

Dr. Mirjana Ivanović

Curriculum Vitae

(December 29, 2020)

Address:

Department of Mathematics and Informatics
Faculty of Sciences
University of Novi Sad

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Narodnog fronta 72/144
21000 Novi Sad
Serbia

Personal Data

- **Date of birth:** December 18, 1960
- **Place of birth:** Vršac, Autonomous Province of Vojvodina, Yugoslavia
- **Sex:** Female
- **Marital status:** Married, two children
- **Citizenship:** Serbia

Languages

- **Mother tongue:** Serbian
- **Active knowledge:** English, Russian
- **Reading knowledge:** All Slavic languages

Fields of Interests in Computer Science

- Multi-Agent Systems, Information Systems
- E-learning, web-based learning
- Data Mining
- Case Based Reasoning
- Programming Languages and Tools
- Object-Oriented Methodology
- Implementation of Functional Programming Languages
- Compiler Construction

Education

University of Novi Sad, Faculty of Science, Novi Sad, Yugoslavia:

- Ph.D. Mathematics, 1992 12.06.1992.
- M.S. Mathematics, 1988 grade point average: 9.80 (10 max.)
- B.S. Computer Science, 1983 grade point average: 9.57 (10 max.)

- Ph.D. thesis was in the field of computer science - object-oriented programming languages and their usage in computer aided instruction systems.

- M.S. thesis was in the field of computer science - syntax analysis.

Professional Experience

- Professor, since 2002
University of Novi Sad, Faculty of Sciences, Novi Sad
- Associate Professor, 1997 - 2002
University of Novi Sad, Faculty of Sciences, Novi Sad
- Assistant Professor, 1993 - 1997
University of Novi Sad, Faculty of Sciences, Novi Sad
- Assistant Lecturer, 1988 - 1993
University of Novi Sad, Faculty of Sciences, Novi Sad
- Systems Engineer, 1986 - 1988
"Novi Sad Cable Works" (production of cables & micro-computers), Novi Sad
- Systems Analyst, 1984 - 1986
"Elektrovojvodina" (distribution of electrical power), Computing Center, Novi Sad

Other Activities

She was member of Scientific council of the Faculty (2001-2006), University Council for informatics (2001-2006, 2009 - now). 2007-2011, she was a member of Advisory Board of the Faculty. From 2007-2010 she was Head of computing laboratory. She was head of Chair of Computer Science 2010-2014.

Membership in professional Organizations

ACM – from 1989

Bulgarian Association of Pattern Recognition (BAPR) – from 2018.

Member of [IEEE SMC Technical Committee on Computational Collective Intelligence](#)

Teaching Experience – Graduate level

Faculty of Science, Novi Sad, University of Novi Sad

PhD level

- Programming Paradigms 2007 - present
- E-business and Modeling 2007 - present
- Selected Topics in Methodology of Teaching Informatics II 2007 - present
- Teaching Programming Methodology 2007 - present
- e-learning and Distance Learning 2007 - present
- Agents and Multi Agent Systems 2007 - present
- Software Validation and Testing 2007 - present
- Systems Development 2007 - present

Master Level

- *Methodological Aspects of Programming*, for Master level 2007 – present
- *Distance Learning*, for Master Level 2008 - present
- *Educational Software*, for Master Level 2005 - present
- *Requirement Engineering*, for Master Level 2007 - present

Faculty of Natural Sciences and Mathematics, Skopje, University of Ss. Cyril and Methodius

- *Requirement Engineering*, for Master students in Software Engineering, 2007 - 2017
- *Information Systems Development Process*, for Master students in Software Engineering 2007-2008.

Shanghai Maritime University, College of Information Engineering, Shanghai, China

- Crashed course in Artificial Intelligence, 26 March till 1st April, 2016, 36 classes
- Crashed course in Artificial Intelligence, 9th till 23rd September, 2017, 36 classes
- Crashed course in Artificial Intelligence, 19th September till 4th October, 2018, 32 classes

Teaching Experience - Undergraduate level

Thought the Courses

Faculty of Science, Novi Sad, University of Novi Sad

- *Methodic in Informatics* 2007 – present
- *Educational Software* 2005 – present
- *Ethical aspects of informatics*, 2005 - present
(for students of computer science - first semesters. Deals with basic principles of ethics, computer influenced ethics, professional ethics,...)
- *Software project management*, 2004 - present
(for students of computer science - Deals with principles of project management in IT domain)
- *Object-oriented programming*, 2004 - present
(for students of computer science)
- *Programming Languages*, 1998 - present
(for students of computer science - third and fourth semesters. Deals with principles of programming languages of procedural, object-oriented, functional, and logical style)
- *Introduction to Programming*, 1997 - present

- (for students of computer science - first and second semesters. Deals with basic programming principles in procedural programming style)
- *Compiler Construction*, 1996 – present
(for students of computer science - seventh and eighth semesters. Deals with principles of compiler construction of procedural and functional programming languages)
 - *Introduction to Programming and Programming Languages*, 1996 - 1997
(for students of computer science - first and second semesters. Deals with basic programming principles in procedural, object-oriented, functional, and logic programming style)
 - *Introduction to Programming*, 1993 - 1996
(for students of computer science - first semester. Deals with basic programming principles and programming language Modula-2)
 - *Programming Languages*, 1993 - 1996
(for students of computer science - second semester. Deals with programming in logic, functional and object-oriented paradigm)
 - *Compilers and Interpreters*, 1993 - 1996
(for students of computer science - seventh and eighth semesters. Deals with principles of compiler and interpreter construction)

Faculty of Technical Sciences, Novi Sad, University of Novi Sad

- *Translators of Programming Languages*, 2001 – 2004.
(for students of computer science - ninth semester)

Faculty of Economics, Subotica, University of Novi Sad

- *Programming Languages*, 1994 - 1995
(for students of computer science - seventh and eight semesters. Deals with advanced programming in programming language C)

Higher Business School, Novi Sad

- *Programming Languages*, 1998 - 1999
(for students of computer science - third and fourth semesters. Deals with object-oriented programming in Java and Object Pascal (Delphi))

Conducted the Exercises for the Courses

Faculty of Science, Novi Sad, University of Novi Sad

- *Compiler Construction*, 1996 - 1999
- *Introduction to Programming*, 1991 - 1996
- *Programming Languages*, 1991 - 1996
- *Compilers and Interpreters*, 1988 - 1993
- *Computers and Programming*, 1988 - 1990
(for students of mathematics - first and second semester)
- *Elementary Algebra*, 1988 - 1989
(for students of mathematics and computer science - second semester)
- *Modeling and Simulation*, 1990 - 1991
(for students of computer science - seventh and eight semester)
- *Introduction to Computer Science*, 1991 - 1993
(for students of geography - fourth semester)
- *Introduction to Computer Science*, 1991 - 1993
(for students of biology - sixth semester)

Faculty of Agriculture, Novi Sad, University of Novi Sad

- *Mathematics*, 1988 - 1991
(for students of agriculture - first semester)
- *Mathematics*, 1988 - 1991
(for students of mechanics and irrigation - first and second semesters)

Publications

Author or co-author of more than 460 research papers (on multi-agent systems, e-learning and web-based learning, intelligent techniques (CBR, data and web mining), implementation of programming languages and tools) and 15 books, Editor of 17 scientific books/proceedings and co-author of 3 monographs.

Enclosed is the list of publications.

Invited Lectures/Papers

22. **Mirjana Ivanovic**, Igor Balaz: Influence of Artificial Intelligence on Personalized Medical Predictions, Interventions and Quality of Life Issues. ICSTCC 2020 - 24th International Conference on System Theory, Control and Computing, ICSTCC 2020, Sinaia, Romania, October 8-10, 2020. IEEE 2020, ISBN 978-1-7281-9809-5: 445-450 (Invited paper)
21. **Mirjana Ivanović**, Social Networks – Current State-of-the-Art and Future Research Challenges, ISIP 2019 - 12th International Symposium on Information Processing, Shanghai, China, 26-27, October 2019, Abstract.
20. **Mirjana Ivanović**, Learning Analytics: problems and future works, International Doctoral Consortium on Informatics and Informatics Engineering Education Research, November 30 - December 5, 2018, Druskininkai, Lithuania, http://ims.mii.lt/ims/renginiai/Consortium/consortium_agenda.htm
19. **Mirjana Ivanović**, Marija Semnic, The Role of Agent Technologies in Personalized Medicine, 5th International Conference on Systems and Informatics (ICSAI 2018), 10-12 November, 2018, Nanjing, China. <http://www.icsai.org.cn/keynotes.aspx>, DOI: [10.1109/ICSAI.2018.8599421](https://doi.org/10.1109/ICSAI.2018.8599421)
18. **Mirjana Ivanović**, Aleksandra Klačnjana Milićević, Big Data and Computational Intelligence, ISIP 2018 - The 2018 International Symposium on Information Processing, 22 - 23, September 2018, Shanghai, China, paper published in International Journal of Embedded Systems. (see Journal papers).
17. **Mirjana Ivanović**, Srđan Ninković, Personalized HealthCare and Agent Technologies, 11th KES International Symposium on Agent and Multi-Agent Systems: Technologies and Applications, Vilamoura, Portugal, 21-23 June, 2017, Springer proceedings, pp. 3-11.
16. **M. Ivanovic**, V. Kurbalija, Time Series Analysis and Possible Applications, MIPRO 2016 - 39th international convention on information and communication technology, electronics and microelectronics, May 30 - June 03, 2016, Opatija, Croatia, pp. 473-479.
15. **Ivanović M.**, Radovanović M., Modern machine learning techniques and their applications, Electronics, Communications and Networks IV – Hussain & Ivanovic (eds), 2015 Taylor & Francis Group, London, ISBN: 978-1-138-02830-2 (Proceedings of CECNet 2014 - The 4th International Conference on Electronics, Communications and Networks Dec.12th-15th,2014 Beijing,China), Invited lecture.
14. **Ivanović, M.**, Agreement Technologies and Multi-agent Environments, ICT Innovations 2014, Advances in Intelligent Systems and Computing Volume 311, Springer, 2015, pp 7-16, Invited paper.
13. **Ivanović, M.** and Budimac, Z., Agreement Technologies - Towards Sophisticated Software Agents, Dosam Hwang, Jason J. Jung, Ngoc Thanh Nguyen (Eds.): Computational Collective Intelligence. Technologies and Applications - 6th International Conference, ICCCI 2014, Seoul, Korea, September 24-26, 2014. Proceedings. Springer 2014 Lecture Notes in Computer Science ISBN 978-3-319-11288-6 pp. 1-10, Invited paper.
12. **Ivanović M.**, Budimac Z., Role of Technologies in Future Formal and Informal Education, InfoKomTeh 2014 , International Conference “The new vision of future technologies”, Ljubljana, Slovenia, 17. April 2014, pp. 84-98. ISBN 978-961-93662-0-2.

11. **Ivanović M.**, Budimac Z., **Software Agents: State-of-the-Art and Possible Applications**, Boris Rachev and Angel Smrikarov (Eds.). 2012. *Proceedings of the 13th International Conference on Computer Systems and Technologies*. ACM, New York, NY, USA. Pp. 11-22.
10. **Mirjana Ivanovic**, Maria Ganzha, Marcin Paprzycki, Costin Badica, “Highlights of WASA - Workshop on Applications of Software Agents”, 5th Joint Working Groups Workshops of the Agreement Technologies Cost Action, Session ”Applications of Agreement Technologies”, Barcelona, July 15th, 2011, Invited presentation.
9. InfoKomTeh 2010, October 27th 2010 in Ljubljana, Tehnološki park, “NEW TRENDS IN EDUCATION - INFLUENCE OF EMERGENT TECHNOLOGIES”, Ivanović M., Budimac Z. Printed in Conference proceedings.
8. Fourteenth East-European Conference on Advances in Databases and Information Systems September 20- 24, 2010, Novi Sad, Serbia, Printed in Conference Proceedings, “**Advances in Databases and Information Systems at University of Novi Sad**”, Ivanović M., Budimac Z., Radovanović M., Škrbić S., Luković I., Milosavljević G.
7. Conference Znalosti 2009, February 4-6, 2009, FIT BUT, Brno, printed in conference proceedings *Applications of Case-Based Reasoning* (co-author with Z. Budimac), pp. 1-12.
6. Second Balkan Conference in Informatics, Ohrid, FYROM, November 17-19, 2005. printed in conference proceedings *Software Engineering Studies - a Step to Virtual University* (co-author with Z. Budimac)
5. I Yugoslav Conference on Teaching Informatics “NARA 2002”, Novi Sad, Yugoslavia, June 2002, printed in conference proceedings, 27-46. *History of the most important programming languages*
4. I Yugoslav Conference on Teaching Informatics “NARA 2002”, Novi Sad, Yugoslavia, June 2002, printed in conference proceedings. *Distance learning - current state of the art and trends* (co-lectured with Putnik, Z.)
3. University "St. Cyril & Methodius", Skopje, Macedonia, December 2001, unpublished *Adaptable Agents - a Step towards Intelligent Agents*
2. Sixth International Colloquium on Numerical Analysis and Computer Science with Applications, Plovdiv, Bulgaria (co-lectured with Budimac, Z. and Szarapka, L.), August 1997, published in *Abstracts of Invited Lectures and Short Communications of VI Int. Colloquium on Numerical Analysis and Computer Science with Applications*, pp. 21, 1997. *Higher Order Functions in Matrix Operations*
1. University "St. Cyril & Methodius", Skopje, Macedonia, September 1993, unpublished, *An Application of a Specialized Language for Information (re)Presentation*

Seminar Lectures and Tutorials

- **Tutorial** in The 17th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT-16), December 16-18, 2016, Guangzhou, China, Mirjana Ivanovic, Tutorial 2 (Meeting Room 3, 3rd floor, December 17th): “**Several intelligent techniques and their applications**”
- Summer School in Computational Intelligence and Information Technologies, Niš, Yugoslavia, October 2005., *Financial Prediction using Case-based Reasoning* (co-lectured with Z. Budimac, V. Kurbalija, D. Simic)
- Summer School in Computational Intelligence and Information Technologies, Niš, Yugoslavia, October 2004., *Modern Educational Tools* (co-lecturer with Z. Budimac, Z. Putnik, LJ. Jerinic, B. Vesin)
- Summer School in Computational Intelligence and Information Technologies, Niš, Yugoslavia, October 7-9 2002., *Case-based Reasoning in Action*.
- Specialized Republic Seminar on Teaching Mathematics and Computer Science, Novi Sad, Yugoslavia, January 2002, published in *Abstracts of Invited Lectures.Active Java*.

- XIV Specialized Republic Seminar on Teaching Mathematics and Computer Science, Belgrade, 2000
Intelligent Agents and Applications, Seminar Abstracts, Ministry of Education, Republic of Serbia, 2000, pp. 26 (in Serbian).
- Spring School on Programming Languages, Institute of Mathematics, Novi Sad, April 1997
Object Based Languages, Lectures of the Spring School, Institute of Mathematics, University of Novi Sad, 1997, pp. 99-114 (in Serbian).
- Mathematical Institute of Serbian Academy of Science, Belgrade, Yugoslavia, November 1994 (co-lectured with Zoran Budimac), ***Implementations of Functional Programming Languages***

Other Lectures

- Beijing Jiaotong University, Beijing, China, 13th December, 2016, “**Several intelligent techniques and their applications**”
- Jishou University, Jishou, Hunan, China, March 22, 2016, “**Agreement Technologies - Towards Sophisticated Software Agents**”
- University of Tsukuba, Graduate School of Business Sciences, Tokyo, Japan, April 24 and May 4, 2014., Invited visit and invited talk: “Some Contemporary Research Activities at University of Novi Sad – An Overview”
- Griffith University, Gold Coast, Australia, July 2013, “**Some Contemporary Research: Framework for Time Series Analysis, Multidimensional Data and Hubness**”
- School of Information Technology, King Mongkut’s University of Technology Thonburi, Bangkok, Thailand, January 2013, “**Some Contemporary Research Activities at University of Novi Sad – An Overview**”
- JiangXi University of Science and Technology, Ganzhou, China, December 2012
Overview of Research and Agent-oriented Methodology at University of Novi Sad
- Universidad Autónoma Metropolitana UNIDAD Cuajimalpa, División de Ciencias de la Comunicación y Diseño, Jefe del Departamento de Tecnologías de la Información, Mexico City, January 2012
Overview of Research at University of Novi Sad
- Masaryk University, Brno, March 2010
Technology Enhanced Learning
- Humboldt University, Berlin, November, 2003
Two Faces of Agents: intelligent and mobile
- University of Turku, Turku, Finland, October, 2002
On agent-oriented research at the University of Novi Sad
- Hamburg University, Group for Distributed Systems, Hamburg, Germany, November, 2000
Agent-Related Research Topics
- University "P. Hilendarski", Plovdiv, Bulgaria, November, 1990
On Development of an Authoring Language
- Institute of Mathematics of Czechoslovak Academy of Sciences, Prague, ČSFR, March, 1990
Knowledge Representation in Education

Research Contracts/Projects

Principal Investigator

- Humanmachine Harmony Emotional Intelligence Based on the Imitative Brain, Bilateral project PR China and Republic of Serbia, University of Novi Sad, Faculty of Sciences, Principal investigator prof. Mirjana Ivanovic, Fudan University, Department of Information Management and Information Systems, Shanghai, prof Weihui DAI, 2018-2019.
- COST Action CA15109, COSTNET “European Cooperation for Statistics of Network Data Science, Mirjana Ivanovic is Representative of Serbia, Chair of the Action: Ernst Wit, University of Groningen, Netherland.

- Bilateral project, University of Novi Sad, Faculty of Sciences, Dept. of Mathematics and Informatics (Novi Sad) and University of Ljubljana, Faculty of Computer and Information Science, “Intelligent computer techniques for improving medical detection, analysis and explanation of human cognition and behavior disorders”, 2016-2017.
- Institutional partnerships (SCOPEs), Project no. 160480; Innovative teaching curricula, methods and infrastructures for computer science and software engineering; Principal Investigator dr. Cesare Pautasso, Facoltà di scienze informatiche, Università della Svizzera italiana, Lugano, Switzerland; Principal investigator from Serbia, prof. Mirjana Ivanovic, Faculty of Sciences, University of Novi Sad, duration 2015-2018.
- ICT COST Action IC1307 - The European Network on Integrating Vision and Language (iV&L Net): Combining Computer Vision and Language Processing For Advanced Search, Retrieval, Annotation and Description of Visual Data, 2014-2018, Representative of Serbia, Chair of the Action: Dr. Anja Belz, University of Brighton, UK.
- ICT COST Action IC1205 *Computational Social Choice* , 30.11.2012-29.11.2016., Representative of Serbia, Chair of the Action: Dr Ulle ENDRISS (NL)
- *COST Action IS1004 WEBDATANET*: web-based data-collection - methodological challenges, solutions and implementations. 16.06.2011-15.06.2015, Representative of Serbia, Chair of the Action: Dr Pablo DE PEDRAZA (ES)
- Bilateral project, Dept. of Mathematics and Informatics (Novi Sad) and Fudna University, Shanghai, China, “Emotional Intelligence and Applications Based on Multi-Agent Systems”, July 2013-July 2015.
- Thematic network project: “Future Education and Training in Computing: How to support learning at anytime anywhere”, Project under LIFELONG LEARNING PROGRAMME, Subprogram ERASMUS, Principal institution Angel Kanchev University of Ruse, Ruse, Bulgaria. Dept. of Mathematics and Informatics (Novi Sad) is one of members of project consortia. 01.10.2013. - 30.09.2016.
- *Adaptive Personalization of Learning Environments*, 2012 – 2013, Joint project of Dept. of Mathematics and Informatics (Novi Sad) and *Faculty of Electrical Engineering and Informatics Technical University of Košice* (Košice, Slovakia).
- Agreement of Multilateral Cooperation “*Framework of application of software engineering techniques in software quality monitoring and improvement*”, University of Novi Sad, Faculty of Sciences, Department of Mathematics and Informatics, University of Maribor, Slovenia; Eötvös Loránd University, Budapest, Hungary; Tampere University of Technology, Pori, Finland 2012.
- *Intelligent Techniques for Data Integration and Decision Support in the Medical Domain*, University of Novi Sad, Faculty of Sciences, Department of Mathematics and Informatics and Humboldt University Berlin, Institute for Informatics, Artificial Intelligence Workgroup, 2011-2012, DAAD Bilateral Project
- Agreement of Multilateral Cooperation “*Technology Enhanced Learning and Software Engineering*” , University of Novi Sad, Faculty of Sciences, Masaryk University, Faculty of Informatics, University of Macedonia, Department of Technology Management, 2011-2014.;
- Agreement of Multilateral Cooperation “*Agents, semantic data processing and applications*” , University of Novi Sad, Faculty of Sciences, University of Craiova, Faculty of Automation, Systems Research Institute, Polish Academy of Sciences, University of Gdansk, 2010-2014.
- *Correlating Images and Words: Enhancing Image Analysis through Machine Learning and Semantic Technologies*, 2010 – 2012, Joint project of Dept. of Mathematics and Informatics (Novi Sad) and Institute "Jožef Štefan" (Ljubljana, Slovenia), project no. 29
- COST Action IC0801 “Agreement Technology”, Member of Management Committee – representative of Serbia, 2008-1012.

- *Joint Master Studies in Software Engineering*, CEI University Network Joint Programme, Bilateral project, University of Novi Sad, Novi Sad, Serbia, University Ss. Cyril and Methodius, Skopje, Macedonia, 2008-2009.
- *eLearning support system with application of data mining and data security*, Bilateral project with University of Maribor, Faculty of Electrical Engineering and Computer Science, Slovenia, 2008-2009.
- *Bridging the digital divide in South Eastern Europe*, Austrian Science and Research Liaison Offices, Ljubljana and Sofia , c/o Zentrum für Soziale Innovation (Project coordinator: Sofia University), 2007-2008.
- *Using artificial intelligence in Text and Web Mining*, 2005-2006, Supported by Ministry of Science and Technologies (Republic of Serbia) as Bilateral project with Slovenia.
- *Development of courses for "Educational software I" and "Educational software II"*, 2003 - 2004., Supported by World University Service - Austria.

Researcher

- Bilateral project within University of Novi Sad, Faculty of Sciences (principal investigator Miloš Savić) and Faculty of Information Studies, University of Novo Mesto, Slovenia (principal investigator Borut Lužar) "Advanced methods for complex network analysis with applications in decision support systems", Number 53, 2018-2019
- Bilateral project within University of Novi Sad, Faculty of Sciences (principal investigator Milan Vidaković) and University of Maribor, Faculty of Electrical Engineering and Computer Science, Slovenia, "Security in multi agent systems", Number 44, 2016-2017.
- "Emotional Intelligence of Human-Computer Fusion Based on Social Neuroscience Mechanism" supported by International Cooperative Program, Shanghai Municipal Science and Technology Commission, China (No. 16550720500), Period 2017-2019.
- Enhancing E-Learning with Advanced Human Computer Interaction Facilities, Principal Investigator from Italia: dr Marco Porta, Dipartimento di Ingegneria Industriale e dell'Informazione, Università di Pavia, Principal investigator from Serbia: dr Aleksandra Klačnja-Milićević, Faculty of Sciences, University of Novi Sad , Bilateral project: 2016 - 2018.
- Culture-Sensitive Aspects in Data Technologies, 2015, Joint project of Dept. of Mathematics and Informatics (Novi Sad) and Faculty of Electronics, Computing and Informatics (Maribor, Slovenia)
- *Software Engineering: Computer Science Education and Research Cooperation*, 2008-2015, joint project of the Institute of Mathematics (Novi Sad, Yugoslavia), Institute of Informatics (Berlin, Germany), Institute of Informatics (Skopje, Macedonia), and Institute of Computer Science (Plovdiv, Bulgaria), supported by DAAD and Stability Pact for South Eastern Europe; researcher
- Intelligent techniques and their integration into wide-spectrum decision support (OI174023), Supported by Ministry of Science, Technologies, and Development (Republic of Serbia), project no. 174023, 2011-2014
- Infrastructure for technology enhanced learning in Serbia (III47003), Supported by Ministry of Science, Technologies, and Development (Republic of Serbia), project no. III47003, 2011-2014
- Towards a better software metrics tool, 2010-2012, Joint project of Dept. of Mathematics and Informatics (Novi Sad) and Faculty of Electronics, Computing and Informatics (Maribor, Slovenia), project no. 27
- CEEPUS II Network "International cooperation in Computer Science", in cooperation with: Eötvös Loránd University, Budapest; Johannes Kepler University Linz; Klagenfurt University; Paisii Hilendarski University of Plovdiv; University of Szeged; Babeş-Bolyai University Cluj-Napoca; Constantine the Philosopher University in Nitra; Technical University of Košice; Polytechnical Engineering College, Subotica. 2006-2013

- SM_SCM-C024B06-2006 (RS), Network education at Faculties of Science in Serbia (NEFS), Supported by EUROPEAN COMMISSION – TEMPUS, University of Matej Bel, Banská Bystrica (SK), University of Novi Sad, Novi Sad (RS), Lappeenranta University of Technology, Lappeenranta (FI), Universidad de Oviedo, Gijón (ES), University Kragujevac, University of Belgrade, University of Nis.
- *Abstract Mathematical Models and Applications in Computer Science*, 2006-2010, Supported by Ministry of Science and Technologies (Republic of Serbia), project no. 144017; researcher
- *Joint M.Sc. Curriculum in Software Engineering*, CD-JEP-18035-2003., 2004 – 2008, Supported by EUROPEAN COMMISSION - TEMPUS, Consortium members: Humboldt University Berlin, Germany, University of Deusto, Bilbao, Spain, De Montfort University, Leicester, UK
- *Web-based course-supporting and e-learning system for courses in informatics*, , 2006 - 2007. Supported by World University Service - Austria.
- *Development of courses for “Software Project Management”*, 2006 - 2007. Supported by World University Service - Austria.
- *Development of courses for “Methodic of Informatics I” and “Methodic of Informatics II”*, 2003 - 2004. Supported by World Univeristy Service - Austria.
- *Development of (intelligent) techniques based on software agents for application in information retrieval and workflow*, 2002 – 2005, Supported by Ministry of Science and Technologies (Republic of Serbia), project no. 1844; researcher
- *Reverse Engineering and Cooperative Distributed Software Development*, 2000 – 2007; joint project of the Institute of Mathematics (Novi Sad, Yugoslavia), Institute of Informatics (Berlin, Germany), Institute of Informatics (Skopje, Macedonia), and Institute of Computer Science (Plovdiv, Bulgaria), supported by DAAD and Stability Pact for South Eastern Europe; researcher
- *Software agents in Web services and in the Semantic Web*, 2005 – 2007, joint project of the Institute of Mathematics (Novi Sad, Yugoslavia) and Institute of Computer Science (Warsaw, Poland) supported by Polish Academy of Science and Serbian Academy of Sciences and Arts; researcher
- *Multi-Agent Systems and Agent-Oriented Programming*, 1998 – 2001, joint project of the Institute of Mathematics (Novi Sad, Yugoslavia) and Institute of Computer Science (Warsaw, Poland) supported by Polish Academy of Science and Serbian Academy of Sciences and Arts; researcher
- *Distributed Infra-Structure for Workflow*, April 1998 - April 1999, supported by Republic of Serbia, Ministry of Science and "Energsoft" (the company specialized in producing applicative software); researcher
- *Mathematical Structures with Applications*, 1996 - 2000, supported by Science Fund of Serbia; researcher
- *The Development of Specialized User-Oriented Programming Language for Event Driven Programming*, March 1996 - March 1997, supported by Republic of Serbia, Ministry of Science and "Energsoft" (the company specialized in producing applicative software); researcher
- *Computing and Artificial Intelligence*, 1993 - 1995, supported by Science Fund of Serbia; researcher
- *Mathematical Structures with Applications*, 1991 - 1995, supported by Science Fund of Serbia; researcher
- *Artificial Intelligence*, 1989 - 1993, supported by Science Fund of Yugoslavia; researcher
- *Computers and Education*, 1988 - 1990, supported by Science Fund of AP Vojvodina and Science Fund of Serbia, researcher

- *Artificial Intelligence*, 1986 - 1991, supported by Science Fund of AP Vojvodina; researcher

Editorship

- ComSIS, an international journal, Belgrade, Serbia.
- member of editorial council.
- ComSIS, an international journal, Belgrade, Serbia.
- Vice-Editor-in-Chief 2008-2009 (May)
- ComSIS, an international journal, Belgrade, Serbia.
- Editor-in-Chief 2009 (June)-present
- IDT JOURNAL - <http://content.iospress.com/journals/intelligent-decision-technologies>, IOSPRESS
- Associated Editor 2014, August –
- Member of Editorial Board of The Annals of Craiova University, Automation, Computers, Electronics, Mechatronics Journal, <http://ace.ucv.ro/analele/index.html>, 2015 - present,
- Member of Editorial Board of INFORMATICS IN EDUCATION, 2016 – present, http://www.mii.lt/informatics_in_education/editors.htm
- KES Journal, International Journal of Knowledge-Based and Intelligent Engineering Systems, IOS Press, <http://www.kesinternational.org/journal/>,
- Associated Editor 2017, July –
- Journal of Information and Telecommunication, Taylor and Francis, <http://tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=tjit20>
- Member of Editorial Board 2018-
- Transactions of Scalable Information Systems (<http://eudl.eu/issue/sis/5/16>), [European Alliance for Innovation](#) (EAI) Publishing,
- Member of Editorial Board 2018-2020
- Selcuk University Journal of Engineering, Science and Technology, <http://journalseek.net/cgi-bin/journalseek/journalsearch.cgi?field=issn&query=2147-9364>, 2019-
- **IET Frontier Computing** published by The IET (<https://www.theiet.org>), Associate Editor, 2020-
- Scientific Journal “System Theory, Control and Computing Journal” starting from this year 2020. <http://stccj.ucv.ro>, Associate Editor, 2020-.

Events Organized

General/Program/Workshop Chair of Conferences

- IDT 21 - Intelligent Decisions Technologies - 13th International KES Conference, 14-16 June 2021 at the Barceló Aran Mantegna, Rome, Italy.
- AMSTA 21 - 15th KES International Conference on Agents and Multi-Agent Systems; Technologies and Applications 2021, 14-16 June 2021 at the Barceló Aran Mantegna, Rome, Italy.
- INISTA 2020 - International Conference on INnovations in Intelligent SysTems and Applications, August 24-26, 2020, Novi Sad, Serbia
- IDC 2020 - The 14th International Symposium on Intelligent Distributed Computing, September 21-23, 2019 in Scilla (Reggio Calabria), Italy, <http://www.idc2020.unirc.it/>, PC Co-Chir. – Canceled, COVID-19
- MIKE'2020 - International Conference on Mining Intelligence & Knowledge Exploration, Thessaloniki, Greece, 9-11 of November 2020, <https://mike2020.sigappfr.org/>, Workshops chair - . – Canceled, COVID-19
- International Conference **Computational Methods in Continuum Mechanics** 2020, Moscow Institute of Physics and Technology and the Institute for Computer Aided Design of Russian Academy of Sciences, 15 – 17 April, 2020., member of International Advisory Board and Review Board, <https://cmcm2020.mipt.ru/>
- 10th International Conference on Web Intelligence, Mining & Semantics (WIMS), 30 JUNE – 3 JULY, 2020, Biarritz, France, <https://wims2020.sigappfr.org/>, Workshop Chair, Special Issues

- ADBIS 2019 - 23rd European Conference on Advances in Databases and Information Systems, Bled, Slovenia, September 8-11, 2019, Workshops Co-Chair, <https://adbis2019.um.si/>
- THE 20TH INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED COMPUTING, APPLICATIONS AND TECHNOLOGIES, 5-7 december 2019, Gold Coast, Australia, Program Co-Chair, <http://www.pdcat.org/committee.html>
- IDC 2019: 13th International Symposium on Intelligent Distributed Computing, St. Petersburg, Russia, October 7-9, 2019, <https://www.idc2019.ru>
- WASA 2019 - 9th Workshop on Applications of Software Agents, <https://perun.pmf.uns.ac.rs/events/wasa2019/index.html>, Sofia, Bulgaria, July 3-5, 2019, in conjunction with IEEE INISTA 2019 - International Symposium on INnovations in Intelligent SysTems and Applications, <http://inista.org/>
- WIMS 2018 - 8th International Conference on Web Intelligence, Mining and Semantics, June 25–27, 2018 Novi Sad, Serbia, General Chair
- WASA 2018 - Workshop on Applications of Software Agents, held in conjunction with the WIMS 2018.
- WoTEL 2017 - Workshop on TEL - Technology Enhanced Learning, Skoplje, FYR of Macedonia, September 21-13, 2017, held in conjunction with the 8th Balkan Conference in Informatics - BCI 2017
- 11th International KES Conference on AGENTS AND MULTI-AGENT SYSTEMS: TECHNOLOGIES AND APPLICATIONS -KES-AMSTA-17, Vilamoura, Algarve, Portugal, 21-23 June 2017, IS06: LP:ABA - Learning Paradigms and Applications: Agent-based Approach
- Third IEEE International Workshop on Trust and Security in Wireless Sensor Networks (TrustWSN 2017), within The 16th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-17) Sydney, Australia, August 1 - 4, 2017 (Co-Chair with: Chin-Chen Chang, Feng Chia University, Taichung, Taiwan; Muhammad Khurram Khan, King Saud University, Riyadh, Kingdom of Saudi Arabia; Mirjana Ivanovic, University of Novi Sad, Novi Sad, Serbia; Degang Sun, Chinese Academy of Sciences, China; Weizhe Zhang, Harbin Institute and Technology, China; Lorena Gonzalez-Manzano, Universidad Carlos III de Madrid, Madrid, Spain; Jose Maria de Fuentes, Universidad Carlos III de Madrid, Madrid, Spain)
- WASA 2017 - Workshop on Applications of Software Agents, held in conjunction with the IDC 2017.
- IDC 2017 - 11th International Symposium on Intelligent Distributed Computing, 11 – 13 October 2017, Belgrade, Serbia, General Chair
- 7th International Conference on Model and Data Engineering (MEDI - 2017), October 4-6, 2017, Barcelona, Spain, www.essi.upc.edu/dtim/medi2017, Programme Co-Chair
- WASA 2016 - Workshop on Applications of Software Agents, held in conjunction with the ICCCI 2016 - 8th International Conference on Computational Collective Intelligence Technologies and Applications, Halkidiki, Greece, September 28-30, 2016, <http://perun.pmf.uns.ac.rs/events/wasa2016/>
- CAiSE Forum 2016, part of CAiSE 2016 – 28th International Conference on Advanced Information Systems Engineering, 13-17 June 2016, Ljubljana, Slovenia, <http://caise2016.si/call-for-papers/caise-forum-2/>, Co-Chair
- ADBIS 2016, 20th East-European Conference on Advances in Databases and Information Systems, August 28 - 31, 2016, Lindner Hotel Prague Castle, Prague, Czech Republic, PC CO-Chair
- WASA 2015 - Workshop on Applications of Software Agents, within The 7th Balkan Conference in Informatics BCI 2015, September 2-4, Craiova, Romania
- WoTEL 2015 - Workshop on TEL - Technology Enhanced Learning, Craiova, Romania, September 2-4, 2015, held in conjunction with the 7th Balkan Conference in Informatics - BCI 2015
- The 1st IEEE International Workshop on Trust and Security in Wireless Sensor Networks held in conjunction with IEEE TrustCom-15, August 20-22, 2015, Helsinki, Finland, <https://research.comnet.aalto.fi/Trustcom2015/trustwsn2015/>
- WASA 2014 - Workshop on Applications of Software Agents, within 4th International Conference on Web Intelligence, Mining and Semantics, WIMS 2014, June 2-4, 2014, Thessaloniki, Greece,
- ADBIS 2014, 18th East-European Conference on Advances in Databases and Information Systems, Ohrid, FYR Macedonia, September 7–10, 2014, PhD Co-Chairs.
- WASA 2013 - 3rd Workshop on Applications of Software Agents, Sinaia, Romania, October 11-13, 2013, Held in conjunction with 17th International Conference on System Theory, Control and Computing, [ICSTCC-2013](http://icstcc-2013.ro)
- WASA 2012 - Workshop on Applications of Software Agents, 18-20 September 2012, Novi Sad, Serbia
- BCI 2012 - 5th Balkan Conference in Informatics, Novi Sad, Serbia, 16-20 September 2012 <http://perun.dmi.rs/bci2012>, General Chair
- Workshop iCompute: Intelligent Computing for Human and Social Behavior Analysis and Collaboration, within International Conference on Web Intelligence, Mining and Semantics (WIMS'12), June 13-15, 2012, Craiova, Romania, <http://software.ucv.ro/Wims12/workshops.html> (co-chair with, David Camacho and Costin Badica)

- WASA 2011 - Workshop on Applications of Software Agents, July 3-5, 2011, Novi Sad, Serbia, <http://ceur-ws.org/Vol-752>, PC Co-Chair
- Fourteenth East-European Conference on Advances in Databases and Information Systems September 20 - 24, 2010, Novi Sad, Serbia, General Chair

Steering Committee Member

- ADBIS - European Conference on Advances in Databases and Information Systems
- BCI - Balkan Conference in Informatics
- IDC - International Symposium on Intelligent Distributed Computing
- INISTA - International Conference on Innovations in Intelligent SysTems and Applications

Chair of Organizing Committee

- BCI 2012 - 5th Balkan Conference in Informatics, Novi Sad, Serbia, 16-20 September 2012
<http://perun.dmi.rs/bci2012>
- *Symposium in Computer Languages, Implementations, and Tools (SCLIT 2012)*, organized within *International Conference on Numerical Analysis and Applied Mathematics, ICNAAM 2012*, Kos, Greece, September 20-26, 2012. Co-chair with Zoran Budimac and Gordana Rakić
- WASA 2012 - Workshop on Applications of Software Agents, 18-20 September 2012, Novi Sad, Serbia
- *Symposium in Computer Languages, Implementations, and Tools (SCLIT 2011)*, organized within *International Conference on Numerical Analysis and Applied Mathematics, ICNAAM 2011*, Halkidiki, Greece, September 19-25, 2011. Co-chair with Zoran Budimac and Gordana Rakić.
- 15th International Conference on System Theory, Control and Computing: ICSTCC-2011, Special Session on Software Technologies for Intelligent Collaborative Systems: STIX, October 14-16, Sinaia, Romania
- WASA 2011 - Workshop on Applications of Software Agents, July 3-5, 2011, Novi Sad, Serbia
- Workshop of “*Software Engineering: Computer Science Education and Research Cooperation*”, DAAD project, Ivanjica, Serbia, September 2010 (together with Zoran Budimac).
- Workshop of “*Software Engineering: Computer Science Education and Research Cooperation*”, DAAD project, Risan, Montenegro, September 2007 (together with Zoran Budimac).
- *Second National Conference on Teaching Informatics (NARA 2003)*, Novi Sad, 2003.
- *First Yugoslav Conference on Teaching Informatics (NARA 2002)*, Novi Sad, June 6-7, 2002.
- *Third International Conference on Theoretical Aspects of Computer Science "TARA 2000"*, Novi Sad, September 6-7, 2000.
- *Spring School on Programming Languages*, Novi Sad, April 22-24, 1997, Co-Chair (with Zoran Budimac).

Secretary of Organizing Committee

- *Eighth International Conference on Logic and Computer Science "LIRA '97"*, Novi Sad, September 1-4, 1997.
- *Yugoslav Competition in Informatics*, Novi Sad, April 18-19, 1997, Member of Organizing Committee.
- *Seventh Yugoslav Conference on Logic and Computer Science "LIRA '95" with International Participation*, Novi Sad, September 26.-30. 1995.
- *Sixth Yugoslav Conference on Logic and Computer Science "LIRA '92"*, Novi Sad, October 29-31 1992.

Specializations and Short-Term Scholarships

- School of Information and Communication Technology, Faculty of Science, Environment, Engineering and Technology, Griffith University QLD 4222, Australia, November 2019-January 2020, visiting researcher
- Shanghai Maritime University, College of Information Engineering, Shanghai, September 19th till 4th October, 2018, Invited lecturer, crash course in Artificial Intelligence.
- Shanghai Maritime University, College of Information Engineering, Shanghai, September 9th till 23rd September, 2017, Invited lecturer, crash course in Artificial Intelligence.
- Shanghai Maritime University, College of Information Engineering, Shanghai, March 26th till April 1st, 2016, Invited visit.
- Jishou University, Jishou, Hunan, China, March 20-25, 2016, Invited visit.

- Prince of Songkla University, University in Hat Yai, Thailand, December 2015, 3 weeks, Invited visit.
- University of Tsukuba, Graduate School of Business Sciences, Tokyo, Japan, April 24 and May 4, 2014., Invited visit and invited talk: “Some Contemporary Research Activities at University of Novi Sad – An Overview”
- Strategic one-day Experts Group, HoTEL – Holistic approach to Technology Enhanced Learning, FP 7 project, London, on the 14th of March 2014, Invitation from Brunel University to participate as a key technology expert.
- School of Information and Communication Technology, Faculty of Science, Environment, Engineering and Technology, Griffith University QLD 4222, Australia, June-July 2013, visiting professor
- School of Information Technology, King Mongkut’s University of Technology Thonburi, Bangkok, Thailand, January 2013, 10 days, Invited visit and invited talk: “Some Contemporary Research Activities at University of Novi Sad – An Overview”
- Short Term Scientific Mission, COST Action IC0801, Systems Research Institute of the Polish Academy of Sciences, Warsaw (Poland), 17-30 Jun, 2012.
- Universidad Autónoma Metropolitana UNIDAD Cuajimalpa, División de Ciencias de la Comunicación y Diseño, Jefe del Departamento de Tecnologías de la Información, Mexico City, January 2012
- Humboldt University, Berlin, Germany, 2006-2015, more than 15 short visits.
- Jaingxi University of Science and Technology, Ganzhou, China, December 2011, 1 week, Invited visit and invited talk: M. Ivanović „Agent-Oriented Technology“
- Masaryk University, Brno, Czech Republic, March 2010, Visiting professor, 1 month.
- Technical University of Košice, Slovakia, Februar 2008.
- University Mateja Bela, Banska Bystrica, Slovakia, January 2008.
- Universidad de Nuovo, Lisbon. Portugal, 2006, 2 weeks
- Several short visits (Humboldt University, Berlin; University of Deusto, Spain; DeMonfort University, Leicester) 2004-2007, TEMPUS project
- Politehnica University Timisoara and Babes-Bolyai University, Cluj-Napoca, Romania; August-September, 2005.
- Jochan Kepler University, Linz, Austria CEEPUS I, 2005, 2 weeks.
- Humboldt University, Berlin, Germany, 2003, two months.
- University of Turku, Turku, Finland, 2002, two weeks.
- University of Klagenfurt, Institute of Computer Science, Klagenfurt, Austria, 2001, one month.
- University of Hamburg, Group for Distributed Systems, Hamburg, Germany, 2000, two months.
- ACM & University of Prague, Summer School on Software engineering, Prague, Czech republic, September 1998, one week.
- ACM & University of Wroclaw, Summer School on Functional and Object-Oriented Programming Languages, Sobótka, Poland, September 1996, one week.
- Institute of Mathematics of Czechoslovak Academy of Sciences, Prague, ČSFR, 1990, 3 months, *Methods of Knowledge Representation*
- University P. Hilendarski, Department of Computer Science, Plovdiv, Bulgaria, 1990, 1 week, *Computer Aided Instruction Software*

Supervisions

- Supervisor of 11 Ph.D. thesis
- Member of the committees of 14 Ph.D. thesis (7 abroad)

- Supervisor of 8 MSc theses
- Member of the committee of 14 MSc theses

- Supervisor of more than 170 diploma and Master theses
- Member of the committees of more than 70 diploma and Master theses

Miscellaneous

External examiner for PhD theses

1. Ms Prapassara Pupunwiwat, Tag Anti-Collision Resolution for Improved Quality of RFID Data Streams, Griffith University, Griffith University, 170 Kessels Road, Nathan QLD 4111, Australia, October 2011
2. Mr Peter Darcy, Resolving RFID Anomalies using Intelligent Analysis and Classification, Griffith University, 170 Kessels Road, Nathan QLD 4111, Australia, November 2011
3. VANGEL V. AJANOVSKI, ADAPTIVE AND SOCIAL SELFSTRUCTURING NAVIGATION SYSTEMS IN PUBLIC INFORMATION SYSTEMS, Faculty of Computer Science and Engineering, "So Cyril and Methodius" University, FYR Macedonia, June 2013.
4. Magdalena Kostoska: Software as a Service Cloud Interoperability, Faculty of Computer Science and Engineering, "So Cyril and Methodius" University, FYR Macedonia, September 2014.
5. Velimir Graorkoski, Advanced adaptive learning, FYR Macedonia, December 2016. Supervisor: Prof. dr Ana Madevska-Bogdanova
6. MSc Aleksandar Bahtovski, Application of cloudlets and fog computing, FYR Macedonia, November 2017, Supervisor: Prof. dr Marjan Gušev
7. Adam Kučera, Semantic BMS: Semantics-Driven Middleware Layer for Building Operation Analysis in Large-Scale Environments, Faculty of Informatics, Masaryk University, Brno, Czech Republic, April 2018, Supervisor: Prof. dr Tomas Pitner
8. Ing. Martin Filipický, Ph.D. thesis entitled „Identification of Potentially Reusable Subroutines in Suboptimally Structured Automated Test Scripts“, 15.04.2019 od 11.00 hod. v místnosti č. KN:E-205 Fakulty elektrotechnické ČVUT v Praze, Karlovo náměstí 13, Praha 2.
9. DAINA GUDONIENĖ, “Integrated E-Learning Objects Design Model and Implementation into Educational Platform”, Vilnius University, Universiteto g. 3, LT-01513 Vilnius, Lithuania, July 2019.
10. GABRIELĖ STUPURIENĖ, “Concept-Driven Informatics Education: Extension of Computational Thinking Tasks and Educational Platform for Primary School”, Vilnius University, Universiteto g. 3, LT-01513 Vilnius, Lithuania, July 2019.
11. SINA TORABI, Fuel-efficient driving strategies, Department of Mechanics and Maritime Sciences CHALMERS UNIVERSITY OF TECHNOLOGY, Göteborg, Sweden 2020

She is an Expert and Project Reviewer for the EU Commission since 2015 (H2020 projects several calls, Marie Skłodowska-Curie Individual Fellowships, KA1 Joint Master Degrees – ERASMUS+).

Expert for evaluation projects of Slovenian Research Agency from 2015.

Evaluator of COST Action projects from 2014.

Reviewer for

- ACM Computing Reviews, since 1993.
- International Multi-Conference on Engineering and Technological Innovation: IMETI 2008, June 29th - July 2nd, 2008 – Orlando, Florida, USA.
- Peter Gursky, Rene Pazman, Peter Vojtas, ON SUPPORTING WIDE RANGE OF ATTRIBUTE TYPES FOR TOP-K SEARCH, COMPUTING AND INFORMATICS, SLOVAK ACADEMY OF SCIENCES, May 2008.
- Computer Applications in Engineering Education: Omerović S., Milutinović V., Tomažić S.: A Successful Method for Writing and Presenting Scientific tutorial/Overview Papers, December 2008.
- Information Sciences Journal, Elsevier Publisher: Jose Neves, Antonio Abelha, Cesar Analide, Jose Machado, Evolutionary Intelligence and Quality-of-Service in Healthcare, December 2008.
- Information Sciences Journal, Elsevier Publisher: Ales Wojnar, Irena Mlynkova and Jiri Dokulil, Structural and Semantic Aspects of Similarity of DTDs and XSDs, January 2009.
- Acta Electrotechnica et Informatica, Faculty of Electrical Engineering and Informatics, Technical University Kosice, Paper: “COMPUTATION MODEL FOR REAL-TIME CONTROL SYSTEMS DEVELOPMENT”, Doina ZMARANDA, Gianina GABOR, July 2009.
- Journal of Web Semantics, Paper: Automatic Metadata Extraction from Multilingual Enterprise Content to Enable Personalized Information Retrieval

- Manuscript ID EISEJ-2011-0006, "From Principles to Details: Integrated Framework for Architecture Modelling of Large Scale Software Systems" for e-Informatica Software Engineering Journal.
- Manuscript TKDE-2011-05-0269.R1: Supporting flexible, efficient and user-interpretable retrieval of similar time series, Transactions on Knowledge and Data Engineering
- Manuscript: 11-249 (v1) Global and Local Scaling Reduce Hubs in Space, by Dominik Schnitzer Arthur Flexer, Markus Schedl, Gerhard Widmer, Journal of Machine Learning Research, December 2011.
- Manuscript: "Measuring the Stability of Software Systems via Simulation in Dependency Networks", Information Technology And Control Journal, Lithuania, February 2012.
- Manuscript: "AGENT-BASED MODELLING OF E-TEACHING / LEARNING ENVIRONMENT" by RUMEN ANDREEV, VALENTINA TERZIEVA, PETIA KADEMOVA-KATZAROVA, "Scalable Computing: Practice and Experience" journal (<http://www.scpe.org>)
- Pervasive and Mobile Computing Journal, paper: PMC-D-12-00184.
- AI Communications Journal, Manuscript 13-193- "Integrating Argumentation and Sentiment Analysis for Mining Opinions from Twitter."
- Interactive Learning Environments, Manuscript ID NILE-2013-0085, June 2013. <http://www.tandfonline.com/action/aboutThisJournal?journalCode=nile20#.Uco7N9hkmIA>
- Journal of Information Technology and Application in Education (JITAE), www.jitae.org, paper JITAE10119: "Optimized Bayesian Network in Extraction Learners' Characteristics in E-Learning", Nafiseh Saberi, Gholam Ali Montazer.
- ACM Computing Reviews for Book: [Manouselis N.](#), [Drachler H.](#), [Verbert K.](#), [Santos O.](#), Recommender systems for technology enhanced learning : research trends and applications Springer Publishing Company, Incorporated, New York, NY, 2014. 306 pp. Type: Book (978-1-493905-29-4).
- Interactive Learning Environments, Manuscript ID NILE-2014-0199, Supporting Online Teaching Laboratories through Semantic Services, December 2014.
- ACM Computing Reviews for Book: "Social collective intelligence: Combining the Powers of Humans and Machines to Build a Smarter Society" Miorandi D., Maltese V., Rovatsos M., Nijholt A., Stewart J. Springer Publishing Company, Incorporated, 2014, http://www.computingreviews.com/review/review_review.cfm?review_id=143177.
- ACM Computing Reviews for Book: Green in software engineering [Calero C.](#), [Piattini M.](#), Springer Publishing Company, Incorporated, New York, NY, 2015. 327 pp. Type: Book (978-3-319085-80-7), http://www.computingreviews.com/review/review_review.cfm?review_id=143742&CFID=10393165&CF_TOKEN=66024717,
- International Journal of Information Technology & Decision Making, <http://www.editorialmanager.com/ijitdm/default.aspx>, Manuscript Number: IJITDM-D-15-00099, FUSE: A fuzzy-semantic framework of personalizing learning-recommendations
- Information Sciences Journal, Manuscript Number: INS-D-15-2409, A Hierarchical Similarity Measure for Time Series Analysis Based on Multi-scale Extrema, November 2015.
- ACM Computing Reviews for Book: Agile software development teams, [Schmidt C.](#), Springer International Publishing, New York, NY, 2015. 184 pp. Type: Book (978-3-319260-55-6), http://www.computingreviews.com/review/review_review.cfm?review_id=144471, June 2016
- INFORMATICS IN EDUCATION, June 2016, http://www.mii.lt/informatics_in_education/editors.htm
- ACM Computing Reviews for Book: "Hybrid approaches to machine translation (1st ed.)" Costa-juss M., Rapp R., Lambert P., Eberle K., Banchs R., Babych B. Springer Publishing Company, Incorporated, 2016.
- ACM Computing Reviews for Book: Hybrid approaches to machine translation, [Costa-jussà M.](#), [Rapp R.](#), [Lambert P.](#), [Eberle K.](#), [Banchs R.](#), [Babych B.](#), Springer International Publishing, New York, NY, 2016. 205 pp. Type: Book (978-3-319213-10-1) Date Reviewed: Jan 27 2017, http://www.computingreviews.com/review/review_review.cfm?review_id=145033&CFID=17781096&CF_TOKEN=88082090
- DATAK_2017_164, Journal: Data & Knowledge Engineering, Title: ON-SMMILE: Ontology Network-based Student Model for Multiple Learning Environments
- Journal of Intelligent & Fuzzy Systems, Applications in Engineering and Technology, IOS Press, Special Issue, ISSN print 1064-1246, March 2019.

Referee for

- international conferences (DEXA 2007; IDC 2007- Romania, Baltic DB&IS 2006, Lithuania; Int. Conf. on Information System Development 2004-2007; ISM 2001-2007, Int. Conf. on Information System Modeling, Brno, Czech Republic; ADBIS 2005, Estonia; 1st, 2nd and 3rd *Balkan Conference in Informatics*(see next section); 1st, 2nd and 3rd *South-East European Workshop on Formal Methods (SEEFM)*;TARA 2000, Third Int. Conf. on Theoretical Aspects on Computer Science, Novi Sad, Yugoslavia; LIRA '97, Eighth Int. Conf. on Logic and Computer Science, Novi Sad, Yugoslavia; ICCI '92, Fourth Int. Conf. on Computing and Information, Toronto, Canada)
- Yugoslav conferences (PRIM 2004,2000, 98, 96 – XV, XIV, XIII, and XII Conf. on Applied Mathematics, Subotica, Subotica, and Budva, Yugoslavia; LIRA '95, VII Conference on Logic and Computer Science with International Participation, Novi Sad, Yugoslavia; PRIM 95, XI Conf. on Applied Mathematics, Budva, Yugoslavia;)
- three international Yugoslav journals (Novi Sad Journal of Mathematics, University of Novi Sad, Novi Sad, Yugoslavia, since 1992; Matematički vesnik, Yugoslav Mathematical Society, Belgrade, Yugoslavia, since 1994; FILOMAT, University of Niš, Niš, Yugoslavia, since 1995;) and several books in Serbian.

Reviewer for Conferences

- The 4th International Multi-Conference on Engineering and Technological Innovation: IMETI 2011,
- International Conference on Engineering and Meta-Engineering: ICEME 2010, April 6th - 9th, 2010 – Orlando, Florida, USA
- The 3rd International Multi-Conference on Engineering and Technological Innovation: IMETI 2010, June 29th - July 2nd, 2010 – Orlando, Florida, USA.
- IADIS Information Systems 2010 (IS 2010) Conference, Porto, Portugal, 18 to 20 March 2010
- The 3rd International Conference on Knowledge Generation, Communication and Management: KGCM 2009.
- The 1st International Multi-Conference on Engineering and Technological Innovation: IMETI 2009 July 10th - 13th, 2009 – Orlando, Florida, USA.
- The 2nd International Conference on Knowledge Generation, Communication and Management: KGCM 2008, in the context of The 12th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2008, June 29th - July 2nd, 2008 – Orlando, Florida, USA, <http://www.sciis.org/kgcm2008/>

Member of Program Committees

- The 21th IEEE International Conference on Advanced Learning Technologies, ICALT 2021, Online, July 12-15, 2021, Track 2. Adaptive and Personalised Technology-Enhanced Learning (APT_{EL}), <https://tc.computer.org/tclt/icalt2021/>
- ADBIS 2021 - 25th European Conference on Advances in Databases and Information Systems, University of Tartu on 24-26 of August, 2021.
- DIDINFO 2021 - The International Conference on Computer Science Education, March 24th – 26th, 2021, Faculty of Natural Sciences, MBU, Banská Bystrica, SK, <http://www.didinfo.net>
- RCIS 2021 - The Fifteenth International Conference on Research Challenges in Information Science, Limassol, Cyprus, May 12 to May 14 2021, <http://www.rcis-conf.com/rcis2021>)
- 21st IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGrid '21), May 10-13, 2021, Melbourne, Victoria, Australia, <http://cloudbus.org/ccgrid2021/mainpage.html>
- 25th KES International Conference on Knowledge-Based and Intelligent Information & Engineering Systems 2021 (KES2021), will be held on the 8, 9 & 10 September 2021, at the Stylish Radisson Blu Hotel, Szczecin, Poland
- ACIIDS 2021, 13th Asian Conference on Intelligent Information and Database Systems, Phuket in Thailand during April 7-10, 2021: <http://www.aciids.pwr.edu.pl/>
- 25th International Conference on System Theory, Control and Computing (ICSTCC 2021), October 20-23, 2021, in Iasi, Romania, <http://ace.ucv.ro/icstcc2020/links.php>
- SONAMA - Social Network and Media Analysis, SAC 2021, Gwangju, Korea, March 22-26, 2021.
- 7th European Conference on the Engineering of Computer Based Systems, May 2021, Novi Sad, Serbia
- PDCAT-PAAP 2020 - The Joint International Conference PDCAT-PAAP 2020, the 21st International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT'20) and the 11th International Symposium on Parallel Architectures, Algorithms and Programming (PAAP'20), Shenzhen, China,

December 18-20, 2020

- MEDES 2020, the 12th International ACM Conference on Management of Digital EcoSystems, Abu Dhabi, UAE, November 2-4, 2020, <http://medes.sigappfr.org/20/>
- ICWL 2020 - 19th International Conference on Web-based Learning, Oct. 22 to 24, in Ningbo, China: <http://icwl.org.cn/>.
- CompSysTech '20 - 21-st International Conference on Computer Systems and Technologies, 19-20 June 2020, University of Ruse, Bulgaria
- DAMDID/RCDL '2020 - XXII International Conference on "Data Analytics and Management in Data Intensive Domains", 3-16 October 2020 in Voronezh, Russia.
- The Tenth International Conference on Model & Data Engineering (MEDI) will be held from 28 to 30 October 2020 in Tallinn, Estonia. <https://cs.ttu.ee/events/medi2020/>
- ICCCI 2020, 12th International Conference on Computational Collective Intelligence, 27-29 July 2020 in Da Nang, Vietnam: <http://www.iccci.pwr.edu.pl/>
- ICSLE2020 - International Conference on Smart Learning Environments, Hangzhou Normal University, Hangzhou, China, May 13th-15th 2020, <http://iasle.net/icsle-2020/>
- SADASC '20 - 3th International Conference on Smart Applications and Data Analysis for Smart Cyber Physical Systems, 25-27 March 2020 Marrakesh Morocco, www.sadasc.net
- Model Driven Approaches in System Development - MDASD'20 workshop in the scope of FedCSIS conference - FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS, Sofia, Bulgaria, 6-9 September, 2020
- PDCAT 2021 - THE 21st INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED COMPUTING, APPLICATIONS AND TECHNOLOGIES, 7-10 december 2020, Macau, China, <http://www.pdcat.org/committee.html>
- 6th International Conference on Higher Education Advances ('20, <http://www.headconf.org/>), in Valencia, Spain, June 2 to 5, 2020
- International Conference on System Theory, Control and Computing ICSTCC 2020, Sinaia, Romania, October 2020
- SPeL 2020 - 13th International Workshop on Social and Personal Computing for Web-Supported Learning Communities, in conjunction with MIS4TEL 2020 (10th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning - <https://www.mis4tel-conference.net>, L'Aquila, Italy, June 17-19, 2020
- IEEE ICALT 2019 - Track 2. Adaptive and Personalized Technology-Enhanced Learning (APTeL), 6 - 9 July Tartu, Estonia, <https://icalt2020.ut.ee>
- DB&IS 2020 -14th biennial International Baltic Conference on Databases and Information Systems, Tallinn 16-19 June 2020, <https://dbis.ttu.ee/>
- RCIS 2020 - 14th International Conference on Research Challenges in Information Science, Limassol, Cyprus, on May 20-22, 2020. URL: <http://www.rcis-conf.com/rcis2020/>
- AT 2020, the 7th International Conference on Agreement Technologies, April 22 and 23 in Thessaloniki, Greece, co-located with EUMAS 2020
- 2020 International Conference on Control and Decision (ICoCD 2020 www.icocd.org), February 14-16, Sydney, Australia
- 35th ACM/SIGAPP Symposium On Applied Computing in 2020, Brno, Czech Republic, March 30-April 3, 2020, PC member of tracks: Machine Learning and its Application Track and SONAMA - Social Network and Media Analysis
- 12th KES International Conference on Intelligent Decision Technologies 2020 (IDT-20) and 14th KES International Conference on Agents and Multi-Agent Systems; Technologies and Applications 2020 (AMSTA-20), 17-19 June 2020 at the Radisson Blu Hotel, Split, Croatia.
- DIDINFO - The International Conference on Computer Science Education, 12th – 14th February 2020 | Liberec | Czech Republic, <http://www.didinfo.net/en/>
- 24th KES International Conference on Knowledge-Based and Intelligent Information & Engineering Systems 2020 (KES2020), 16-18 September 2020, University of Verona, Italy, <http://kes2020.kesinternational.org/>
- 11th International Conference on Ambient Systems, Networks and Technologies (ANT) conference (<http://cs-conferences.acadiau.ca/ant-20/>), April 6 - 9, 2020, Warsaw, Poland.
- ENASE 2020 - 15th International Conference on Evaluation of Novel Approaches to Software Engineering, May 5 – 6, 2020 Prague, Czech Republic, <http://www.enase.org>
- ADBIS 2020 – European Conference on Advances in Databases and Information Systems, France

- ACIIDS 2020 - 12th Asian Conference on Intelligent Information and Database Systems, Phuket in Thailand, 23-26 March 2020: <http://www.aciids.pwr.edu.pl/>
- SOFSEM2020 - 46th International Conference on Current Trends in Theory and Practice of Computer Science, January 20-24 in Limassol, Cyprus. <http://cyprusconferences.org/sofsem2020/>
- THE 20TH INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED COMPUTING, APPLICATIONS AND TECHNOLOGIES, 5-7 december 2019, Gold Coast, Australia, Program Co-Chair, <http://www.pdcat.org/committee.html>
- SPeL 2019 - 12th International Workshop on Social and Personal Computing for Web-Supported Learning Communities, in conjunction with ICWL & SETE conferences (18th International Conference on Web-based Learning & 4th International Symposium on Emerging Technologies for Education) - Magdeburg, Germany, 23-25 September 2019.
- Smart Systems Design and Implementation; Theory and Practice (SSDITP-2019) within ICRAIE 2019 (4th International Conference and Workshops on Recent Advances and Innovations in Engineering), Penang, Malaysia, November 2019, <https://icraie19.wixsite.com/icraie2019/workshop>
- ICWL 2019 - 18th International Conference on Web-based Learning, Magdeburg, Germany on September 23 - 25, 2019.
- The Tenth International Symposium on Parallel Architectures, Algorithms and Programming (PAAP2019) will be held in Guangzhou, China, December 18-20, 2019, <http://sdcs.sysu.edu.cn/paap2019>
- 11th ICT Innovations Conference 2019, Ohrid North Macedonia, October 17th to October 19th, 2019, <http://www.ictinnovations.org/>.
- BCI 2019 - 9th Balkan Conference in Informatics, September 26-28, Sofia, Bulgaria, 2019, <http://www.bci-conferences.org/>
- 11th International Conference on Computational Collective Intelligence (ICCCI 2019), 4th-6th September 2019 in Auditorium Antoine D'Abbadie, Hendaye, France: <http://iccci.sigappfr.org/>
- CompSysTech'19 - 20-th International Conference on Computer Systems and Technologies, 21-22 June 2019, University of Ruse, Bulgaria, <http://www.compsystech.org/>
- DAMDID/RCDL 2019 - Data Analytics and Management in Data Intensive Domains International Conference (<http://damdid2019.universityevents.ru>), Kazan Federal University, October 15-18, 2019, Russia.
- SISAP 2019 - 12th International Conference on Similarity Search and Applications, Newark NJ, USA, October 2-4, 2019 (see <http://www.sisap.org/2019/>)
- IDC 2019: 13th International Symposium on Intelligent Distributed Computing, St. Petersburg, Russia, October 7-9, 2019, <https://www.idc2019.ru>
- WASA 2019 - 9th Workshop on Applications of Software Agents, <https://perun.pmf.uns.ac.rs/events/wasa2019/index.html>, Sofia, Bulgaria, July 3-5, 2019, in conjunction with IEEE INISTA 2019 - International Symposium on INnovations in Intelligent SysTems and Applications, <http://inista.org/>
- ADBIS 2019 - 23rd European Conference on Advances in Databases and Information Systems, Bled, Slovenia, September 8-11, 2019
- eLearning-2019 Conference, September 26-27, 2019, The Belgrade Metropolitan University, Belgrade, Serbia
- CAM-19 - Computer Assisted Mathematics, July 22-24, 2019, Russia, St. Petersburg.
- MEDI 2019, 9th International Conference on Model and Data Engineering, 9th International Conference on Model and Data Engineering, 28-31 October 2019, Toulouse, France, <https://www.irit.fr/MEDI2019/index.html>
- IEEE ICALT 2019 - IEEE International Conference on Advanced Learning Technologies, Maceió, Brazil, July 15-18, 2019, <http://www.ieee-icalt.org>, Track APTeL - Adaptive and Personalized Technology-Enhanced Learning, (<http://www.ic.ufal.br/evento/icalt2019/index.php/tracks/track-2-adaptive-and-personalised-technology-enhanced-learning-aptel/>)
- THE 20TH INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED COMPUTING, APPLICATIONS AND TECHNOLOGIES, 5-7 december 2019, Gold Coast, Australia, Program Co-Chair, <http://www.pdcat.org/committee.html>
- DIDINFO 2019 - The International Conference on Computer Science Education, 3th – 5th April 2019 Banská Bystrica, Slovakia, <http://www.didinfo.net/en/>
- RICE-2019 - Fourth International Conference on Research in Intelligent and Computing in Engineering, HaUI, Hanoi, Vietnam on 08-09, August 2019
- 23rd International Database Engineering & Applications Symposium, IDEAS 2019, June 10-12, 2019 Athens, Greece
- 25th International Conference on Information and Software Technologies (ICIST 2019), 2019, Kaunas University, Lithuania

- APTeL@ICALT2019 Track - Adaptive and Personalized Technology-Enhanced Learning, within The 19th IEEE International Conference on Advanced Learning Technologies - ICALT2019
- 23rd International Conference on System Theory, Control and Computing (ICSTCC 2019), October 9-11, 2019, in Sinaia, Romania, <http://icstcc2019.cs.upt.ro/>
- WIMS 2019 - 9th International Conference on Web Intelligence, Mining and Semantics, June 26–28, 2019, Seoul, South Korea
- ICSLE 2019 - 5th International Conference on Smart Learning Environments, Denton, Texas, United States, March 18-20, 2019. <http://iasle.net/icsle-2019/>.
- EMMSAD19 - Exploring of Modeling Methods for Systems Analysis & Development, June 3-4, 2019 co-located with [CAiSE 2019](#) in Rome, Italy, <http://www.emmsad.org/>.
- KES AMSTA 2019 - 13th KES International Conference on Agents and Multi-Agent Systems; Technologies and Applications 2019, Malta, 17-19 June 2019, <http://amsta-19.kesinternational.org/index.php>.
- ACIIDS 2019 - 11th Asian Conference on Intelligent Information and Database Systems, Yogyakarta, Indonesia, 8-11 April 2019: <http://www.aciids.pwr.edu.pl/>
- 34th ACM Symposium on Applied Computing in 2019, SAC 2019, Limassol, Cyprus, April 8-12, 2019.
- SOFSEM 2019 - 45th International Conference on Current Trends in Theory and Practice of Computer Science, track “Data Science and Engineering”, January 27-30 in Nový Smokovec, Slovakia.
- 6th International Conference on Agreement Technologies, 6 - 7 December 2018, Bergen, Norway
- 8th International Scientific Conference COMPUTER SCIENCE'2018, who be held 13-15 September 2018 in Kavala, Greece, Technical University, Sofia, Bulgaria
- ACM SIGSPATIAL GIS'18 - 26th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, Seattle, Washington, USA on November 6th through 9th, 2018, <https://sigspatial2018.sigspatial.org/>
- ENASE 2019 - Evaluation of Novel Approaches to Software Engineering, Heraklion, Crete, Greece, 4-5 May, 2019
- MIKE 2018 - The Sixth International Conference on Mining Intelligence and Knowledge Exploration December 20 - 22, 2018, Cluj - Napoca, Romania
- 2018 – Constructionism, computational thinking and educational innovation, August 21 to 25 in Vilnius, Lithuania, <http://www.constructionism2018.fsf.vu.lt/>
- SNAMS 2018 - The Fifth International Conference on Social Networks Analysis, Management and Security, Valencia, Spain. October 15-18, 2018 at [<http://emergingtechnet.org/SNAMS2018/index.php>]
- ICWL 2018 - The 17th International Conference on Web-based Learning, August 22nd – 24th, 2018, ChiangMai, Thailand, <http://www.itsci.mju.ac.th/icwl2018/organization.html>
- 8th International Workshop on Personalization Approaches in Learning Environments (PALE), jointly organized at both UMAP 2018 - 26th ACM Conference on User Modeling, Adaptation and Personalization and AIED 2018 - 19th International Conference on Artificial Intelligence in Education, London (UK) on June 27th-30th, <http://adenu.ia.uned.es/workshops/pale2018/>
- DIDINFO 2018 - The International Conference on Computer Science Education, 4th – 6th April 2018 | Liberec | Czech Republic, <http://www.didinfo.net/en/>
- 10th International Conference ICT Innovations 2018, September 17-19, 2018, Ohrid, Macedonia, <http://www.ictinnovations.org/>.
- ADBIS 2018 - 22nd European Conference on Advances in Databases and Information Systems, September 2-5, 2018, Budapest, Hungary
- MEDI 2018, 8th International Conference on Model and Data Engineering, Marrakesh, Morocco, October 24-26, 2018, <https://easychair.org/cfp/MEDI2018>
- AfCAI 2018 - Affective Computing and Context Awareness in Ambient Intelligence, <http://afcai18.webs.upv.es>, Universitat Politècnica de València, Spain, on 19-20 April 2018
- CompSysTech'18 - 19-th International Conference on Computer Systems and Technologies, 13-14 September 2018, University of Ruse, Bulgaria, <http://www.compsystech.org/>
- 4th International Conference on Higher Education Advances (HEAD'18, <http://www.headconf.org/>), Valencia, Spain, June 20 to June 22, 2018.
- ICCCI 2018 - 10th International Conference on Computational Collective Intelligence, Bristol, UK September 5-7, 2018, <http://www.iccci2018.org/>
- Model Driven Approaches in System Development - MDASD'18 workshop in the scope of FedCSIS conference - FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS, Poznań, Poland, 9 - 12 September, 2018

- 11th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2018), in conjunction with the 8th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL 2018) - Toledo, Spain, 20-22 June 2018.
- APTeL@ICALT2018 Track - Adaptive and Personalized Technology-Enhanced Learning, within The 18th IEEE International Conference on Advanced Learning Technologies - ICALT2018
- 24th International Conference on Information and Software Technologies (ICIST 2018), October 4th–6th, 2018, Vilnius, Lithuania
- IDC 2018 - 12th International Symposium on Intelligent Distributed Computing, October 2018, Bilbao, Spain.
- Baltic DB&IS 2018 - 13th biennial International Baltic Conference on Databases and Information Systems, Baltic DB&IS 2018, Trakai, Lithuania, 1-4 July, 2018. <https://www.mii.lt/balticDBIS2018/index.php?q=home>
- KES 2018 - 22nd KES International Conference on Knowledge-Based and Intelligent Information & Engineering Systems 2018, 3-5 September 2018, Belgrade, Serbia
- INISTA 2018 - 2018 IEEE International Conference on INnovations in Intelligent SysTems and Applications, Thessaloniki, Grand Hotel Palace, 3-5 July 2018
- 14. Српски математички конгрес, Крагујевац, 16. - 19. мај 2018., Природно-математички факултет, Крагујевац.
- ICoTiM 2018 - 3rd International Conference on Information Technologies in Management, Warsaw, Poland, 26 January 2018
- SOFSEM 2018 - 44th International Conference on Current Trends in Theory and Practice of Computer Science, January 29 - February 2, 2018 | Krems an der Donau, Austria
- 12th KES International Conference on Agents and Multi-Agent Systems; Technologies and Applications 2018 (AMSTA-18), 20-23 June 2018, Gold Coast, Australia.
- 10th KES International Conference on Intelligent Decision Technologies 2018 (IDT-18), 20-23 June 2018, Gold Coast, Australia.
- ACIIDS 2018 - 10th Asian Conference on Intelligent Information and Database Systems, Dong Hoi, Vietnam, during 19-21 March 2018
- ENASE 2018 - “13th International Conference on Evaluation of Novel Approaches to Software Engineering”, Funchal, Madeira, Portugal, 23-24 March, 2018
- 3rd IEEE International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU 2018), 24-25 February 2018, Birla Institute of Applied Sciences, Bhimtal, Nainital, Uttarakhand, India.
- BASE 2017 - 3rd International Symposium - Big-data Analytics in Science and Engineering, Data Models and New Query Languages in Big Data Analytics), November 27-29, Univeristy of Aizu, Japan, <http://web-ext.u-aizu.ac.jp/labs/is-ds/BASE2017.html>
- AT 2017 - 5th International Conference on Agreement Technologies, Paris, France, on 14th-15th December 2017.
- IMCL2017 - International Conference on Interactive Mobile Communication, Technologies and Learning, 30 November – 1 December 2017, Mediterranean Palace Hotel, Thessaloniki, Greece
- ACM SIGSPATIAL GIS 2017 - International Conference on Advances in Geographic Information Systems, Redondo Beach, California on November 7th through 10th, 2017, <http://sigspatial2017.sigspatial.org/>.
- BD:TA - 8th EAI International Conference on Big Data Technologies and Applications, November 23–24, 2017 | Gwangju, South Korea, <http://www.infoscale.org/2017/show/org-com>
- ICSLE 2017 - 2017 International Conference on Smart Learning Environments Conference, Beijing, China, October 23-25, 2017,
- eLearning-2017 - Eighth International Conference on eLearning, September 28-29, 2017, Metropolitan University, Belgrade, Serbia.
- ICT Innovations 2017: 9th International Conference ICT Innovations 2017, Hotel Aleksandar Palace, Skopje, Macedonia, September 18-23, 2017
- SNAMS-2017 - The Fourth International Symposium on Social Networks Analysis, Management and Security, Prague, Czech Republic. August 21-23, 2017
- CompSysTech'17 - 18-th International Conference on Computer Systems and Technologies, 23-24 June 2017, University of Ruse, Bulgaria, <http://www.compsystech.org/>
- PAAP 2017 - The 8th International Symposium on Parallel Architectures, Algorithms and Programming, HaiKou, China, 10-11 June 2017, <http://www.paap2017.org/paap2017/paap.html>
- ICCCI 2017 - 9th International Conference on Computational Collective Intelligence, Nicosia, Cyprus, September 27-29, 2017, <http://cyprusconferences.org/iccci2017/>
- AWICT 2017 - Second International Conference on Advanced Wireless Information and Communication Technologies, 13-14 November 2017, Paris, France, <https://bindscience.com/awict/>

- ITHET 2017 - 16th International Conference on Information Technology Based Higher Education and Training, Ohrid, Macedonia, July 10-12, 2017
- 16th International Conference on Web-based Learning (ICWL 2017), to be held in Cape Town, South Africa, 20-22 September 2017, <http://www.hkws.org/conference/icwl2017/index.html> and
- 10th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2017), to be held in conjunction with the 16th International Conference on Web-based Learning (ICWL 2017) & 2nd International Symposium on Emerging Technologies for Education (SETE 2017) - Cape Town, South Africa, 20-22 September 2017. <http://software.ucv.ro/~epopescu/spel2017/registration.php>
- PALE 2017 - 7th International Workshop on Personalization Approaches in Learning Environments, part of ACM UMAP 2017 Conference (<http://www.um.org/umap2017>), July 9-12th, 2017 in Bratislava (Slovakia)
- 44th International Conference on International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM'2018), Track: Data, Information and Knowledge Engineering, Krems an der Donau (Donau-Universität Krems), Austria in beginning of 2018
- Liquid Software 2017 - 2nd International Workshop on Liquid Multi-Device Software, within 17th International Conference on Web Engineering, 5 - 8 June, 2017 / Rome Italy
- KES-AMSTA-17 Agents and Multi-agent Systems – Technologies and Applications, Tivoli Marina Vilamoura, Algarve, Portugal, 21-23 June 2017.
- 16th World Conference on Mobile and Contextual Learning, 30 October - 1 November, Larnaca, Cyprus, 2017, <http://iamlearn.org/mllearn/index.php>
- ABC:MI - 11th Workshop on Agent Based Computing: from Model to Implementation, within FedCSIS 2017 - Federated Conference on Computer Science and Information Systems 2017, Prague, Czech Republic, 3 - 6 September, 2017.
- IML2017 - International Conference on Internet of Things and Machine Learning, Liverpool John Moores University, Liverpool city, United Kingdom, October 2017. <http://www.iml-conference.org/index.php/presentation>
- ICALT 2017 - The 17th IEEE International Conference on Advanced Learning Technologies, PC member (Track 2. Adaptive and Personalised Technology-Enhanced Learning), July 3-7, 2017, Timisoara, Romania
- 18th International Carpathian Control Conference – ICC 2017, 28-31 May 2017 in Sinaia, Romania.
- PDCAT 2017 - 18th International Conference on Parallel and Distributed Computing, Applications and Technologies, December 18-20, 2017, Taipei, Taiwan
- BigDaCI 2017 Conference on Big Data Analytics, Data Mining and Computational Intelligence 2017, Lisbon, Portugal 20-23 July, <http://bigdaci.org/call-for-papers/>
- 2nd International Conference on Information Technologies in Management, Warsaw, Poland, 27 January 2017, <http://icoitim.wsm.warszawa.pl/>
- ADBIS 2017 - 21st European Conference on Advances in Databases and Information Systems, Nicosia, Cyprus, on September 24-27, 2017
- BCI 2017 - 8th Balkan Conference in Informatics 2017, September 20-23, 2017, FYROM, <http://bci2017.finki.ukim.mk/>
- 23rd International Conference on Information and Software Technologies October 12th–14th, 2017, Druskininkai, Lithuania
- 21st KES International Conference on Knowledge-Based and Intelligent Information & Engineering Systems 2017 (KES2017), will be held on the 6, 7 & 8 September 2017, in Marseille, Southern France.
- DidInfo + DidactIG 2017, International Conference on the Teaching of Informatics, April 5th-7th 2017, Banská Bystrica, Slovakia, <http://didinfo.umb.sk>
- 4th International Symposium on Big Data and Cloud Computing Challenges (ISBCC-2017), March 9-10, 2017 VIT University, Chennai, India, <http://isbcc.in/>
- INISTA 2017 - 2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications, Poland, 3-5 July 2017, <http://inista.org>
- CAiSE 2017 – 29th International Conference on Advanced Information Systems Engineering, 12-16 June 2017, Essen, Germany, <http://www.caise2017.paluno.de/committees/organization/>
- Social Network and Media Analysis track (SONAMA) of The 32st ACM/SIGAPP Symposium On Applied Computing 2017, April 3-7, 2017, Marrakech, Morocco
- ACHIDS 2017 - 9th Asian Conference on Intelligent Information and Database Systems, 3-5 April 2017, Kanazawa, Japan, <https://aciids.pwr.edu.pl/2017/index.php#about>

- SOFSEM-DATA ('Data, Information, and Knowledge Engineering'), January 16–20, 2017, Lero – Limerick, Ireland
- ICAT 2017 - 5th International Conference on Advanced Technology & Sciences, 09-12 May 2017, Istanbul/TURKEY
- SYNASC2016-WORKSHOPS - 17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 24-27 2016, Timisoara, Romania, <http://synasc.ro/2016/>
- 4th International workshop on Big Data and Social Networking Management and Security, will be held in conjunction with the "International Conference for Internet Technology and Secured Transactions (ICITST-2016)", December 5-7, 2016, Barcelona, Spain. (see <http://emergingtechnet.org/BDSN2016/>)
- 4th International Conference on Agreement Technologies (AT 2016) in collocation with EUMAS 2016, Valencia, Spain, December 15-16, 2016, <http://eumas-at2016.webs.upv.es/>
- 9th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2016), to be held in conjunction with the 15th International Conference on Web-based Learning (ICWL 2016) & 1st International Symposium on Emerging Technologies for Education (SETE 2016) - Rome, Italy, 26-29 October 2016.
- 8th International Conference ICT Innovations 2016, 5 - 7 September Ohrid, R. Macedonia
- ACM SIGSPATIAL 2016 - 24th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, October 31 - November 3, 2016 — San Francisco Bay Area, California, USA <http://sigspatial2016.sigspatial.org/>
- ICWL 2016 - 15th International Conference on Web-based Learning, Rome, Italy, 26-29 October 2016, <http://icwl2016.dis.uniroma1.it/home>
- INTERNATIONAL CONFERENCE ON E-LEARNING, 08-09 September 2016, Slovak University of Technology, Bratislava, Slovakia, <http://elearning-conf.eu/>
- 17-th International Conference on Computer Systems and Technologies, CompSysTech'16, 23-24 June, 2016, Palermo, Italy
- SCLIT 2016 - 6th Symposium on Computer Languages, Implementations and Tools (<http://perun.pmf.uns.ac.rs/sclit/>), September 19-25, 2016, Rhodes, Greece.
- 4th International Conference on Advanced Technology & Sciences (ICAT'Rome), Rome, Italy on 23-25 November 2016, <http://www.icatsconf.org/ITALY2016/icatrome>.
- 7th EAI International Conference on Big Data Technologies and Applications, November 17–18, 2016 | Seoul, South Korea
- Seventh International Conference on eLearning (eLearning-2016 Conference), September 22-23, 2016, Belgrade Metropolitan University, Belgrade, Serbia.
- PALE 2016 - 6th International Workshop on Personalization Approaches in Learning Environments, at the ACM UMAP 2016 Conference (<http://www.um.org/umap2016>), July 13-17th, 2016 in Halifax (Canada).
- ICoITiM 2016 – 2nd International Conference on Information Technologies in Management, Warszawa, Poland, November 24, 2016, <http://icoitim.wsm.warszawa.pl/>
- Software Testing track of ICITCS 2016 (<http://icatse.org/icitcs/>), September 26th-29th, 2016 in Prague, Czech Republic.
- EL 2016 - 10th International Conference on e-Learning, Madeira, Portugal, 1 - 3 July 2016 (<http://www.elearning-conf.org/>), Part of the Multi Conference on Computer Science and Information Systems (MCCSIS 2016), Madeira, Portugal, 1 - 4 July 2016 (<http://www.mccsis.org/>)
- 2016 International Conference on Big Data Analytics, Data Mining and Computational Intelligence, 2 – 4 July 2016, Madeira, Portugal, <http://bigdaci.org/>
- 16th IEEE International Conference on Advanced Learning Technologies (ICALT 2016, <http://www.ask4research.info/icalt/2016/>), APTeL@ICALT2016 - Adaptive and Personalised Technology-Enhanced Learning, July 25-28, 2016, Austin, Texas, USA
- 20th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 5-7 Sept 2016 York, UK, <http://kes2016.kesinternational.org/>
- 8th International Conference e-Health 2016, Madeira, Portugal, 1 - 3 July 2016, (<http://www.ehealth-conf.org/>), Part of the Multi Conference on Computer Science and Information Systems (MCCSIS 2016), Madeira, Portugal, 1 - 4 July 2016, (<http://www.mccsis.org/>)

- LiquidWS-2016 - 1st International Workshop on Liquid Multi-Device Software for the Web, At the [ICWE'2016 conference](#) 9.6.2016, In Lugano, Switzerland. <http://www.tut.fi/en/liquidWS-2016/general/>
- The 22nd International Conference on Information and Software Technologies (ICIST 2016), Druskininkai, Lithuania, 13-15 October 2016, <http://icist.if.ktu.lt/index.php/ICIST/index>
- 6th International Conference on Model and Data Engineering (MEDI 2016), Aguadulce, Almería, SPAIN, 21-23 September 2016
- ICSLE 2016 - International Conference on Smart Learning Environments, Tunisia, September 28-30, 2016.
- INISTA 2016 - 2016 International Symposium on INnovations in Intelligent SysTems and Applications, 2-5 August 2016, Sinaia, Romania, <http://www.inista.org/>.
- 4th Workshop on Model Driven Approaches in System Development (MDASD'16), Gdansk, Poland, 11 - 14 September, 2016
- 8th International Conference on Computational Collective Intelligence - ICCCI 2016, 28-30 September, 2016, Halkidiki, Greece, 2016, <http://conferences.cwa.gr/iccci2016/>
- “11th International Conference on Evaluation of Novel Software Approaches to Software Engineering”, ENASE 2016, Rome, Italy, 26-28 April, 2016 (<http://www.enase.org>)
- WEB 2016 - The Fourth International Conference on Building and Exploring Web Based Environments, June 26 - 30, 2016 - Lisbon, Portugal
- The Eighth International Conference on Mobile, Hybrid, and On-line Learning - eLmL 2016, April 24 - 28, 2016 - Venice, Italy
- WIMS' 2016 - 6th International Conference on Web Intelligence, Mining and Semantics, June 13-15, 2016 – Nîmes, France, <http://wims2016.mines-ales.fr/#sthash.0u9Kw1MX.dpuf>
- 2016 International Conference on Internet of things and Cloud Computing (ICC 2016) , The Møller Centre-CHURCHILL COLLEGE University of CAMBRIDGE, Cambridge, United Kingdom, 22-23 March 2016. <http://www.icc-conference.org/committees.html>
- OSD 2016: Special Session on Ontology-Based Software Development, within ACIIDS 2016 - 8th Asian Conference on Intelligent Information and Database Systems, Da Nang, Vietnam, 14-16 March 2016: <http://www.aciids.pwr.edu.pl/>
- Baltic DB&IS 2016 -12th International Baltic Conference on DB and IS, July 4-6 2016, in Riga, Latvia.
- 8th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016), Da Nang, Vietnam, 14-16 March 2016, <http://www.aciids.pwr.edu.pl/>
- Social Network and Media Analysis track (SONAMA) of The 31st ACM/SIGAPP Symposium On Applied Computing, Pisa, Italy, April 4 - 8, 2016
- ACSys 2015 - 12th Workshop on Agents for Complex Systems, in the framework of SYNASC 2015 17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timisoara, Romania September 21 – 24, 2015
- 8th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2015), within 2nd International Conference on Smart Learning Environments (ICSLE 2015), Sinaia, Romania, 23-25 September 2015.
- e-Learning'15 - INTERNATIONAL CONFERENCE ON E-LEARNING, 11-12 September 2015, University of Applied Sciences, Berlin, Germany
- PAAP 2015 - The Seventh International Symposium on Parallel Architectures, Algorithms and Programming, 12-14 Dec 2015, Nanjing, CHINA, <http://paap2015.njupt.edu.cn>
- The Seventh International Symposium on Parallel Architectures, Algorithms and Programming (PAAP 2015), Nanjing, China, during 12-14 December 2015.
- 3rd International Conference on Agreement Technologies, December 17-18, 2015, Athens, Greece
- The 14th International Conference on Web-based Learning - ICWL 2015, November 5-8, 2015, Guangzhou, China
- 14th RoEduNet Conference: Networking in Education and Research NER'2015, 24-26 September 2015, Craiova, Romania. <http://conference.roedu.net/>
- 16-th International Conference on Computer Systems and Technologies, CompSysTech'15, 25-26 June 2015, Dublin, Ireland
- eLearning-2015 - Sixth International Conference on e-Learning, 22-23 September, Belgrade, Serbia
- PALE 2015 - 5th International Workshop on Personalization Approaches in Learning Environments, <http://adenu.ia.uned.es/workshops/pale2015>, in conjunction with the 23rd conference on User Modeling, Adaptation, and Personalization (UMAP 2015), 29th June – 3rd July, Dublin, Ireland
- ICoITiM 2015 - 1st International Conference on Information Technologies in Management, Warszawa, Poland, May 21-22, 2015, <http://itconf.wsm.warszawa.pl/>

- ICIT 2015 - The 7th International Conference on Information Technology, May 12-15, 2015, Al Zaytoonah University, Amman, Jordan
- CSI 2015 - Special Session on Computational Swarm Intelligence, at the 7th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI 2015), Madrid, Spain, September 21-23, 2015
- SCLIT 2015 - 5th Symposium on Computer Languages, Implementations and Tools (<http://perun.pmf.uns.ac.rs/sclit/>), September 23-29, 2015, Rhodes, Greece.
- SQAMIA 2015 - 4th Software Quality Analysis, Monitoring, Improvement and Applications (<http://2015.sqamia.org/>), June 8-10, 2015, Maribor, Slovenia.
- ICCCI 2015 - 7th International Conference on Computational Collective Intelligence Technologies and Applications, September 21-23, 2015 in Madrid, Spain, <http://antares.sip.ucm.es/iccci2015/index.php>
- 7th International Conference on e-Health 2015 (EH 2015), 21 - 23 July 2015, Las Palmas de Gran Canaria, Spain, <http://ehealth-conf.org/>
- 7th International Conference ICT Innovations 2015 will be held in Ohrid, FYR Macedonia October 1 - 4, 2015 <http://ictinnovations.org/>
- Infoteh Jahorina 2015, 18. - 20. Mart 2015, Bosnia and Hercegovina
- ICTERI 2015 - 11th International Conference on ICT in Education, Research, and Industrial Applications, May 14-16, 2015, at Lviv, Ukraine. (<http://www.icteri.org/>)
- 9th International Conference on Intelligent Systems and Agents 2015, Las Palmas de Gran Canaria, Spain, 22 - 24 July 2015
- ADBIS'2015 - 19th East-European Conference on Advances in Databases and Information Systems, Poitiers, France, on September 8-11, 2015.
- The 15th IEEE International Conference on Advanced Learning Technologies (ICALT2015), Hualien, Taiwan from 6-9 July 2015.
- The 21st International Conference on Information and Software Technologies (ICIST 2015), Kaunas University of Technology, <http://www.ask4research.info/icalt/2015/>
- IDC'2015 - 9th International Symposium on Intelligent Distributed Computing, 7th-9th October 2015, Guimarães, Portugal, <http://islab.di.uminho.pt/idc2015/>
- ICSLE 2015 - 2nd International Conference on Smart Learning Environments, Sinaia, Romania, September 23-25, 2015. <http://www.ask4research.info/icsle/2015>.
- ICAT'15 -International Conference on Advanced Technology & Sciences, Antalya, Turkey, 4-7 August, 2015. <http://www.icatsconf.org/index.php/ICAT15/ICAT15>
- MEDI 2015 - 5th International Conference on Model & Data Engineering, 26-28 September 2015, Rhodes, Greece. <http://delab.csd.auth.gr/medi2015>
- 10th Workshop on Agent Based Computing: from Model to Implementation (ABC:MI) within FedCSIS'15 conference, Łódź, Poland (September 13-16, 2015); <https://fedcsis.org>
- 7th Balkan Conference in Informatics, BCI 2015, September 2-4, 2015, Craiova, Romania
- WEB 2015 - The Third International Conference on Building and Exploring Web Based Environments, May 24 - 29, 2015 - Rome, Italy, <http://www.iaria.org/conferences2015/ComWEB15.html>
- 8th IADIS International Conference Information Systems 2015, 14 - 16 March 2015, Madeira - Portugal (<http://www.is-conf.org/>)
- WIMS 2015 - 5th International Conference on Web Intelligence, Mining and Semantics, June 22-24, 2015 - Larnaca, Cyprus, <http://cyprusconferences.org/wims2015/>
- 7th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2015), Bali, Indonesia, 23-25 March 2015, <http://www.aciids.org>
- The Seventh International Conference on Mobile, Hybrid, and On-line Learning eLmL 2015, February 22 - 27, 2015 - Lisbon, Portugal
- SCLIT 2014 - 4th Symposium on Computer Languages, Implementations and Tools (<http://perun.pmf.uns.ac.rs/sclit/>), September 22-28, 2014, Rhodes, Greece.
- 5th International Conference on eLearning (eLearning-2014) - September, 22-23 June, 2014, Metropolitan University, Belgrade, Serbia.
- The 23rd International Conference on Information Systems Development (ISD2014), University of Zagreb, Faculty of Organization and Informatics, Varazdin, Croatia, September 2-4, 2014.
- SQAMIA 2014 - 3rd Software Quality Analysis, Monitoring, Improvement and Applications (<http://www.riteh.uniri.hr/SQAMIA/2014/>), September 19-22, 2014, Lovran, Croatia.

- *CompSysTech'14* - International Conference On Computer Systems And Technologies, Ruse, Bulgaria on 27-28 June 2014.
- ICWL 2014 - The 13th International Conference on Web-based Learning 13-16 August 2014, Tallinn, Estonia, <http://www.hkws.org/conference/icwl2014/>
- 7th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2014), in conjunction with the 13th International Conference on Web-based Learning (ICWL 2014), Tallinn, Estonia, 13-16 August 2014.
- Fourth International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage - DiPP2014 (<http://dipp2014.math.bas.bg>), 18 – 21 September, 2014, Veliko Tarnovo, Bulgaria.
- The 20th International Conference on Information and Software Technologies (ICIST 2014), Kaunas, Lithuania
- 8th International Conference Intelligent Systems and Agents 2014, 15 – 17 July, Lisbon, Portugal, <http://www.isa-conf.org/>
- 8th International Conference e-Learning 2014, 15 – 18 July, Lisbon, Portugal, <http://www.elearning-conf.org/>
- ICCCI 2014 - 6th International Conference on Computational Collective Intelligence Technologies and Applications, September 2014 at Seoul, Korea.
- 3rd Workshop on Model Driven Approaches in System Development (MDASD 2014), URL: <http://www.fedcsis.org/mdasd>
- 6th International Conference ICT Innovations 2014 will be held in Ohrid, FYR Macedonia September 09 – 12, 2014 <http://www.ict-act.org>
- ICALT 2014, Adaptive and Personalized Technology-Enhanced Learning (APT@ICALT2014), Athens, Greece, July 7-10, 2014. (<http://www.ask4research.info/icalt/2014>)
- SLATE 2014 – 3rd Symposium on Languages, Applications and Technologies, Instituto Politécnico de Bragança, June, 19-20, Spain
- AMSTA-14, the 8th International KES Conference on Agents and Multi-Agent Systems - Technologies and Applications, Chania, Greece, 18 - 20 June 2014
- ADBIS 2014, 18th East-European Conference on Advances in Databases and Information Systems, Ohrid, FYR Macedonia, September 7–10, 2014.
- 8th International Symposium on Intelligent Distributed Computing, IDC 2014, September 3-5, 2014 at Madrid, Spain, Dept. of Informatics of the Autonomous University of Madrid, <http://aida.ii.uam.es/IDC2014/>.
- WASA 2014 - Workshop on Applications of Software Agents, within 4th International Conference on Web Intelligence, Mining and Semantics, WIMS 2014, June 2-4, 2014, Thessaloniki, Greece,
- 4th International Conference on Web Intelligence, Mining and Semantics, WIMS 2014, June 2-4, 2014, Thessaloniki, Greece, Dept. of Informatics (<http://www.csd.auth.gr/en/index.php>), Aristotle University of Thessaloniki (<http://auth.gr/en>)
- 7th International Conference on Information Systems 2014, 28 February – 2 March, Madrid, Spain, 2014, <http://www.is-conf.org/>
- Baltic DB&IS 2014 -11th International Baltic Conference on DB and IS, June 8-11, 2014, Tallinn, Estonia
- eLmL 2014, The Sixth International Conference on Mobile, Hybrid, and On-line Learning, March 23 - 27, 2014 - Barcelona, Spain, under DigitalWorld 2014 umbrella
- 6th International Symposium on Parallel Architectures, Algorithms and Programming - PAAP2013, Guangzhou, China, December 20-22, 2013
- 6th International Workshop on Social and Personal Computing for Web-Supported Learning Communities *SPeL 2013*, at The 17th International Conference on System Theory, Control and Computing ICSTCC 2013, Sinaia, Romania, 11-13 October 2013
- 12th Conference Znalosti, 13-15 October, 2013, Ostrava, Czech Republic.
- 4th International Conference on eLearning 2013 - September, 26th and 27th, 2013, Metropolitan University, Belgrade, Serbia.
- *CompSysTech'13* - International Conference On Computer Systems And Technologies, Ruse, Bulgaria on 28-29 June 2013.
- The 14th International Conference on Web Information System Engineering - WISE 2013, Nanjing China, October 13-15, 2013, <http://www.wise2013.org>.
- The 19th International Conference on Information and Software Technologies (ICIST 2013), October 10-11, 2013, Kaunas, Lithuania
- 5th ICT Innovations 2013 Conference, 12-15 September, Ohrid, FYR Macedonia
- Second International Conference on Agreement Technologies (AT-2013, Beijing, China on August 1-2, 2013.,: <http://www.ia.urjc.es/at2013/>

- 5th KES International Conference on Intelligent Decision Technologies, IDT-2013, Sesimbra, Portugal, 26-28 June 2013, <http://idt-13.kesinternational.org/>
- Workshop on Agent Based Computing: from Model to Implementation IX (ABC:MI), Koblenz, Germany, September 16-20, 2013, <http://ocean.cs.siu.edu/abcmi/>
- ICNAAM 2013 (International Conference of Numerical Analysis and Applied Mathematics), Symposium on Computer Languages, Implementations and Tools, SCLIT 2013, September 21-27, 2013, Rhodes island, Greece, <http://perun.pmf.uns.ac.rs/sclit>.
- IADIS INTERNATIONAL CONFERENCE INTELLIGENT SYSTEMS AND AGENTS 2013, Prague, Czech Republic, 22 - 24 July 2013, (<http://www.isa-conf.org/>)
- SLATE 2013 - 2nd Symposium on Languages, Applications and Technologies, 20 and 21 June, 2013, University of Porto, Portugal, <http://slate-conf.org/2013>
- IADIS INTERNATIONAL CONFERENCE E-LEARNING 2013, Prague, Czech Republic, 23 - 26 July 2013, (<http://www.elearning-conf.org/>) part of the IADIS Multi Conference on Computer Science and Information Systems (MCCSIS 2013), Prague, Czech Republic 22 - 26 July 2013 (<http://www.mccsis.org/>)
- ICWL 2013 - 12th International Conference on Web-based Learning, 6-9 October 2013 in Kaohsiung, Taiwan, <http://icwl2013.tajen.edu.tw/>
- WASA 2013 - Workshop on Applications of Software Agents, within 5th International Conference on Computational Collective Intelligence Technologies and Applications - ICCCI 2013", 11-13 September 2013 in Craiova, Romania. <http://software.ucv.ro/ICCCI2013>
- 5th International Conference on Computational Collective Intelligence Technologies and Applications - ICCCI 2013", 11-13 September 2013 in Craiova, Romania. <http://software.ucv.ro/ICCCI2013>
- BCI 2013 - 6th Balkan Conference in Informatics, 19-21 September 2013, Thessaloniki – Greece, <http://bci2013.bci-conferences.org/>
- 4th Workshop on Advances in Programming Languages (WAPL 2013), Within Federated Computer Science and Information Systems Conference (FedCSIS). Kraków, Poland, September 8-11, 2013
- ADBIS 2013 - 17th East-European Conference on Advances in Databases and Information Systems, <http://adbis2013.disi.unige.it/>, Genova, Italy, on September 1st to 4th, 2013
- IDC 2013, 7th International Symposium on Intelligent Distributed Computing, 4-7 September 2013 in Prague, Czech Republic, <http://www.ksi.mff.cuni.cz/IDC2013/>
- WORKSHOP Intelligent Data Analysis with Applications in Information Retrieval and Machine Learning (IDAIR), KES IIMSS 2013, Sesimbra, Portugal, 26 - 28 June 2013
- IADIS International Conference Information Systems 2013, 13 – 15 March, Lisbon, Portugal, <http://www.is-conf.org/>
- The First International Conference on Building and Exploring Web Based Environments WEB 2013, January 27 - February 1, 2013 - Seville, Spain
- AMSTA-13, the 7th International Conference on Agents and Multi-Agent Systems - Technologies and Applications, Hue City, Vietnam on 28-30 May 2013, organised by KES International in association with Hue University
- CSS 2012 – Collaboration, Software and Services in Information Society, 8-12 October 2012, Ljubljana, Slovenia.
- 4th ICT Innovations 2012 Conference, 12-15 of September 2012, Ohrid, FYR of Macedonia.
- Third International Conference on e-Learning (eLearning-2012), 27-28 September, Metropolitan University, Belgrade, Serbia
- AT 2012 – The first International Conference on Agreement Technologies, Dubrovnik, Croatia, 15-16 October 2012.
- 11th International Conference on Web-based Learning (ICWL 2012), Sinaia, Romania, 2-4 September 2012.
- *CompSysTech '12* - International Conference On Computer Systems And Technologies, Ruse, Bulgaria on 22-23
- WASA 2012 - Workshop on Applications of Software Agents, within BCI 2012 - 5th Balkan Conference in Informatics, Novi Sad, Serbia, 16-20 September 2012
- CSE'2012 International Scientific Conference on Computer Science and Engineering, Kosice - Stara Lesna, High Tatras, Slovakia, October 3rd-5th, 2012
- The 18th International Conference on Information and Software Technologies (ICIST 2012), September 13th - 14th, 2012, Kaunas, Lithuania
- ICNAAM 2012 (International Conference of Numerical Analysis and Applied Mathematics), Symposium on Computer Languages, Implementations and Tools, SCLIT 2012, September 19 - 25, 2012, Kos island, Halkidiki, Greece

- 5th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2012) and DULP – 3rd Workshop on Design Centered and Personalized Learning in Liquid and Ubiquitous Learning Places, under ICALT 2012 (12th IEEE International Conference on Advanced Learning Technologies), 4-6 July 2012, Rome, Italy (<http://www.scuolaiaad.it/ICALT2012/>)
- CAiSE – Forum '12 - 24th International Conference on Advanced Information Systems Engineering, 25 – 29 June 2012, GDANSK, POLAND
- SLATE 2012 - Symposium on Languages, Applications and Technologies, 21 and 22 June, 2012, University of Minho, Braga, Portugal, <http://slate.di.uminho.pt/>
- IADIS International Conference e-Health 2012, Lisbon, Portugal, 21 - 23 July 2012
- IADIS International Conference Intelligent Systems and Agents 2012, Lisbon, Portugal, 21 - 23 July 2012
- IADIS INTERNATIONAL CONFERENCE E-LEARNING 2012, Lisbon, Portugal, 17 - 20 July 2012
- FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS, Workshop on Agent Based Computing: from Model to Implementation IX (ABC:MI), Wrocław, Poland, 9 - 12 September, 2012
- DIDINFO 2012, 18th National Conference on the Teaching of Informatics, March 28th – 30th, 2012, Faculty of Natural Sciences UMB, Banská Bystrica, <http://didinfo.umb.sk>
- 6th International KES Conference on Agents and Multi-agent Systems – Technologies and Applications, Dubrovnik, Croatia, 25-27 June 2012
- SERVICE COMPUTATION 2012, The Fourth International Conferences on Advanced Service Computing, 22-27, 2012 - Nice, France
- ICINCO - 9th International Conference on Informatics in Control, Automation and Robotics, Rome, Italy, 28-31 July 2012, <http://www.icinco.org>
- 6th International Symposium on Intelligent Distributed Computing - IDC 2012, September 24-26, 2012, Calabria, Italy, <http://idc2012.deis.unical.it/>
- 16th East-European Conference on Advances in Databases and Information Systems, ADBIS 2012, Poznan, Poland, September 18th - 23th, 2012.
- BCI 2012 - 5th Balkan Conference in Informatics, Novi Sad, Serbia, 16-20 September 2012 <http://perun.dmi.rs/bci2012>
- The 10th International Baltic Conference on Databases and Information Systems (BalticDB&IS 2012) will be held in Vilnius, Lithuania on July 8-11, 2012.
- WIMS 2012 - International Conference on Web Intelligence, Mining and Semantics, Craiova, Romania, JUNE 13-15, 2012.
- IADIS INTERNATIONAL CONFERENCE INFORMATION SYSTEMS 2012, March 10-12, 2012 - Berlin, Germany, (<http://www.is-conf.org/>)
- 4th International Workshop on Social and Personal Computing for Web-Supported Learning Communities - SPeL 2011, within The 10th International Conference on Web-based Learning (ICWL 2011), 8-10 December 2011, Hong Kong
- CSS 2011 – Collaboration, Software and Services in Information Society, 10-14 October 2011, Ljubljana, Slovenia.
- ICNAAM 2011 (International Conference of Numerical Analysis and Applied Mathematics), Symposium on Computer Languages, Implementations and Tools, SCLIT 2011, September 19 - 25, 2011, Kassandra, Halkidiki, Greece
- 8th workshop on "Agents for Complex Systems (ACSys-2011)", within 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC-2011), from September 26 to September 29, 2011, Timisoara, Romania (<http://synasc11.info.uvt.ro>)
- 15th International Conference on System Theory, Control and Computing: ICSTCC-2011, Special Session on Software Technologies for Intelligent Collaborative Systems: STIX, October 14-16, Sinaia, Romania, Program Co-Chair
- WASA 2011 - Workshop on Applications of Software Agents, July 3-5, 2011, Novi Sad, Serbia, Program Chair
- 15th International Conference on System Theory, Control and Computing – ICSTCC 2011, October 14-16, Sinaia, Romania, 2011.
- 5th IFIP TC2 Central and Eastern European Conference on Software Engineering Techniques (CEE-SET'2011), August 25-26, 2011, University of Debrecen, Hungary
- ICT Innovations 2011 Conference, September 14th – 16th, Skopje, FYROM

- 22nd EAEEIE (European Association for Education in Electrical and Information Engineering) Annual Conference, Maribor, Slovenia, 13th - 15th June 2011, <http://eaeie2011.uni-mb.si/>
- ABC:MI 2011, Workshop on Agent Based Computing: from Model to Implementation VIII (ABC:MI), Szczecin, Poland, September 19-21, 2011.
- SERVICE COMPUTATION 2011 - The Third International Conferences on Advanced Service Computing 2011, September 25-30, 2011 - Rome, Italy
- SCLIT 2011 - Symposium on Computer Languages, Implementations and Tools, within [ICNAAM 2011](#) (International Conference of Numerical Analysis and Applied Mathematics), September 19 - 25, 2011. Halkidiki, Greece
- ICIT'11 - *The 5th International Conference on Information Technology*, MAY 11 – 13, 2011, Amman/Jordan
- 3rd Workshop on Advances in Programming Languages (WAPL 2011), Within Federated Computer Science and Information Systems Conference (FedCSIS). Szczecin, Poland, 19-21 September, 2011.
- *CompSysTech'11* - International Conference On Computer Systems And Technologies, 16-17 June 2011, Vienna University of Technology, Vienna, Austria
- DIDINFO 2011, 17th National Conference on the Teaching of Informatics, April 7th – 8th, 2011, Faculty of Natural Sciences UMB, Banská Bystrica, <http://didinfo.umb.sk>
- 15th East-European Conference on Advances in Databases and Information Systems, ADBIS 2011, Vienna, Austria, September 19th - 24th, 2011.
- IADIS INTERNATIONAL CONFERENCE E-HEALTH 2011, Rome, Italy, 20- 22 July 2011
- IADIS INTERNATIONAL CONFERENCE E-LEARNING 2011, Rome, Italy, 20 - 23 July 2011, (<http://www.elearning-conf.org/>)
- IADIS INTERNATIONAL CONFERENCE INTELLIGENT SYSTEMS AND AGENTS 2011, Rome, Italy, 24 - 26 July 2011, (<http://www.isa-conf.org/>)
- IADIS Information Systems 2011 (IS 2011) Conference, March 11-13, 2011 - Avila, Spain, (<http://www.is-conf.org/>)
- ICINCO - 8th International Conference on Informatics in Control, Automation and Robotics, Noordwijkerhout, The Netherlands, 28-31 July, 2011.
- CSS 2010 – Collaboration, Software and Services in Information Society, 11-15 October 2010, Ljubljana, Slovenia.
- 5th International Symposium on Intelligent Distributed Computing -- IDC 2010, 5-7 October 2011 in Delft, The Netherlands.
- "ELEKTRONSKO UČENJE NA PUTU KA DRUŠTVU ZNANJA", Beograd, 7. oktobar 2010.
- ICT Innovations 2010 Conference, September 12th – 15th, Ohrid, FYROM
- 10th Conference Znalosti 2011, Kosice, 31.01.-02.02.2010, Slovakia, Pavol Jozef Šafárik University in Košice, Faculty of Science
- *CompSysTech'10* - International Conference On Computer Systems And Technologies, 17-18 June 2010 Bulgarian Academy of Sciences - Sofia
- DidInfo 2010 - 16th National Conference on Teaching of Informatics, 8-9.4.2010, Banska Bistrica, Slovakia.
- The Second International Conferences on Advanced Service Computing , SERVICE COMPUTATION 2010, November 21-26, 2010 - Lisbon, Portugal
- ICINCO - 7th International Conference on Informatics in Control, Automation and Robotics, Funchal, Madeira, Portugal, 15-18 June, 2010.
- IADIS International Conference e-Learning 2010 Freiburg, Germany, 26 - 29 July 2010
- IADIS International Conference e-Health 2010 Freiburg, Germany, 26 - 29 July 2010
- 19th International Conference on Information Systems Development (ISD2010), Prague, Czech Republic, August 25 - 27, 2010
- International Conference on Software Engineering Theory and Practice (SETP-10), July 12-14, 2010, Orlando, FL, USA, <http://www.PromoteResearch.org>.
- International Conference on Artificial Intelligence and Pattern Recognition (AIPR-10), July 12-14 2010, Orlando, FL, USA, <http://www.PromoteResearch.org>.
- 4th International Symposium on Intelligent Distributed Computing -- IDC 2010", 16-18 September 2010 in Tangier, Morocco
- Ninth International Baltic Conference on Databases and Information Systems, DBIS 2010, July 5-7, Riga, Latvia
- 9th Conference Znalosti 2010, Jindřichův Hradec, 3-5 February, 2010, Czech.
- 2nd International Conference on Defense of Spam in Electronic Communication - **DoSECo '10**, In conjunction with DEXA '10

- 4th South-Eastern European Workshop on Formal Methods, SEEFM'09, 4-5 December 2009, Thessaloniki, Greece
- CoRTA 2009 - Compilers, Programming Languages, Related Technologies and Applications, Lisbon, Portugal, 11-12 September 2009. <http://inforum.org.pt/INForum2009/sessoes/corta-2009>
- IWESA'09 Second International Workshop on Electronic Systems and Applications, Cairo, Egypt, December 2009. <http://www.ntms-conf.org/iiwesa2009/index.htm>
- SERVICE COMPUTATION 2009 - The First International Conferences on Advanced Service Computing, November 15-20, 2009 - Athens, Greece, <http://www.iaria.org/conferences2009/ComSERVICECOMPUTATION09.html>
- 13th East-European Conf. on Advances in Databases and Information systems, ADBIS 09, Riga Technical University, Latvia
- International Conference on Software Engineering Theory and Practice (SETP-09) , July 13-16 2009 in Orlando, FL, USA, <http://www.PromoteResearch.org>.
- International Conference on Artificial Intelligence and Pattern Recognition (AIPR-09), July 13-16 2009 in Orlando, FL, USA, <http://www.PromoteResearch.org>.
- ICIT'09, The 4th International Conference on Information Technology, JUNE 3rd – 5th , 2009, Amman/Jordan, <http://www.alzaytoonah.edu.jo/ICIT>
- 4th Balkan Conference in Informatics, BCI '09, 17-19 September, 2009, Thessaloniki, Greece, <http://www.bci-conferences.org/bci09>
- 18th International Conference on Information Systems Development (ISD2009), Nanchang, China, September 16-19, 2009, <http://sit.jxufe.edu.cn/isd2009/>
- 2nd Workshop on Advances in Programming Languages (WAPL'09), October 12-14, 2009, Mragowo, Poland
- IADIS International Conference e-Health 2009, Algarve, Portugal, 21 - 23 June 2009. <http://www.ehealth-conf.org/>
- INFORMATION SOCIETY 2009, Collaboration, software and services in information society, October 12th – 16th, 2009, Ljubljana, Slovenija.
- IADIS International Conference e-Learning 2009, Algarve, Portugal, 17 - 20 June 2009.
- 3rd International Symposium on Intelligent Distributed Computing -- IDC 2009" forthcoming on 12-14 September 2009 in Ayia Napa, Cyprus. The Web page presenting this event is: <http://www.idc2009.cs.ucy.ac.cy>
- DIDINFO 2009, 15th International Conference on Teaching of Informatics, March 25th - 27th, 2009, Banská Bystrica, Slovakia
- Conference Znalosti 2009, February 4-6, 2009, Faculty of Information Technology, BUT, Brno.
- 1st International Conference on Defense of Spam in Electronic Communication - DoSECo '09, In conjunction with DEXA '09
- MDSE 08 - Model-Driven Software Engineering, Berlin, (Co-Chair) 11-12 December, http://www.sig-mdse.org/web/cms/workshops/20081211_berlin/programmkomitee.html
- CSE'2008 – 8th International Scientific Conference on Computer Science and Engineering, September 24–26th 2008, High Tatras, Slovakia, <http://eci.kpi.fei.tuke.sk/?q=node/5>
- ICINCO 2008, 5th International Conference on Informatics in Control, Automation and Robotics, Funchal, Madeira, Portugal, 11-15 May 2008, <http://www.icinco.org/index.htm>.
- 17th International Conference on Information Systems Development (ISD2008), Paphos, Cyprus, August 25-27, 2008, <http://isd2008.cs.ucy.ac.cy/committee.html>.
- "2nd International Symposium on Intelligent Distributed Computing - IDC2008", 18-20 September 2008, in Catania, Italy. <http://idc08.diit.unict.it/>
- 8th Int. Baltic Conf. On Databases and Information systems, Estonia, 2008, June 2-5, 2008, Tallinn, Estonia, <http://www.cs.ioc.ee/balt2008/index.php?page=org>.
- 2008 International Conference on Artificial Intelligence and Pattern Recognition (AIPR-08), Orlando, USA, <http://www.promotersearch.org/2008/aipr/index.html>.
- Conference DidInfo 2008, 14th annual conference DidInfo, April 3rd and 4th , 2008, Banská Bystrica, Slovak Republic, <http://virtual.fpv.umb.sk/didinfo/view.php?cisloclanku=2007120101>.
- IADIS INTERNATIONAL CONFERENCE INFORMATION SYSTEMS 2008, April 9-11, 2008 – ALGARVE, PORTUGAL, <http://www.is-conf.org/>
 - *IADIS Multi Conference on Computer Science and Information Systems 2008 - "e-LEARNING – eL2008"*, Amsterdam, Holland, 22 – 27 July 2008, <http://www.mccsis.org/>.

- *IADIS Multi Conference on Computer Science and Information Systems 2008* - "Intelligent Systems and Agents - ISA2008)", Amsterdam, Holland, 22 – 27 July 2008, <http://www.mccsis.org/>.
- 3rd Balkan Conference in Informatics – 2007, Sofia, Bulgaria, 2007.
- 3rd South-East European Workshop on Formal Methods (SEEFM), 2007, Thessaloniki, Greece,
- *International Conference on Information Systems Development (ISD2007)*, Galway, Ireland
- *International Symposium on Intelligent and Distributed Computing – IDC'2007*, October 18-20, 2007, Craiova, Romania.
- *IADIS International Conference, Intelligent Systems and Agents, Lisbon, Portugal, 2007.*
- *IADIS Multi Conference on Computer Science and Information Systems 2007* - "e-LEARNING – eL2007)", Portugal, 2007.
- 10th Int. Conf. On information system implementation and modeling, ISIM 07, Czech Republic, 2007.
- *Int. Conference on Artificial Intelligence and Pattern Recognition (AIPR-07)*, Orlando, FL, USA
- 18th International Conference on Database and Expert Systems Application, DEXA 2007, Germany, 2007 • 7th Int. Baltic Conf. On Databases and Information systems, Lithuania, 2006.
- 9th Int. Conf. On information system implementation and modeling, ISIM 06, Czech Republic, 2006.
- *International Conference on Information Systems Development (ISD2006)*, Budapest, Hungary
- 9th East-European Conf. on Advances in Databases and Information system, ADBIS 05, Estonia, 2005.
- 2nd Balkan Conference in Informatics – 2005, Ohrid, Macedonia, November 17-19, 2005.
- 2st South-East European Workshop on Formal Methods (SEEFM), 2005, Ohrid, Macedonia, November 17-19.
- 8th Int. Conf. On information system implementation and modeling, Czech Republic, ISIM 05, 2005.
- 14th Int. Conf. on Information System Development, Karstad, Sweden, 2005.
- 13th Int. Conf. on information system development, Lithuania, 2004.
- 7th Int. Conf. On information system implementation and modeling, ISIM 04, Czech Republic, 2004.
- *Second National Conference on Teaching Informatics (NARA 2003)*, Novi Sad, 2003, chair.
- 6th Int. Conf. On information system implementation and modeling, Czech Republic, 2003.
- *First Balkan Conference on Informatics*, Thessaloniki, Greece, November 2003.
- *First South-East European Workshop on Formal Methods (SEEFM)*, , Thessaloniki, Greece, November 2003.
- *First Yugoslav Conference on Teaching Informatics (NARA 2002)*, Novi Sad, June 6-7, 2002, chair.
- *Conference on research on Multi-Agent Systems in Eastern Europe "CEEMAS '99"*, Sankt Petersburg, Russia, 1999, member.
- *Third International Conference on Theoretical Aspects of Computer Science "TARA 2000"*, Novi Sad, September 6-7, 2000, member.
- *Eighth International Conference on Logic and Computer Science "LIRA '97"*, Novi Sad, September 1-4, 1997, member.
- *Seventh Yugoslav Conference on Logic and Computer Science "LIRA '95" with International Participation*, Novi Sad, September 26-31 1995, member.
- *Sixth Yugoslav Conference on Logic and Computer Science "LIRA '92"*, Novi Sad, 1995, member.

Member of Steering Committees

- ADBIS - Advances in Databases and Information Systems for Central and South East Europe, since 2000.
- BCI – Balkan Conference in Informatics, since 2003.
- STEERING SCIENTIFIC COMMITTEE MEMBER of 3rd World Summit on the Knowledge Society (WSKS 2010), Corfu, Greece, September, 22-24, 2010

Member of

- Scientific Board of Republic Center for Talents, Belgrade, 1999.
- Matica Srpska, since 1995.
- Lexicographical and Bio-Bibliographical Committee of "Matica Srpska", Novi Sad, since 1995.

Professional Society Memberships

- EAPLS (European Association of Programming Languages and Systems), since 1997.
- ACM (Association of Computing Machinery), since 1988.

Programming Languages used for Teaching/Research

Java, Oberon-2, Modula-2, Pascal, LISP, PROLOG, major functional programming languages.

Practical Experience in Operating Systems and Hardware Architectures

- Personal Computers & Windows 95, Windows NT, Unix, MS-DOS
- Micro Computers & CP/M
- micro VAX II & VAX/VMS

Experience in Developing of Commercial Packages

- *Payroll, Accounting, General Ledger ...*, for a number of institutions, 1985-1992.
- *Information System for Science Funds and References*, for science fund of autonomous province of Vojvodina, 1991-1992.
- *Authoring System "OSOF"*, for Ministry of Education of AP Vojvodina, 1990.
- *Support for Biographic Glossary*, for Documentation Center of "Sterijino Pozorje" (Yugoslav Theater Museum), 1988 and Documentation Center of "Matica Srpska" (Historical Cultural Institution of Serbs), 1992, 1994.
- *Package for Statistics of Sport Events*, for Television of Novi Sad, 1988.
- *Support for Basketball Contests*, for European junior basketball championship held in Yugoslavia, 1988.
- *(a part of) Hotel Information System*, for a number of hotels in Novi Sad, 1986-87.
- *Tourist Office Information System*, for a number of tourist offices and organizations, 1986-87.

List of Publications Dr. Mirjana Ivanović

(December 29, 2020)

Introductions/Editorials to special sessions/issues of Journals

10. Johann Gamper, **Mirjana Ivanovic**, Robert Wrembel: Guest editorial: Advances in databases and information systems. *Comput. Sci. Inf. Syst.* 17(3) (2020)
9. Costin Badica, **Mirjana Ivanovic**, Yannis Manolopoulos, Riccardo Rosati, Paolo Torroni, Special Issue on Web Intelligence, Mining and Semantics, *Fundamenta Informaticae* 172, No. 3, (2020) i-ii, DOI 10.3233/FI-2020-1903, IOS Press
8. Manolopoulos, Y., **Ivanović, M.**, Akerkar, R.: GUEST EDITORIAL: Special Section on Web Intelligence, Mining and Semantics. *Computer Science and Information Systems*, Vol. 16, No. 2, iii-iv. (2019)
7. Yassine Ouhammou, Ladjel Bellatreche, **Mirjana Ivanovic**, Alberto Abelló: Model and data engineering for advanced data-intensive systems and applications. *Computing* 101(10): 1391-1395 (2019), DOI <https://doi.org/10.1007/s00607-019-00726-3>, Print ISSN 0010-485X
6. **Mirjana Ivanović**, Yannis Manolopoulos and Miloš Savić, Guest Editorial, *International Journal on Artificial Intelligence Tools*, World Scientific Publishing Company, Vol. 28, No. 06, 1902002 (3 pages), 2019, <https://doi.org/10.1142/S0218213019020020>, ISSN (print): 0218-2130 | ISSN (online): 1793-6349
5. Kjetil Nørvåg, **Mirjana Ivanovic**, Marite Kirikova, Bernhard Thalheim: Advances in Databases and Information Systems (ADBIS) 2016 & 2017. *Inf. Syst.* 82: 88-89 (2019)
4. Sergio Espana, **Mirjana Ivanović**, Selected Topics on Information Systems Engineering: Editorial Introduction to Issue 9 of CSIMQ: Editorial Introduction to Issue 9 of CSIMQ, *Complex Systems Informatics and Modeling Quarterly CSIMQ*, Issue 9, December 2016/January 2017, Pages I–II, <https://doi.org/10.7250/csimq.2016>, 9.00, ISSN: 2255-9922 online
3. Peter Forbrig, Sergio Espana, **Mirjana Ivanović**, Selected Topics on Managing Complexity and Information Systems Engineering: Editorial Introduction to Issue 8 of CSIMQ, *Complex Systems Informatics and Modeling Quarterly CSIMQ*, Issue 8, September/October 2016, Pages I-II,
2. Costin Badica, **Mirjana Ivanović**: Introduction to the Special Issue on Modeling and Simulation Applications of Software Agents. *Scalable Computing: Practice and Experience* 15(3) (2014), ISSN 1895-1767
1. Fei Yu, Chin-Chen Chang, Muhammad Khurram Khan, Tianjie Cao and **Mirjana Ivanović**, Special issue, "Recent Advances in Information Security" of *The Scientific World Journal*, vol. 2014, Article ID 562492, 4 pages, 2014. doi:10.1155/2014/562492, <http://www.hindawi.com/journals/tswj/2014/562492/>

Monographs

1. Budimac, Z. and **Ivanović, M.**, *Functional programming languages - from theory to implementation*, 2002.
2. Klašnja-Milićević A., Vesin B., **Ivanović M.**, Budimac Z., Jain L.C., *E-Learning Systems, Intelligent Techniques for Personalization*, *Intelligent Systems Reference Library*, Volume 112, Springer International Publishing, 2017, p.294, DOI 10.1007/978-3-319-41163-7, Print ISBN 978-3-319-41161-3
3. Milos Savic, **Mirjana Ivanovic**, Lakhmi C. Jain: *Complex Networks in Software, Knowledge, and Social Systems*. *Intelligent Systems Reference Library* 148, p. 317, Springer 2019, ISBN 978-3-319-91194-6

Edited books/Proceedings

1. Roland Petrasch, Florian Fieber, **Mirjana Ivanović**, Zoran Budimac, Dragan Macos, Nils Mitoussis [Hrsg.], Model Driven Software Engineering - Transformations and Tools, The 3rd workshop of the special Interest Group "Model Driven Software Engineering" (SIG MDSE) on Dec. 11-12, in Berlin Germany, Logos Verlag, Berlin, p. 132, 2009. ISBN 978-3-8325-2187-5
2. Zoran Budimac, **Mirjana Ivanović**: „Selected Topics on Software Engineering and Contemporary Software Technologies“, Editors, Faculty of Science, Novi Sad, 2008. p. 320. ISBN 978-86-7031-112-1.
3. Barbara Catania, **Mirjana Ivanović**, Bernhard Thalheim: Advances in Databases and Information Systems 14th East European Conference, ADBIS 2010, Novi Sad, Serbia, September 20-24, 2010. Proceedings, Lecture Notes in Computer Science, Springer – Verlag, Berlin Heidelberg, Volume 6295, 2011, ISBN 978-3-642-15575-8
4. **Mirjana Ivanović**, Bernhard Thalheim, Barbara Catania, Zoran Budimac: Advances in Databases and Information Systems, 14th East European Conference, ADBIS 2010, Novi Sad, Serbia, September 20-24, 2010. Local Proceedings, University of Novi Sad, 2010, CEUR Workshop Proceedings, Vol-639.
5. **Mirjana Ivanović**, Maria Ganzha, Marcin Paprzycki, Costin Badica, Proceedings of the Workshop on Applications of Software Agents - WASA 2011, ISBN 978-86-7031-188-6, pp. 52 - 58, 2011. <http://ceur-ws.org/Vol-752>
6. **Mirjana Ivanović**, Zoran Budimac, Milos Radovanović (Eds.): Balkan Conference in Informatics, 2012, BCI '12, Novi Sad, Serbia, September 16-20, 2012. [ACM 2012](#), isbn 978-1-4503-1240-0
7. Zoran Budimac, **Mirjana Ivanović**, Milos Radovanovic (Eds.): Local Proceedings of the Fifth Balkan Conference in Informatics, 2012, BCI '12, Novi Sad, Serbia, September 16-20, 2012. [CEUR Workshop Proceedings 920](#), [CEUR-WS.org 2012](#)
8. Catania B., **Ivanović M.**, Manolopoulos Y., Thalheim B., GUEST EDITORIAL PREFACE, Special Issue on ADBIS 2010:Advances in Databases and Information Systems, International Journal of Knowledge-Based Organizations, 3(4), October-December 2013, pp. v-vii.
9. **Mirjana Ivanović**, Lakhmi Jain (Editors), E-Learning Paradigms and Applications: Agent-based Approach, Series: [Studies in Computational Intelligence](#), Vol. 528, 2014, DOI: 10.1007/978-3-642-41965-2_1, Springer-Verlag Berlin Heidelberg 2014, ISBN 978-3-642-41965-2
10. Nick Bassiliades, **Mirjana Ivanovic**, Margita Kon-Popovska, Yannis Manolopoulos, Themis Palpanas, Goce Trajcevski, Athena Vakali, Selected papers of the 18th East European Conference on Advances in Databases and Information Systems and Associated Satellite Events, ADBIS 2014 Ohrid, Macedonia, September 7-10, 2014 Proceedings II, New Trends in Database and Information Systems II, Advances in Intelligent Systems and Computing Volume 312, Springer, 2015, ISBN: 978-3-319-10517-8 (Print) 978-3-319-10518-5 (Online), DOI 10.1007/978-3-319-10518-5
11. Amir Hussain, **Mirjana Ivanović**, Electronics, Communications and Networks IV, Volumen 1, June 4, 2015, CRC Press Taylor&Francis Group, p. 1500. 4th International Conference of Electronic, Communications and Networks (CECNet 2014, Beijing, China, 12-15 December 2014), <http://www.crcpress.com/product/isbn/9781138028302>
12. Sergio España, **Mirjana Ivanovic**, Milos Savic: Proceedings of the CAiSE'16 Forum, at the 28th International Conference on Advanced Information Systems Engineering (CAiSE 2016), Ljubljana, Slovenia, June 13-17, 2016. CEUR Workshop Proceedings 1612, [CEUR-WS.org 2016](#)
13. Jaroslav Pokorný, **Mirjana Ivanovic**, Bernhard Thalheim, Petr Saloun: Advances in Databases and Information Systems - 20th East European Conference, ADBIS 2016, Prague, Czech Republic, August 28-31, 2016, Proceedings. Lecture Notes in Computer Science 9809, Springer 2016, ISBN 978-3-319-44038-5
14. **Mirjana Ivanovic**, Bernhard Thalheim, Barbara Catania, Klaus-Dieter Schewe, Marite Kirikova, Petr Saloun, Ajantha Dahanayake, Tania Cerquitelli, Elena Baralis, Pietro Michiardi: New Trends in Databases and Information Systems - ADBIS 2016 Short Papers and Workshops, BigDap, DCSA, DC, Prague, Czech Republic, August 28-31, 2016, Proceedings. Communications in Computer and Information Science 637, Springer 2016, ISBN 978-3-319-44065-1
15. Chang, C.-C., Khan, M.K., **Ivanovic, M.**, Sun, D., Zhang, W., Message from the TrustWSN 2016 Workshop Chairs (Editorial), Joint 15th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, 10th IEEE International Conference on Big Data Science and Engineering and 14th IEEE International Symposium on Parallel and Distributed Processing with Applications, IEEE

- TrustCom/BigDataSE/ISPA 2016; Tianjin; China; 23 August 2016 through 26 August 2016; Category number E5930; Code 126375
16. Yassine Ouhammou, **Mirjana Ivanovic**, Alberto Abelló, Ladjel Bellatreche: Model and Data Engineering - 7th International Conference, MEDI 2017, Barcelona, Spain, October 4-6, 2017, Proceedings. Lecture Notes in Computer Science 10563, Springer 2017, ISBN 978-3-319-66853-6
 17. **Mirjana Ivanovic**, Costin Badica, Jürgen Dix, Zoran Jovanovic, Michele Malgeri, Milos Savic: Intelligent Distributed Computing XI - Proceedings of the 11th International Symposium on Intelligent Distributed Computing - IDC 2017, Belgrade, Serbia, October 11-13, 2017. Studies in Computational Intelligence 737, Springer 2018, ISBN 978-3-319-66378-4
 18. Rajendra Akerkar, **Mirjana Ivanovic**, Sang-Wook Kim, Yannis Manolopoulos, Riccardo Rosati, Milos Savic, Costin Badica, Milos Radovanovic: Proceedings of the 8th International Conference on Web Intelligence, Mining and Semantics, WIMS 2018, Novi Sad, Serbia, June 25-27, 2018. ACM 2018
 19. Tatjana Welzer, Johann Eder, Vili Podgorelec, Robert Wrembel, **Mirjana Ivanović**, Johann Gamper, Mikołaj Morzy, Theodoros Tzouramanis, Jérôme Darmont, Aida Kamišalić Latifić (Editors). New Trends in Databases and Information Systems, ADBIS 2019 Short Papers, Workshops BBIGAP, QAUCA, SemBDM, SIMPDA, M2P, MADEISD, and Doctoral Consortium, Bled, Slovenia, September 8–11, 2019, Proceedings, Communications in Computer and Information Science book series (CCIS, volume 1064), Springer.
 20. Igor V. Kotenko, Costin Badica, Vasily Desnitsky, Didier El Baz, **Mirjana Ivanovic**: Intelligent Distributed Computing XIII, 13th International Symposium on Intelligent Distributed Computing, IDC 2019, St. Petersburg, Russia, 7-9 October, 2019. Studies in Computational Intelligence 868, Springer 2020, ISBN 978-3-030-32257-1
 21. **Mirjana Ivanovic**, Tulay Yildirim, Goce Trajcevski, Costin Badica, Ladjel Bellatreche, Igor V. Kotenko, Amelia Badica, Burcu Erkmen, Milos Savic: Proceedings of International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2020, Novi Sad, Serbia, August 24-26, 2020. IEEE 2020, ISBN 978-1-7281-6799-2

Chapters in Books/Monographs

1. Xinogalos S., **Ivanović M.**, Savić M., Pitner T. (2020) Technology-Enhanced Learning in Programming Courses, Role of. In: Tatnall A. (eds) Encyclopedia of Education and Information Technologies. Springer Nature Switzerland, Cham, p. 11. DOI <https://doi.org/10.1007/978-3-319-60013-0>, ISBN 978-3-319-60013-0
2. Stelios Xinogalos, Tomáš Pitner, Miloš Savić, **Mirjana Ivanović**, First Programming Language in Introductory Programming Courses, Role of: A. Tatnall (ed.), Encyclopedia of Education and Information Technologies, Springer Nature Switzerland AG 2020, p. 11. https://doi.org/10.1007/978-3-319-60013-0_217-1, ISBN 978-3-319-60013-0
3. Tomašev N, Radovanović M., Mladenović D., **Ivanović M.**, Hubness-Based Clustering of High-Dimensional Data, Celebi, M. Emre (Ed.) Partitional Clustering Algorithms , Springer; 2015 edition (December 14, 2014) pp. 353-386.
4. **Ivanović M.**, Budimac Z., Putnik Z., Komlenov Ž., Encouraging Teamwork, Web 2.0 and Social Networking Elements in Distance Learning, (Eds. Liguó Yu) Overcoming Challenges in Software Engineering Education: Delivering Non-Technical Knowledge and Skills, IGI Global, Hershey, USA, pp. 71-90, 2014.
5. Vidaković M., **Ivanović M.**, Mitrović D., Budimac Z., Extensible Java EE-based Agent Framework - Past, Present, Future, Multiagent Systems & Applications, Vol. 45 of Intelligent Systems Reference Library, Springer-Verlag Berlin Heidelberg, ISBN 978-3-642-33322-4, pp. 55-88, 2013.
6. **Ivanović M.**, Putnik Z., Budimac Z.:” CHAPTER-32: eLEARNING IN SERBIA: The State and Development of E-Learning in Serbia”, E-Learning Practices - CASES ON CHALLENGES FACING E-LEARNING AND NATIONAL DEVELOPMENT: Institutional Studies and Practices, Editor Ugur DEMIRAY, Vol. 2, Anadolu University-2010 Eskisehir-Turkey, Electronic ISBN 978-975-98590-8-4 (1.c) 978-975-98590-7-7 (tk.), pp. 773-797.

Research Papers

I Research Papers published in International Journals

112. Bae, Duck-Ho, Jeong, Seo, Hong, Jiwon, Lee, Minsoo, **Ivanović, Mirjana**, Savić, Miloš, Kim, Sang-Wook, An Effective Approach to Outlier Detection Based on Centrality and Centre-Proximity, *Informatica*, vol. 31, no. 3, pp. 435-458, 2020, DOI: 10.15388/20-INFOR413

111. Sasa Pesic, Milos Radovanovic, **Mirjana Ivanovic**, Milenko Tosic, Ognjen Ikovic, Dragan Boskovic: Graph-based metadata modeling in indoor positioning systems. *Simul. Model. Pract. Theory* 105: 102140 (2020), <https://doi.org/10.1016/j.simpat.2020.102140>

110. Amelia Bădică, Costin Bădică, MariaGanzha, **Mirjana Ivanović**, Marcin Paprzycki: Optimal Semi-Competitive Intermediation Networks, *CYBERNETICS AND INFORMATION TECHNOLOGIES*, Volume 20, No 5, pp. 81-94, BULGARIAN ACADEMY OF SCIENCE, DOI: 10.2478/cait-2020-0042

109. Badica Amelia, Badica Costin, **Ivanovic Mirjana**, Block structured scheduling using constraint logic programming, *AI COMMUNICATIONS* 2020 33 (1):41-57

108. Zoran Bosnića, Brankica Bratić, **Mirjana Ivanović**, Marija Semnic, Iztok Oder, Vladimir Kurbalija, Tijana Vujanić Stankov, Vojislava Bugarski Ignjatović, Improving Alzheimer's disease classification by performing data fusion with vascular dementia and stroke data, *Journal of Experimental & Theoretical Artificial Intelligence*, <https://doi.org/10.1080/0952813X.2020.1818290>

107. Geler, Z., Kurbalija, V., Ivanović, M., Radovanović, M., Weighted k NN and Constrained Elastic Distances for Time-Series Classification, *Expert Systems with Applications* Vol. 162: 113829, (2020), doi: <https://doi.org/10.1016/j.eswa.2020.113829>

106. Saša Pešić, **Mirjana Ivanović**, Miloš Radovanović, Costin Badica, CAAVI-RICS Model for Observing the Security of Distributed IoT and Edge Computing Systems, *Simulation Modelling Practice and Theory*, 105: 102125 (2020), doi: <https://doi.org/10.1016/j.simpat.2020.102125>

105. Bratić, B., Triglianios, V., Kurbalija, V. Pautasso C., **Ivanović M.**, Role of interactive presentation platform ASQ in delivering web design course. *Smart Learn. Environ.* Vol. 7, paper 15 (2020). <https://doi.org/10.1186/s40561-020-00123-w>

104. Klasnja-Milicevic, A., **Ivanovic, M.**, & Stantic, B. (2020). Designing Personalized Learning Environments-The Role of Learning Analytics. *Vietnam Journal of Computer Science.* 7(3), pp. 231-250. <https://doi.org/10.1142/S219688882050013X>

103. Djordje Herceg, Davorka Radaković, **Mirjana Ivanović**, Dejana Herceg. Possible Improvements of Modern Dynamic Geometry Software. *Computer tools in education*, 2019. No. 2. pp. 72–86, DOI: <http://dx.doi.org/10.32603/2071-2340-2019-2-72-86>.

102. Milos Savic, Vladimir Kurbalija, Zoran Bosnic, **Mirjana Ivanovic**: Feature selection based on community detection in feature correlation networks. *Computing* 101(10): 1513-1538 (2019), <https://doi.org/10.1007/s00607-019-00705-8>, Print ISSN 0010-485X

101. Saša Pešić, Milenko Tošić, Ognjen Iković, Miloš Radovanović, **Mirjana Ivanović** and Dragan Bošković, BLEMAT: Data Analytics and Machine Learning for Smart Building Occupancy Detection and Prediction, *International Journal on Artificial Intelligence Tools*, Vol. 28, No. 6 (2019) 1960005 (29 pages), World Scientific Publishing Company, DOI: 10.1142/S0218213019600054, ISSN (print): 0218-2130 | ISSN (online): 1793-6349

100. Claudio Savaglio, Giancarlo Fortino, Maria Ganzha, Marcin Paprzycki, Costin Bădică, **Mirjana Ivanović**, Agent-based Internet of Things: State-of-the-art and research challenges, *Future Generation Computer Systems*, *Future Generation Comp. Syst.* 102: 1038-1053 (2020), <https://doi.org/10.1016/j.future.2019.09.016> (M21a)
99. **Mirjana Ivanović**, Aleksandra Klačnja Milićević, Big Data and Computational Intelligence, *Int. J. Embedded Systems*, 2019, Vol. 11, No. 5, pp.573–583.
98. Amelia Badica, Costin Badica, **Mirjana Ivanovic**, Doina Logofatu, Collective Profitability in Semi-Competitive Intermediation Networks, *Journal of Intelligent & Fuzzy Systems*, 37(6): 7357-7368 (2019), IOS Press. DOI: 10.3233/JIFS-179345
97. Costin Badica, Milan Vidaković, Sorin Ilie, **Mirjana Ivanović** and Jovana Vidaković, Role of Agent Middleware in Teaching Distributed Systems and Agent Technologies, *CIT. Journal of Computing and Information Technology*, Vol. 27, No. 1, March 2019, 25–42, doi: 10.20532/cit.2019.1004464
96. Ivan Srba, Milos Savic, Mária Bieliková, **Mirjana Ivanovic**, Cesare Pautasso: Employing community question answering for online discussions in university courses: Students' perspective. *Computers & Education* 135: 75-90 (2019)
95. Kurbalija, V., **Ivanović, M.**, Radovanović, M., Geler, Z., Dai, W., Zhao, W. Emotion Perception and Recognition: An Exploration of Cultural Differences and Similarities. *Cognitive Systems Research*, Vol. 52, December 2018, pp. 103-116. <https://doi.org/10.1016/j.cogsys.2018.06.009>
94. Brankica Bratić, Vladimir Kurbalija, **Mirjana Ivanović**, Iztok Oder, Zoran Bosnić, Machine Learning for Predicting Cognitive Diseases: Methods, Data Sources and Risk Factors, *Journal of Medical Systems*, 2018, 42(12), pp. 243:1-243:15, <https://doi.org/10.1007/s10916-018-1071-x>, Springer
93. Dejan Sredojević, Milan Vidaković & **Mirjana Ivanović** (2018) ALAS: agent-oriented domain-specific language for the development of intelligent distributed non-axiomatic reasoning agents, *Enterprise Information Systems*, Vol. 12, Issue 8-9, pp:1058-1082, 2018. DOI: [10.1080/17517575.2018.1482567](https://doi.org/10.1080/17517575.2018.1482567)
92. Klačnja-Milićević, A., **Ivanović, M.**, Learning Analytics – New Flavor and Benefits for Educational Environments, *Informatics in Education*, 2018, Vol. 17, No. 2, pp: 285-300, DOI: 10.15388/infedu.2018.15
91. **Mirjana Ivanović**, Jovana Ivković, Milan Vidaković, and Costin Bădică, Fault-Tolerance in XJAF Agent Middleware, *Trans. Computational Collective Intelligence* 30: 223-241 (2018), DOI: 10.1007/978-3-319-99810-7_11
90. Bădică A., Bădică C., **Ivanović M.**, Dănculescu D., Multi-agent modelling and simulation of graph-based predator–prey dynamic systems: A BDI approach, *Expert Systems: The Journal of Knowledge Engineering*, Volume 35, Issue 5, October 2018, John Wiley & Sons, <https://doi.org/10.1111/exsy.12263>, 2018.
89. Kurbalija, V., **Ivanović, M.**, Geler, Z., Radovanović, M. Two Faces of the Framework for Analysis and Prediction, Part 2 - Research. *Information Technology and Control*, 2018, 47(3), pp. 489-502 DOI 10.5755/j01.itc.47.3.18747
88. Miloš Savić, **Mirjana Ivanović**, Miloš Radovanović, Bojana Dimić Surla, Gender-Based Analysis of Intra-Institutional Research Productivity and Collaboration, *Fundamenta Informaticae* 162 (2018) 237–258, DOI 10.3233/FI-2018-1724, IOS Press
87. Kurbalija, V., **Ivanović, M.**, Geler, Z., Radovanović, M. Two Faces of the Framework for Analysis and Prediction, Part 1 - Education. *Information Technology and Control*, 2018, 47(2), 249–261. <http://dx.doi.org/10.5755/j01.itc.47.2.18746>

86. Aleksandra Klasnja-Milicevic, Boban Vesin, **Mirjana Ivanovic**: Social tagging strategy for enhancing e-learning experience. *Computers & Education*, Vol. 118, pp. 166-181 (2018), <https://doi.org/10.1016/j.compedu.2017.12.002>
85. Stelios Xinogalos, Tomáš Pitner, **Mirjana Ivanović**, Miloš Savić, Students' perspective on the first programming language: C-like or Pascal-like languages?, *Education and Information Technologies*, (2018) Vol. 23, pp. 287–302, DOI 10.1007/s10639-017-9601-6
84. Klašnja-Milićević, A., **Ivanović, M.**, Vesin, B., & Budimac, Z. (2017). Enhancing e-learning systems with personalized recommendation based on collaborative tagging techniques. *Applied Intelligence*, Vol. 48, No. 6: 1519-1535 (2018), DOI 10.1007/s10489-017-1051-8
83. Miloš Savić, **Mirjana Ivanović**, Miloš Radovanović: Analysis of high structural class coupling in object-oriented software systems. *Computing* 99(11): 1055-1079 (2017), [10.1007/s00607-017-0549-6](https://doi.org/10.1007/s00607-017-0549-6)
82. Kurbalija, V., **Ivanović, M.**, Ignjatovic, V. B., & Dinić, B. M. (2017). Personality Traits of Students of Helping and Non-Helping Professions: Case-Based Reasoning Approach. *International Journal of Quality Assurance in Engineering and Technology Education (IJQAETE)*, 6(1), 13-22. doi:10.4018/IJQAETE.2017010102
81. Klašnja-Milićević A., **Mirjana Ivanović**, Budimac. Z. *Data Science in Education: Big Data and Learning Analytics*, *Computer Applications in Engineering Education Journal*, 2017 Vol. 25 No. 6, pp. 1066-1078, DOI: 10.1002/cae.21844
80. **Mirjana Ivanović**, Milan Vidaković, Zoran Budimac, Dejan Mitrović: A scalable distributed architecture for client and server-side software agents. *Vietnam J. Computer Science* 4(2): 127-137 (2017)
79. **Ivanović Mirjana**, Stelios Xinogalos, Tomáš Pitner and Miloš Savić. Technology enhanced learning in programming courses – international perspective. *Education and Information Technologies*, New York, NY, USA: Springer US, Vol. 22, No. 6, 2017, pp. 2981-3003. ISSN 1360-2357. doi:10.1007/s10639-016-9565-y.
78. Putnik Z., Štajner-Papuga I., **Ivanović M.**, Budimac Z., Zdravkova K., Gender related correlations of computer science students, *Computers in Human Behavior*, Vol. 69, April 2017, pp. 91-97, ISSN: 0747-5632. <http://dx.doi.org/10.1016/j.chb.2016.12.009>
77. Blazheska-Tabakovska, N., **Ivanović M.**, Klašnja-Milićević A., Ivković J.: Comparison of E-Learning Personalization Systems: Protus and PLeMSys. *International Journal of Emerging Technologies in Learning*, Vol 12, No 01, pp. 57-70, 2017, ISSN 1863-0383, DOI: <http://dx.doi.org/10.3991/ijet.v12i01.6085>
76. **Ivanović Mirjana**, Budimac Zoran, Putnik Zoran, Komlenov Mudrinski Živana, “An Example of a Successful Inclusion of Teamwork and Web 2.0 Elements in Teaching Practice”, *International Journal of Quality Assurance in Engineering and Technology Education (IJQAETE)*, Vol. 5, Issue 3., 2016., pp. 16-31, DOI: 10.4018/IJQAETE.2016070102
75. Aleksić V., **Ivanović M.**, Early Adolescent Gender and Multiple Intelligences Profile as a Predictors of Digital Gameplay Preferences, *Croatian Journal of Education*, 19(3), pp. 697-727. 2017, ISSN: 1848-5197. doi: 10.15516/cje.v19i3.2262
74. Aleksić V., **Ivanović M.**, A Systematic Literature Review of Empirical Research on Effects of Digital Games on Learning Styles and Multiple Intelligences, *Croatian Journal of Education*, 19(2), 2017, pp. 511-562. doi: 10.15516/cje.v19i2.2060
73. Savić M., **Ivanović M.**, Dimić Surla B. "Analysis of intra-institutional research collaboration: a case of a Serbian faculty of sciences", *Scientometrics* 110(1): 195-216 (2017), doi: 10.1007/s11192-016-2167-z.

72. Dejan Mitrovic, **Mirjana Ivanovic**, Milan Vidakovic, Zoran Budimac: The Siebog multiagent middleware. Knowledge Based Systems, Volume 103, pp. 56-59 (Jul 2016), ISSN: 0950-7051, DOI: 10.1016/j.knosys.2016.03.017
71. Putnik Z., **Ivanović M.**, Budimac Z., Bothe K., Partial Solution for a Problem of Developing a Large Number of eLearning Resources, International Journal of Human Capital and Information Technology Professionals, Volume 7, Issue 3, July-September 2016, pp. 63- 75. DOI: 10.4018/IJHCITP.2016070105
70. Aleksić V., **Ivanović M.**, Introductory Programming Subject in European Higher Education, Informatics in Education Journal, 15(2), 2016, pp. 163-182. ISSN: 1648-5831. doi: 10.15388/infedu.2016.09
69. Dejan Mitrović, **Mirjana Ivanović**, Milan Vidaković, Zoran Budimac, Jovana Vidaković, Siebog: an Enterprise-Scale Multiagent Middleware, INFORMATION TECHNOLOGY AND CONTROL JOURNAL, Vol. 45, Nr. 2, pp. 164-174, 2016. DOI: <http://dx.doi.org/10.5755/joi.itc.45.2.12621>
68. Dejan Mitrović, **Mirjana Ivanović**, Rafael H. Bordini, Costin Badica, “Jason Interpreter, Enterprise Edition”, Informatica An International Journal of Computing and Informatics, Vol 40, No 1, pp. 19-27 (2016)
67. Geler Z., Kurbalija V., Radovanović M., and **Ivanović M.**, Comparison of different weighting schemes for the kNN classifier on time-series data, Knowledge and Information Systems (KAIS) Journal, Vol. 48, No. 2, pp. 331-378, Springer, 2016, DOI 10.1007/s10115-015-0881-0.
66. Aleksić V., **Ivanović M.**, Psychometric evaluation of the reliability of IPVIS-OS multiple intelligences assessment instrument for early adolescents, Journal of Educational Sciences & Psychology, Vol. VI (LXVIII), No. 1/2016, pp. 21-34, <http://jesp.upg-ploiesti.ro/> ISSN 2247-6377, ISSN (online) 2247 – 8558
65. Mandić M., Konjović Z., **Ivanović M.**, Platform for Computer-aided Harmonization of Informatics Curricula, Acta Polytechnica Hungarica, ISSN 1785-8860, Volume 13, Issue Number 3, 2016, pp. 159-179. DOI: 10.12700/APH.13.3.2016.3.9
64. **Ivanović M.**, Budimac Z., Radovanović M., Kurbalija V., Dai W., Bădică C., Colhon M., Ninković S., Mitrović D.: Emotional Agents – State of the Art and Applications. Computer Science and Information Systems Vol 12, No. 4, pp. 1121-1148, 2015., DOI: [10.2298/CSIS141026047I](http://dx.doi.org/10.2298/CSIS141026047I)
63. Zhou X., Dai G., Huang S., Sun X., Hu F., Hu H., **Ivanović M.**, CyberPsychological Computation on Social Community of Ubiquitous Learning, Computational Intelligence and Neuroscience, vol. 2015, Article ID 812650, 7 pages, 812650:1-812650:7 (2015). doi:10.1155/2015/812650, <http://www.hindawi.com/journals/cin/aa/812650/>.
62. Klačnja-Milićević A., **Ivanović M.**, Nanopoulos A., Recommender systems in e-learning environments: a survey of the state-of-the-art and possible extensions, Artificial Intelligence Review, Vol. 44., No. 4, pp. 571-604 (2015), (DOI) 10.1007/S10462-015-9440-Z, <http://link.springer.com/article/10.1007/s10462-015-9440-z>
61. S. Huang, X. Zhou, K. Xue, X. Wan, Z. Yang, D. Xu, **M. Ivanović**, X. Yu: Neural Cognition and Affective Computing on Cyber Language, Computational Intelligence and Neuroscience, Volume 2015 (2015), Article ID 749326, 10 pages - 749326:1-749326:10. <http://dx.doi.org/10.1155/2015/749326>
60. **M. Ivanović**, Budimac Z.: Agreements Technologies - Towards Sophisticated Software Agents in Multi-agent Environments. T. Computational Collective Intelligence Vol. 18, pp. 105-126 (2015)
59. Radovanović M., Nanopoulos A., **Ivanović M.**: Reverse Nearest Neighbors in Unsupervised Distance-Based Outlier Detection. IEEE Trans. Knowl. Data Eng. 27(5): 1369-1382 (2015). DOI: [10.1109/TKDE.2014.2365790](http://dx.doi.org/10.1109/TKDE.2014.2365790)
58. **Ivanović M.**, Mitrović D., Budimac Z., Jerinić L., Bădică C., HAPA: Harvester and Pedagogical Agents in E-learning Environments, International Journal of Computers Communications & Control, Volume 10, Issue 2, April, 2015, pp. 200-210. ISSN 1841-9836

57. Dai W. H., Huang S., Zhou X., Yu X. E., **Ivanović M.**, Xu D. R., "Emotional Intelligence System for Ubiquitous Smart Foreign Language Education Based on Neural Mechanism," *Journal of Information Technology Applications and Management*, Vol.21, No.3, pp.65-77, 2014, <http://www.dbpia.co.kr/Journal/ArticleList/159833>.

56. **Ivanović M.**, Radovanović M., Current Trends in Computer Science and Information Systems, *COMPUTER SCIENCE AND INFORMATION SYSTEMS 2014 11 (2):I-V*

55. Stephanie Steinmetz, Ana Slavec, Kea Tijdens, Ulf-Dietrich Reips, Pablo de Pedraza, Andreas Birgegard, Annamaria Bianchi, Ariel Ayalon, Arto Selkala, Bernardo (Dov) Winer, Boris Mlacic, Carl Vogel, Dag Gravem, Daniel Gayo Avello, Daniela Constantin, Daniele Toninelli, David Troitino, Dora Horvath, Edith De Leeuw, Ela Oren, Enrique Fernandez-Macias, Fanney Thorsdottir, Félix Ortega, Frederik Funke, Gian Marco Campagnolo, Goran Milas, Grünwald, Clemens, Gudbjorg Jonsdottir, Gustav Haraldsen, Guy Doron, Helen Margetts, Igor Miklousic, Ioannis Andreadis, Jernej Berzelak, Julijana Angelovska, Karin Schrittwieser, Kathrin Kissau, Katja Lozar Manfreda, Kirstine Kolsrud, Knut Kalgraff Skjak, Konstantinos Tsagarakis, Lars Kaczmirek, Laurent Lesnard, Liliana Mihaela Moga, Luis Lopes Teixeira, Marc Plate, Marcin Kozak, Marek Fuchs, Mario Callegaro, Marta Cantijoch, Martin Kahanec, Mateusz Stopa, Michele Ernst Staehli, Mihaela Neculita, **Mirjana Ivanovic**, Muriel Foulonneau, Naoufel Cheikhrouhou, Nicoletta Fornara, Niels Ole Finnemann, Nino Zajc, Nora Nyirå, Panayiotis Louca, Paulien Osse, Petroula Mavrikiou, Rachel Gibson, Ravi Vatrapu, Reuven Dar, Robert Pinter, Rocio Martinez Torres, Salima Douhou, Silvia Biffignandi, Solza Grceva, Sophie David, Suvi Ronkainen, Tamas Csordas, Timo Lenzner, Vaka Vesteynsdottir, Vasja Vehovar, Yavor Markov, Innovation and quality in web-based data collection, *International Journal of Internet Science*, 2014, 9 (1), pp. 64-71.

54. Kurbalija, V., Radovanović M., **Ivanović M.**, Schmidt D., Lindemann G., Burkhard H.D., Hinrichs C., Time-Series Analysis in the Medical Domain: A Study of Tacrolimus Administration and Influence on Kidney Graft Function, *Computers in Biology and Medicine*, Volume 50, 1 July 2014, pp. 19–31.

53. Savić M., Rakić, G., Budimac, Z., **Ivanović M.**, "A language-independent approach to the extraction of dependencies between source code entities", *Information and Software Technology*, Volume 56, Issue 10, October 2014, pages 1268–1288, DOI 10.1016/j.infsof.2014.04.011

52. Savić M., **Ivanović M.**, Radovanović M., Ognjanović Z., Pejović A., Jakšić Krüger T., "The structure and evolution of scientific collaboration in Serbian mathematical journals", *Scientometrics* Volume 101, Issue 3, December 2014, pp. 1805-1830, DOI: 10.1007/s11192-014-1295-6.

51. **Ivanović M.**, Budimac Z., An Overview of Ontologies and Data Resources in Medical Domains, *Expert Systems with Applications*, *Expert Systems With Applications* 41/11, September 2014, pp. 5158-5166 DOI 10.1016/j.eswa.2014.02.045.

50. Budimac Z., Putnik Z., **Ivanović M.**, Bothe K., Zdravkova K., Jakimovski B., Multi-Country Experience in delivering a Joint Course on Software Engineering – Numerical Results, *The International Review of Research in Open and Distance Learning* Vol. 15, No. 1, Febr. 2014, pp. 84-110.

49. Mitrović D., **Ivanović M.**, Budimac Z., Vidaković M., Radigost: Interoperable web-based multi-agent platform, *Journal of Systems and Software*, 90:167-178, April 2014, DOI: 10.1016/j.jss.2013.12.029.

48. Mitrović D., **Ivanović M.**, Geler Z., Agent-Based Distributed Computing for Dynamic Networks, *INFORMATION TECHNOLOGY AND CONTROL*, 2014, T. 43, Nr. 1, pp. 88-97, ISSN 1392–124X (print), ISSN 2335–884X (online)

47. Kurbalija V., Radovanović M., Geler Z. and **Ivanović M.**, The influence of global constraints on similarity measures, *Knowledge-Based Systems*, Volume 56, January 2014, pp. 49–67, DOI: 10.1016/j.knosys.2013.10.021, <http://www.sciencedirect.com/science/article/pii/S095070511300347X>

46. Tomašev N, Radovanović M., Mladenović D., **Ivanović M.**, The Role of Hubness in Clustering High-Dimensional Data, *IEEE Transactions on Knowledge and Data Engineering* Vol. 26, No. 3, pp. 739-751 (2014)

45. Tomašev N, Radovanović M., Mladenčić D., **Ivanović M.**, Hubness-based fuzzy measures for high-dimensional k -nearest neighbor classification, *International Journal of Machine Learning and Cybernetics*, 5(3):445–458, 2014, DOI 10.1007/s13042-012-0137-1
44. Kurbalija V., Bernstorff C., Nachtwei J., **Ivanović M.**, Burkhard H.D., Matching observed with empirical reality - What you see is what you get?, *Fundamenta Informaticae Journal* 129 (2014) 133–147, IOS Press, DOI 10.3233/FI-2013-965
43. **Ivanović M.**, Budimac Z., Mishev A., Bothe K., Jurca I., Java across Different Curricula, Courses and Countries Using a Common Pool of Teaching Material, *Informatics in Education Journal*, Vol. 12, No. 2, 2013, pp. 153-179, ISSN 1648-5831
42. **Ivanović M.**, Mitrović D., and Radovanović M.: (2013) Elective Course OOP II: Creation and Experiences. *Innovation in Teaching and Learning in Information and Computer Sciences* 12(1), 62-69. DOI: 10.11120/ital.2013.00003
41. Vesin, B., **Ivanović, M.**, Klačnja-Milićević, A., Budimac, Z.: Ontology-Based Architecture with Recommendation Strategy in Java Tutoring System. *Computer Science and Information Systems Journal*, Vol. 10, No. 1, 237-261. (2013)
40. **Ivanović M.**, Putnik Z., Komlenov Ž., Welzer T., Hölbl M, Schweighofer T., Usability and Privacy Aspects of Moodle: Students' and Teachers' Perspective, *Informatica - An International Journal of Computing and Informatics*, Volume 37, Number 3, 2013, pp. 221-230. ISSN: 0350-5596.
39. Mitrović, D., **Ivanović, M.**, Budimac, Z., Vidaković, M.: Supporting heterogeneous agent mobility with ALAS. *Computer Science and Information Systems*, Vol. 9, No. 3, pp. 1203-1230. (2012)
38. Vesin B., **Ivanović M.**, Klačnja-Milićević A., Budimac Z., Protus 2.0: Ontology-based semantic recommendation in programming tutoring system, *Expert Systems with Applications*, Volume 39, Number 15, November 2012, pp. 12229-12246
37. Budimac, Z., Putnik, Z., **Ivanović M.**, Bothe, K.: “A View on a Successful International Educational Project in Software Engineering”, *e-Informatica Software Engineering Journal*, Vol. 6, Issue 1, pp. 47-59, 2012, DOI: 10.5277/e-Inf120104, <http://www.e-informatyka.pl/wiki/e-Informatica> ISBN 978-83-7493-305-6
36. Vesin B., Klačnja-Milićević A., **Ivanović M.**, Budimac Z., Applying Recommender Systems and Adaptive Hypermedia for e-Learning Personalization, *Computing and Informatics*, Vol 32, No 3, 2013, pp. 629-659.
35. Komlenov Ž., Budimac Z., Putnik Z., **Ivanović M.**, Wiki as a Tool of Choice for Students' Team Assignments, *International Journal of Information Systems and Social Change (IJSSC)*, ISSN: 1941-868X,, Vol. 4, No. 3, pp. 1-16, July-September 2013.
34. Zdravkova K., **Ivanović M.**, Putnik Z., Experience of Integrating Web 2.0 Technologies, *Educational Technology Research and Development*: Volume 60, Issue 2 (2012), pp. 361-381.
33. Mitrović D., Budimac Z., **Ivanović M.**, Vidaković M., Agent-Based Approaches to Managing Fault-Tolerant Networks of Distributed Multi-Agent Systems, *MAGS - Multiagent and Grid Systems*, IOS Press, DOI 10.3233/MGS-2011-0176, Vol. 7, No. 6, pp. 203-218, 2011.

32. **Ivanović M.**, Xinogalos S., Komlenov Z.: Usage of Technology Enhanced Educational Tools for Delivering Programming Courses, *International Journal of Emerging Technologies in Learning - iJET* Vol. 6, No. 4, pp. 23-30, 2011.
31. Badica C., Budimac Z., Burkhard D., **Ivanović M.**, *Software Agents: Languages, Tools, Platforms, ComSIS Journal*, Vol. 8, No. 2, May 2011, pp. 255-298.
30. **Ivanović M.**, Putnik, Z., Sisarica, A., Budimac, Z.: "The IT Gender Gap: Experience, Motivation and Differences in Undergraduate Studies of Computer Science", *The Turkish Online Journal of Distance Education – TOJDE*, April 2011, Vol. 12, Nr. 2, Article 12, <http://tojde.anadolu.edu.tr/tojde42/>, 2011
29. Klačnja-Milićević A., Vesin B., **Ivanović M.** and Budimac Z., E-Learning Personalization Based on Hybrid Recommendation Strategy and Learning Style identification, *Computers & Education, Elsevier Ltd, Volume 56, Issue 3, April 2011, Pages 885-899.*
28. **Ivanović M.**, Pitner T., Technology-enhanced learning for Java programming: Duo cum faciunt idem, non est idem, *ACM Inroads, Volume 2 Issue 1, March 2011, pp. 55-63*
27. Budimac Z., Putnik Z., **Ivanović M.**, Bothe K., Schuetzler K.: "On the Assessment and Self-Assessment in a Students Teamwork Based Course on Software Engineering" *Computer Applications in Engineering Education, Volume 19, Issue 1, Wiley Periodicals, Inc., Mach 2011, pp. 1-9.*
26. Janković Z., **Ivanović M.**, Budimac Z., Possibilities for Functional Improvement of B2B Systems on Serbian Market, *Acta Electrotechnica et Informatica, Volume 11, Number 1 / 2011, pp. 3-13*
25. Savić M., **Ivanović M.**, Radovanović M., Characteristics of Class Collaboration Networks in Large Java Software Projects, *Information Technology and Control Journal, Vol.40, No.1, 2011, pp. 48-58.*
24. Pešović D., Vidaković M., **Ivanović M.**, Budimac Z. and Vidaković J., Usage of Agents in Document Management, *ComSIS Journal, Vol. 8, No. 1, January 2011, pp. 193-210.*
23. Klačnja-Milićević A., Vesin B., **Ivanović M.** and Budimac Z., Integration of Recommendations and Adaptive Hypermedia into Java Tutoring System, *ComSIS Journal, Vol. 8, No. 1, January 2011, pp. 211-224.*
22. Radovanović M., Nanopoulos A., **Ivanović M.**, Hubs in Space: Popular Nearest Neighbors in High-Dimensional Data, *The Journal of Machine Learning Research (JMLR), Volume 11, September 2010, pp. 2487–2531.*
21. **Ivanović M.**, Putnik Z., Sisarica A., Budimac Z.: A Note on Performance and Satisfaction of Female Students Studying Computer Science, *ITALICS Journal, Volume 9 Issue 1, February 2010, pp.32-41.*
20. Komlenov, Ž., Budimac, Z., **Ivanović M.**, Introducing Adaptivity Features to a Regular Learning Management System to Support Creation of Advanced eLessons, *Informatics in Education Journal, Vol. 9, No. 1, 2010, pp. 63-80.*
19. Klačnja-Milićević A., Nanopoulos A., **Ivanović M.**, Social Tagging in Recommender Systems: A Survey of the State-of-the-Art and Possible Extensions, *Artificial Intelligence Review 33(3): 187-209 (2010).*
18. Putnik Z., **Ivanović M.**, Budimac Z., A Practical Model for Conversion of Existing Teaching Resources into Learning Objects, *MASAUM Journal of Computing, Volume 1 Issue 2, September 2009, pp. 205-214.*
17. Pribela I., **Ivanović M.**, Budimac Z., Svetovid – interactive development and submission system with prevention of academic collusion in computer programming, *British Journal of Educational Technology, Volume 40, Issue 6, 2009, pp. 1076 - 1093*

16. Bothe K., Budimac Z., Cortazar R., **Ivanović M.**, Zedan H., Development of a Modern Curriculum in Software Engineering at Master Level across Countries, *Computer Science and Information Systems*, Volume 6, Number. 1, June 2009, pp. 1-21.
15. Dražić G., Dobrić D., Radovanović M., **Ivanović M.**, Reference extraction and coauthorship visualization of semi-structured bibliographic data. *ANNALES UNIVERSITATIS SCIENTIARUM DE ROLANDO EÖTVÖS NOMINATAE Sectio Computatorica*, (Annales Univ. Sci. Budapest., Sect. Comp). 31 (2009) 43-56
14. Radovanović M., **Ivanović M.**, Budimac Z., Text Categorization and Sorting of Web Search Results, *COMPUTING AND INFORMATICS*, Vol. 28, No.6, pp. 861-893, 2009.
13. Kurbalija V., **Ivanović M.**, Budimac Z., Case-based curve behavior prediction, *Software: Practice and Experience*, Volume 39, Issue 1, Pages 81-103, January 2009, John Wiley & Sons, Ltd.
12. Tošić S., Radovanović M., **Ivanović M.**, APP: Agent Planning Package, *SCALABLE COMPUTING: PRACTICE AND EXPERIENCE*, Volume 9, Number 1, 2008, pp. 39–49. <http://www.scpe.org>. ISSN 1895-1767, 2008.
11. Vesin B., **Ivanović M.**, Budimac Z., Learning Management System for Programming in Java, *ANNALES UNIVERSITATIS SCIENTIARUM DE ROLANDO EÖTVÖS NOMINATAE Sectio Computatorica*, (Annales Univ. Sci. Budapest.), Sect. Comp. 31 (2009) 75-92.
10. Budimac Z., Putnik Z., **Ivanović M.**, Bothe K., Schuetzler K.: “Conducting a Joint Course on Software Engineering Based on Students Teamwork”, “Informatics in Education” Journal Vol. 7, No. 1, 2008 (on March-April), pp. 17-30.
9. Bađonski, M., **Ivanović, M.**, and Budimac, Z., Adaptable Java Agents (AJA) - a Tool for Programming of Multi-Agent Systems, *SIGPLAN Notices*, vol. 40(2), Feb. 2005, 17-26.
8. Kurbalija, V. and **Ivanović, M.**, Case Based Reasoning - A powerful artificial intelligence approach, *Journal of Electrical Engineering* 53 (2002) 12, pp. 20-23.
7. **Ivanović, M.** and Kunčak., Numerical Representations as Purely Functional Data Structures: A New Approach, *Informatica* 13 (2002) 1, 1 - 14 (publisher: Lithuanian Academy of Sciences, Vilnius, Lithuania).
6. Bađonski, M. and **Ivanović, M.**, A Multi-Agent System for the Determination of Optimal Hybrids in Crop Production. *Computer and Electronics in Agriculture* 25 (2000) 3, 233 - 243 (publisher: Elsevier, Amsterdam, the Netherlands).
5. Blažević, M., Budimac, Z., and **Ivanović, M.**, Theoretical Foundations of an Environment-Based Multiparadigm Language. *Informatica* 11 (2000) 1, 3 - 14 (publisher: Lithuanian Academy of Sciences, Vilnius, Lithuania).
4. Bađonski, M., **Ivanović, M.**, and Budimac, Z., Agent-Oriented Programming Language *LASS*. In *Proc. of COTSR '98* (Oxford, England), chapter in a book of “Object-oriented technology and computing systems re-engineering”: Edited by H. Zedan and A. Cau. Horwood Publishing, Chichester. (2000). 197 pages.
3. **Ivanović, M.** and Budimac, Z., A Definition of an ISWIM-like Language via Scheme, *SIGPLAN Notices* 28 (1993) 4, 29 - 38.
2. Putnik, Z., Budimac, Z. and **Ivanović, M.**, Turtle Walk Through Functional Language, *SIGPLAN Notices* 26 (1991) 2, 75 - 82.
1. **Ivanović, M.** and Budimac, Z., Involving Coroutines in Interaction between Functional and Conventional Language, *SIGPLAN Notices* 25 (1990) 11, 65 - 74.

II Research Papers published in Yugoslav International Journals

17. Budimac, Z. Putnik, Z., Ivanović M., Bothe K., Transnational Cooperation in Higher Education in Balkan Countries, *NOVI SAD JOURNAL OF MATHEMATICS - NSJOM*, Vol. 43, No. 1, pp. 167-177, 2013.
16. M. Radovanović and **M. Ivanović**. Text mining: Approaches and applications. *Novi Sad Journal of Mathematics J. Math*, Vol. 38, No. 3, 2008, pp. 227-234
15. **Ivanović M.**, Pribela I., Vesin B., Budimac Z, Multifunctional Environment for E-Learning Purposes, *Novi Sad J. Math*, Vol. 38, No. 2, 2008, pp. 153-170.
14. Radovanović M., **Ivanović M.**, "Document representations for classification of short web-page descriptions", *YUJOR* Vol.18 No.1., 2008, pp. 123-138.
13. Radovanović M., Ferlež J., Mladenich D., Grobelnik M., and **Ivanović M.**, Mining and Visualizing Scientific Publication Data from Vojvodina, *Novi Sad J. Math*. Vol. 37, No. 2, 2007, pp. 161-180
12. Budimac Z., Pešović D., **Ivanović M.**, Ibrajter N.: Lessons Learned from an Implementation of a Workflow Management System Using Mobile Agents, *Novi Sad J. Math* 36 (2006), pp. 65-79.
11. Kurbalija, V., **Ivanović, M.**, Case-based generator for intelligent systems, *Novi Sad J. Math*, vol. 35, no. 1, pp. 25-40, 2005. (Publisher: Faculty of Science, University of Novi Sad, Novi Sad).
10. **Ivanović, M.** and Kunčak, V., Numerical Representations as Purely Functional Data Structures, *Novi Sad J. Math* 31 (2001) 1, 141-149 (Publisher: Faculty of Science, University of Novi Sad, Novi Sad).
9. Popović, A. and **Ivanović, M.**, A Truly Polymorphic Number Class Hierarchy, *Novi Sad J. Math* 30 (2000) 3, 123-130 (Publisher: Faculty of Science, University of Novi Sad, Novi Sad).
8. **Ivanović, M.** and Kunčak, V., Modular language Specifications in Haskell. In *Proc. of TARA 2000* (Novi Sad, Yugoslavia), Budimac, Z. and Tošić, R., eds., Novi Sad J. Math vol. 30, no. 2, Novi Sad 2000, pp. 19 -27.
7. Bađonski, M. and **Ivanović, M.**, AJA - Adaptable Java Agents. In *Proc. of TARA 2000* (Novi Sad, Yugoslavia), Budimac, Z. and Tošić, R., eds., Novi Sad J. Math vol. 30, no. 2, Novi Sad 2000, pp. 1 -10.
6. Blažević, M., Budimac, Z, and **Ivanović, M.**, Formal Specification of a Graph Rewriting System with Environments. *Proc. of VIII Int. Conf. "Algebra & Logic"* (Novi Sad, Yugoslavia), eds. Crvenković, S. and Dolinka, I., *Novi Sad J. Math* 29 (1999) 2, 13-27.
5. Bađonski, M., **Ivanović, M.**, and Budimac, Z., An Approach to Agent Implementation Using Java, *Novi Sad J. Math* 28 (1998) 2, 187-205 (Publisher: Faculty of Science, University of Novi Sad, Novi Sad).
4. **Ivanović, M.**, Towards Intelligent Tutoring Systems Using *Less*, *FILOMAT* (Niš) 11 (1997) pp. 119-134, 1997.
3. **Ivanović, M.**, An Object-Oriented Hypertext Shell, *Novi Sad J. Math*. (1996) vol. 26, no. 1, pp. 135-153.
2. Vukelić, T. and **Ivanović, M.**, Usage of S-Expressions and Predicate Expressions in Procedural Programming Languages, *FILOMAT* (Niš) 9:2(1995), 315-324.
1. **Ivanović, M.**, Živkov, S. and Budimac, Z., On Transformation of Context Free Grammars into a Form Suitable for Use in Compiler Generators, *Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat.* 22, 1 (1992), 179-193, 1992.

III Research Papers published in National Journals

8. Putnik Z., Budimac Z., **Ivanović, M.**, Искуства и позитивни ефекти дугогодишњег успешног међународног образовног пројекта, Experiences and Positive Effects of a Longlasting Successful International Educational Project, *Info M* 45/2013, pp. 4-10, ISSN: 1451-4397, UDC 378.014.24:005.963(4), <http://www.infom.org.rs/> (in Serbian).
7. **Ivanović, M.**, Intelligent Systems in Sports, *Sport Mont*, Montenegrin Sport Academy, 4(2004), 50-62, (in Serbian).
6. Kurbalija, V., **Ivanović, M.**, Budimac, Z., CBR - Case Based Reasoning, *Info-M* 5(2003), 14-19, (in Serbian).
5. Živkov, S., Budimac, Z., and **Ivanović, M.**, Functional Programming Language ISWIM/NS, *Info-Science* 1/97 (1997) 1, 40 - 49, (in Serbian).
4. **Ivanović, M.**, Complete Syntax Definitions of Pascal Statements and Calls of Standard Procedures READ and WRITE, *Informatica*, Slovenia, 14 (1990) 1, 70 - 73.
3. Jerinić, Lj., Budimac, Z., Paunić, Đ. and **Ivanović, M.**, An Application of Knowledge Engineering Methods in Computer Aided Instruction, *Informatica*, Slovenia, 13 (1989) 4, 69 - 71, (in Serbian).
2. **Ivanović, M.** and Budimac, Z., Automatic Translation of EBNF Grammar Rules into BNF ones, *Informatica*, Slovenia, 12 (1988) 4, 49 - 54.
1. **Ivanović, M.** and Budimac, Z., The Grammar of Typed Pascal Expressions, *Informatika* 20 (1986) 3, Serbia, 153 - 160, (in Serbian).

IV Papers published in Proceedings of International Conferences

266. **Mirjana Ivanovic**, Igor Balaz: Influence of Artificial Intelligence on Personalized Medical Predictions, Interventions and Quality of Life Issues. ICSTCC 2020 - 24th International Conference on System Theory, Control and Computing, ICSTCC 2020, Sinaia, Romania, October 8-10, 2020. IEEE 2020, ISBN 978-1-7281-9809-5: 445-450 (Invited paper)
265. Sasa Pestic, Milos Radovanovic, **Mirjana Ivanovic**: An MQTT-based Resource Management Framework for Edge Computing Systems. International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2020, Novi Sad, Serbia, August 24-26, 2020. IEEE 2020, pp. 1-7, ISBN 978-1-7281-6799-2
264. Zoltan Geler, Vladimir Kurbalija, **Mirjana Ivanovic**, *Milos Radovanovic*: Time-Series Classification with Constrained DTW Distance and Inverse-Square Weighted k-NN. International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2020, Novi Sad, Serbia, August 24-26, 2020. IEEE 2020, pp. 1-7, ISBN 978-1-7281-6799-2
263. Apiola Mikko, Laakso Mikko-Jussi, **Ivanovic Mirjana**. (2021) Enhancing Learning Opportunities for CS: Experiences from Two Learning Systems. In: Kubincová Z., Lancia L., Popescu E., Nakayama M., Scarano V., Gil A. (eds) Methodologies and Intelligent Systems for Technology Enhanced Learning, 10th International Conference. Workshops. MIS4TEL 2020. Advances in Intelligent Systems and Computing, vol 1236. Springer, Cham. https://doi.org/10.1007/978-3-030-52287-2_19, ISBN 978-3-030-52286-5, pp. 187–196, 2021.
262. Costin Bădică, Amelia Bădică, **Mirjana Ivanović**, Ionut Dorinel Murarețu, Dana Popescu, Cristinel Ungureanu (2020) On the Role of Python in Programming-Related Courses for Computer Science and Engineering Academic Education. In: Rocha Á., Adeli H., Reis L., Costanzo S., Orovic I., Moreira F. (eds) Trends and Innovations in Information Systems and Technologies. WorldCIST 2020. Advances in Intelligent Systems and Computing, vol 1161. pp.192-202, Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-45697-9_19
261. Sasa Pestic, Milos Radovanovic, **Mirjana Ivanovic**, Costin Badica, Milenko Tosic, Ognjen Ikovic, Dragan Boskovic: CAAVI-RICS Model for Analyzing the Security of Fog Computing Systems: Authentication. - 20th

International Conference on Parallel and Distributed Computing, Applications and Technologies, PDCAT 2019, Gold Coast, Australia, December 5-7, 2019. pp. 226-231, IEEE 2019, ISBN 978-1-7281-2616-6

260. **Mirjana Ivanovic**, Amelia Badica, Maria Ganzha, Marcin Paprzycki, Costin Badica, Aleksandra Klasnja-Milicevic: On Measuring Learning Success of Students with Disabilities in Virtual Environments, Proceedings of the Eighth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, SQAMIA 2019, Ohrid, North Macedonia, September 22-25, 2019. CEUR Workshop Proceedings 2508, CEUR-WS.org 2019

259. Sasa Pesic, Milos Radovanovic, **Mirjana Ivanovic**, Milenko Tosic, Ognjen Ikovic, Dragan Boskovic: Hyperledger Fabric Blockchain as a Service for the IoT: Proof of Concept. Model and Data Engineering - 9th International Conference, MEDI 2019, Toulouse, France, October 28-31, 2019, Proceedings. Lecture Notes in Computer Science 11815, Springer 2019, ISBN 978-3-030-32064-5: pp. 172-183, DOI: [10.1007/978-3-030-32065-2_12](https://doi.org/10.1007/978-3-030-32065-2_12)

258. Amelia Badica, Costin Badica, **Mirjana Ivanovic**, Doina Logofatu: Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming. Intelligent Distributed Computing XIII, 13th International Symposium on Intelligent Distributed Computing, IDC 2019, St. Petersburg, Russia, 7-9 October, 2019. Studies in Computational Intelligence 868, Springer 2020, pp: 149-159, ISBN 978-3-030-32257-1

257. Sasa Pesic, Milos Radovanovic, **Mirjana Ivanovic**, Costin Badica, Milenko Tosic, Ognjen Ikovic, Dragan Boskovic: CAAVI-RICS Model for Analyzing the Security of Fog Computing Systems. Intelligent Distributed Computing XIII, 13th International Symposium on Intelligent Distributed Computing, IDC 2019, St. Petersburg, Russia, 7-9 October, 2019. Studies in Computational Intelligence 868, Springer 2020, pp: 23-34, ISBN 978-3-030-32257-1

256. Arkadiusz Załuski, Maria Ganzha, Marcin Paprzycki, Costin Badica, Amelia Badica, **Mirjana Ivanovic**, Stefka Fidanova, Ivan Lirkov, Experimenting with facilitating collaborative travel Recommendations, Proceedings of 23rd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, October 9-11, 2019., pp. 260-265, DOI: [10.1109/ICSTCC.2019.8885795](https://doi.org/10.1109/ICSTCC.2019.8885795)

255. Saša Pešić, Milenko Tošić, Ognjen Iković, Miloš Radovanović, **Mirjana Ivanović**, and Dragan Bošković. 2019. GEMAT - Internet of Things Solution for Indoor Security Geofencing. In *9th Balkan Conference in Informatics (BCI'19), September 26–28, 2019, Sofia, Bulgaria*. ACM 2019, New York, NY, USA, ISBN 978-1-4503-7193-3, pp. 12:1-12:8. <https://doi.org/10.1145/3351556.3351558>

254. Nevena Ranković, **Mirjana Ivanović**, Miloš Savić, Elinda Kajo Mece, Asya Stoyanova-Doycheva, and Dragica Ranković. 2019. Female students' attitude towards studying informatics and expectations for future career - Balkan case. In *Proceedings of 9th Balkan Conference In Informatics (BCI'19)*. ACM 2019, New York, NY, USA, ISBN 978-1-4503-7193-3, pp. 16:1-16:7. <https://doi.org/10.1145/3351556.3351571>

253. Zoltan Geler, Vladimir Kurbalija, **Mirjana Ivanovic**, Milos Radovanovic, Weihui Dai: Dynamic Time Warping: Itakura vs Sakoe-Chiba, In: 2019 IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), IEEE, 2019, DOI: 10.1109/INISTA.2019.8778300.

252. Amelia Bădică, Costin Bădică, Ion Buligiu, Liviu Ion Ciora, Maria Ganzha, **Mirjana Ivanović**, Marcin Paprzycki, Optimizing Nash Social Welfare in Semi-Competitive Intermediation Networks, In: 2019 IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), IEEE, 2019, DOI: 10.1109/INISTA.2019.8778270

251. Aleksandra Klasnja-Milićević, Nevena Ranković and **Mirjana Ivanović**, INTEGRATION OF „BUSINESS INTELLIGENCE“ COURSE TO MASTER ACADEMIC STUDIES IN INFORMATICS, 20-th International Conference on Computer Systems and Technologies, CompSysTech'19, 21-22 June 2019, University of Ruse, Bulgaria, ACM Proceedings ISBN 978-1-4503-7149-0, pp. 308-315, Best paper award in Educatinal section of the Conference.

250. Saša Pešić, **Mirjana Ivanović**, Miloš Radovanović, Milenko Tošić, Ognjen Iković and Dragan Bosković, Conceptualizing a collaboration framework between Blockchain technology and the Internet of Things, 20-th International Conference on Computer Systems and Technologies, CompSysTech'19, 21-22 June 2019, University of Ruse, Bulgaria, ACM Proceedings ISBN 978-1-4503-7149-0, pp. 56-61
249. Milan Vidaković, **Mirjana Ivanović**, Jovana Vidaković, Increasing agent mobility in Siebog Agent Middleware, ICIST 2019 - 9th International Conference on Information Society and Technology, Kopaonik, Serbia on Mar 10-13, 2019.
248. Amelia Badica, Costin Badica, Ion Buligiu, **Mirjana Ivanovic**, Maria Ganzha, Marcin Paprzycki: On Software Complexity of Agent-Oriented Logic Programs: an Empirical Analysis. Proceedings of the Seventh Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, SQAMIA 2018, Novi Sad, Serbia, August 27-30, 2018. [CEUR Workshop Proceedings](#) 2217, CEUR-WS.org 2018
247. **Mirjana Ivanovic**, Aleksandra Klasnja-Milicevic, Maria Ganzha, Amelia Badica, Marcin Paprzycki, Costin Badica: Usability and Quality Parameters for E-Learning Environments and Systems. Proceedings of the Seventh Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, SQAMIA 2018, Novi Sad, Serbia, August 27-30, 2018. [CEUR Workshop Proceedings](#) 2217, CEUR-WS.org 2018
246. Nevena Rankovic, **Mirjana Ivanovic**: Risk Analysis Tools for Managing Software Projects. Proceedings of the Seventh Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, SQAMIA 2018, Novi Sad, Serbia, August 27-30, 2018. [CEUR Workshop Proceedings](#) 2217, CEUR-WS.org 2018
245. Vidaković, M., **Ivanović, M.**, Stantić D., Vidaković, J., How Research Achievements Can Influence Delivering of a Course - Siebog Agent Middleware Springer International Publishing AG, part of Springer Nature 2019, G. Jezic et al. (Eds.): KES-AMSTA-18, 2018, SIST 96, pp. 110–120, 2019. https://doi.org/10.1007/978-3-319-92031-3_11
244. **Mirjana Ivanović**, Marija Semnic, The Role of Agent Technologies in Personalized Medicine, In proceedings of 5th International Conference on Systems and Informatics (ICSAI 2018), 10-12 November, 2018, Nanjing, China. <http://www.icsai.org.cn/keynotes.aspx>, IEEE Proceedings of the ICSAI 2018, pp. 299-304. Keynote paper. DOI: [10.1109/ICSAI.2018.8599421](https://doi.org/10.1109/ICSAI.2018.8599421)
243. Jakub Fijałkowski, Maria Ganzha, Marcin Paprzycki, Stefka Fidanova, Ivan Lirkov, Costin Badica and **Mirjana Ivanovic**, Mining Smartphone Generated Data for User Action Recognition – Preliminary Assessment, Tenth Jubilee Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences, Albena, Bulgaria, June 20-25, 2018, AIP Conference Proceedings **2025**, 090001 (2018); pp. 090001-1–090001-18 <https://doi.org/10.1063/1.5064928>
242. Rafał Szczekutek, Maria Ganzha, Marcin Paprzycki, Stefka Fidanova, Ivan Lirkov, Costin Badica and **Mirjana Ivanovic**, System for semantic technology-based access management in a port terminal, Tenth Jubilee Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences, Albena, Bulgaria, June 20-25, 2018, AIP Conference Proceedings **2025**, 090002 (2018); pp. 090002-1–090002-7 <https://doi.org/10.1063/1.5064929>
241. Aleksandra Klasnja-Milićević, Zoran Maroš, **Mirjana Ivanović**, Ninoslava Savić, and Boban Vesin, The Future of Learning Multisensory Experiences: Visual, Audio, Smell and Taste Senses, T. Di Mascio et al. (Eds.): 8th MIS4TEL 2018 - Methodologies and Intelligent Systems for Technology Enhanced Learning; Series: Advances in Intelligent Systems and Computing, Vol. 804, pp. 213-221, 2019. Springer
240. Amelia Badica, Costin Badica, **Mirjana Ivanovic**, Doina Logofatu: Collective Profitability of DAG-Based Selling-Buying Intermediation Processes. IDC 2018 – Intelligent Distributed Computing XII, 12th International Symposium on Intelligent Distributed Computing, IDC 2018, Bilbao, Spain, 15-17 October 2018. Studies in Computational Intelligence 798, Springer 2018, pp. 414-424, ISBN

239. Milos Savic, **Mirjana Ivanovic**, Analysis of enriched scientific collaboration networks, US – Serbia & West Balkan Data Science Workshop, Belgrade, 26-28 August 2018. p.1, poster paper.
238. **Mirjana Ivanović**, Aleksandra Klačnja Milićević, Veljko Aleksić, Brankica Bratić, Milinko Mandić, Experiences and perspectives of Technology-enhanced learning and teaching in higher education – Serbian case, Proc. of 22nd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (Edited by Robert J. Howlett, Carlos Toro, Yulia Hicks, Lakhmi C. Jain), Belgrade 3-5 September, 2018, Procedia Computer Science 126 (2018) 1351–1359.
237. Aleksandra Klačnja-Milicevic, **Mirjana Ivanovic**, Learning Analytics in Education: Objectives, Application Possibilities and Challenges, Proceedings of Constructionism 2018 Conference, 20-25 August, Vilnius, Lithuania, 2018, pp. 615-621
236. Sasa Pesic, Milenko Tosic, Ognjen Ikovic, Milos Radovanovic, **Mirjana Ivanovic**, Dragan Boskovic: Bluetooth Low Energy Microlocation Asset Tracking (BLEMAT) in a Context-Aware Fog Computing System. Proceedings of the 8th International Conference on Web Intelligence, Mining and Semantics, WIMS 2018, Novi Sad, Serbia, June 25-27, 2018. ACM 2018: 23:1-23:11
235. Boban Vesin, Aleksandra Klačnja-Milicevic, Katerina Mangaroska, **Mirjana Ivanovic**, Rodi Jolak, Dave R. Stikkolorum, Michel Chaudron: Web-based educational ecosystem for automatization of teaching process and assessment of students. Proceedings of the 8th International Conference on Web Intelligence, Mining and Semantics, WIMS 2018, Novi Sad, Serbia, June 25-27, 2018. ACM 2018: 33:1-33:9
234. Marko Hölbl, Luka Hrgarek, **Mirjana Ivanovic**, Tatjana Welzer, Milan Vidakovic: Introducing Public-Key infrastructure for SiebogJS JavaScript-based Agent Middleware. Proceedings of the 8th International Conference on Web Intelligence, Mining and Semantics, WIMS 2018, Novi Sad, Serbia, June 25-27, 2018. ACM 2018, pp. 45:1-45:6
233. Aleksandra Aleksić, **Mirjana Ivanovic**, Marko Hölbl, Tatjana Welzer, Milan Vidakovic: Adding security to the JavaScript-based agent middleware SiebogJS. 41st International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2018, Opatija, Croatia, May 21-25, 2018. IEEE 2018, pp. 462-466, ISBN 978-953-233-095-3
232. Claudio Savaglio, Giancarlo Fortino, Maria Ganzha, Marcin Paprzycki, Costin Badica, **Mirjana Ivanović**: Agent-Based Computing in the Internet of Things: A Survey. - Intelligent Distributed Computing XI - Proceedings of the 11th International Symposium on Intelligent Distributed Computing - IDC 2017, Belgrade, Serbia, October 11-13, 2017. Studies in Computational Intelligence 737, Springer 2018, ISBN 978-3-319-66378-4, pp. 307-320
231. Saša Pešić, Milenko Tošić, Ognjen Iković, **Mirjana Ivanović**, Miloš Radovanović, Dragan Boskovic: Context Aware Resource and Service Provisioning Management in Fog Computing Systems. IDC 2017 - Intelligent Distributed Computing XI - Proceedings of the 11th International Symposium on Intelligent Distributed Computing - IDC 2017, Belgrade, Serbia, October 11-13, 2017. Studies in Computational Intelligence 737, Springer 2018, ISBN 978-3-319-66378-4, pp. 213-223
230. Kaja Zupanc, Miloš Savić, Zoran Bosnić, **Mirjana Ivanović**: Evaluating Coherence of Essays using Sentence-similarity Networks., Proceedings of the 18th International Conference on Computer Systems and Technologies, CompSysTech 2017, Ruse, Bulgaria, June 23-24, 2017. ACM 2017, ISBN 978-1-4503-5234-5: pp. 65-72
229. Amelia Badica, Costin Badica, **Mirjana Ivanovic**, Doina Logofatu, A CLP Approach for Solving the Maximum Clique Problem: Benefits and Limits. In: Marius Kloetzer and Lavinia Ferariu (Eds.): 21st International Conference on System Theory, Control and Computing (ICSTCC) 2017, pp.618-622 (613-617), 978-1-5386-3842-2/17/ IEEE, 2017
228. Sylwia Nowak, Maria Ganzha, Marcin Paprzycki, Costin Badica, **Mirjana Ivanovic**, Sabin Simionescu: Agent-based system for highway gasoline price negotiations. BCI 2017 - Proceedings of the 8th Balkan Conference

in Informatics, BCI 2017, Skopje, Macedonia, September 20 - 23, 2017. ACM 2017, ISBN 978-1-4503-5285-7, pp. 24:1-24:8

227. **Mirjana Ivanovic**, Aleksandra Klasnja-Milicevic, Jovana Ivkovic, Marco Porta: Integration of Eye Tracking Technologies and Methods in an E-learning System. BCI 2017 - Proceedings of the 8th Balkan Conference in Informatics, BCI 2017, Skopje, Macedonia, September 20 - 23, 2017. ACM 2017, ISBN 978-1-4503-5285-7, pp. 29:1-29:4

226. **Mirjana Ivanovic**, Amelia Badica, Maria Ganzha, Costin Badica, Marcin Paprzycki: Improvement of Requirements Engineering Course - Medical Software Case Study. SQAMIA 2017: Proceedings of the Sixth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, Belgrade, Serbia, September 11-13, 2017. CEUR Workshop Proceedings 1938, CEUR-WS.org 2017, pp.4:1-4:9

225. **Mirjana Ivanovic**, Jovana Ivkovic, Costin Badica: Role of Non-Axiomatic Logic in a Distributed Reasoning Environment. Computational Collective Intelligence - 9th International Conference, ICCCI 2017, Nicosia, Cyprus, September 27-29, 2017, Proceedings, Part I. Lecture Notes in Computer Science 10448, Springer 2017, ISBN 978-3-319-67073-7, pp. 381-388

224. Milos Savic, Vladimir Kurbalija, **Mirjana Ivanovic**, Zoran Bosnic: A Feature Selection Method Based on Feature Correlation Networks. MEDI 2017- Model and Data Engineering - 7th International Conference, MEDI 2017, Barcelona, Spain, October 4-6, 2017, Proceedings. Lecture Notes in Computer Science 10563, Springer 2017, ISBN 978-3-319-66853-6, pp. 248-261

223. **Mirjana Ivanović**, Srđan Ninković, Personalized HealthCare and Agent Technologies, 11th KES International Symposium on Agent and Multi-Agent Systems: Technologies and Applications, Vilamoura, Portugal, 21-23 June, 2017, Springer proceedings, pp. 3-11. Keynote speech.

222. Milos Savic, **Mirjana Ivanovic**, Zoran Putnik, Kemal Tütüncü, Zoran Budimac, Stoyanka Smrikarova, Angel Smrikarov: Analysis of ERASMUS staff and student mobility network within a big European project. 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017, Opatija, Croatia, May 22-26, 2017. IEEE 2017, ISBN 978-953-233-090-8, pp. 613-618

221. Silvija Tapiska, Milena Kresoja, Zoran Putnik, **Mirjana Ivanovic**: Excessive Internet use among elementary school students in Vojvodina. 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017, Opatija, Croatia, May 22-26, 2017. IEEE 2017, ISBN 978-953-233-090-8, pp. 901-904

220. Aleksandar Kaplar, Milan Vidakovic, Nikola Luburic, **Mirjana Ivanovic**: Improving a distributed agent-based Ant Colony Optimization for Solving Traveling Salesman Problem. 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017, Opatija, Croatia, May 22-26, 2017. IEEE 2017, ISBN 978-953-233-090-8, pp. 1144-1148

219. Aleksić, V., **Ivanović, M.** Digital Gameplay Habits and Multiple Intelligences Profile of Early Adolescents Living in Rural Areas. *Proceedings of IEEE 17th International Conference on Advanced Learning Technologies – ICALT 2017*, Timisoara, Romania, IEEE Computer Society Order Number E6112, 3-7th July, 2017, pp. 119-122. ISSN: 2161-377X. doi: 10.1109/ICALT.2017.35

218. Sredojević, D., Vidaković, M., **Ivanović, M.**, Mitrović, D. Extension of Agent-oriented Domain-specific language ALAS as a support to Distributed Non-Axiomatic Reasoning. In: Zdravković, M., Konjović, Z., Trajanović, M. (Eds.) 7th International Conference on Information Society and Technology - ICIST 2017 Proceedings Vol.2, pp.368-372, 2017

217. Veljko Aleksić, **Mirjana Ivanović**, Zoran Budimac, Elvira Popescu: Commercial Off-the-Shelf Games as Learning Media. CompSysTech 2016, Proceedings of the 17th International Conference on Computer Systems and

Technologies, CompSysTech 2016, Palermo, Italy, June 23-24, 2016. ACM 2016, ISBN 978-1-4503-4182-0, pp. 355-360

2016. Miloš Savić, **Mirjana Ivanović**, Miloš Radovanović, Zoran Budimac: Modula-2 versus Java as the first programming language: Evaluation of students' performance. CompSysTech 2016, Proceedings of the 17th International Conference on Computer Systems and Technologies, CompSysTech 2016, Palermo, Italy, June 23-24, 2016. ACM 2016, ISBN 978-1-4503-4182-0, pp. 415-422

215. Aleksandra Klačnja-Milićević, **Mirjana Ivanović**, Marco Porta and Virginio Cantoni, Eye-tracking Techniques and Methods - Important Trends in e-Learning Environments, International Conference on e-Learning, e-Learning'16, Bratislava, Slovakia, 2016, pp. 182-189. Best paper award.

214. Badica, Amelia, Costin Badica, Marius Brezovan, and **Mirjana Ivanović**. "Simulation of Dynamic Systems Using BDI Agents: Initial Steps." In Intelligent Distributed Computing X: Proceedings of the 10th International Symposium on Intelligent Distributed Computing—IDC 2016, Paris, France, October 10-12 2016, vol. 678, pp. 23-33, Springer, 2016. ISBN 978-3-319-48829-5, DOI: 10.1007/978-3-319-48829-5_3

213. Elvira Popescu, Constantin Stefan, Sorin Ilie, **Mirjana Ivanović**: "EduNotes - A Mobile Learning Application for Collaborative Note-Taking in Lecture Settings", ICWL 2016 15th International Conference on Web-based Learning, Rome, Italy, LNCS 10013 (Advances in Web-Based Learning)—ISBN 978-3-319-47439-7, 2016, pp. 131-140, DOI: 10.1007/978-3-319-47440-3_15

212. Vesin Boban., Klačnja-Milićević Aleksandra., **Ivanović Mirjana.**, Protus 2.1: Applying Collaborative Tagging for Providing Recommendation in Programming Tutoring System, ICWL 2016 15th International Conference on Web-based Learning, Rome, Italy, LNCS 10013 (Advances in Web-Based Learning)—ISBN 978-3-319-47439-7, 2016, pp. 236-245.

211. **Mirjana Ivanovic**, Jovana Ivkovic, Milan Vidakovic, Nikola Luburic, Costin Badica: Fault-Tolerance in XJAF Agent Middleware. Eds. Ngoc Thanh Nguyen, Yannis Manolopoulos, Lazaros S. Iliadis, Bogdan Trawinski: Computational Collective Intelligence - 8th International Conference, ICCCI 2016, Halkidiki, Greece, September 28-30, 2016, Proceedings, Part II. Lecture Notes in Computer Science 9876, Springer 2016, ISBN 978-3-319-45245-6, 2016: 25-34

210. Amelia Badica, Costin Badica, **Mirjana Ivanovic**, Ionut Buligiu: Collective Profitability and Welfare in Selling-Buying Intermediation Processes. Eds. Ngoc Thanh Nguyen, Yannis Manolopoulos, Lazaros S. Iliadis, Bogdan Trawinski: Computational Collective Intelligence - 8th International Conference, ICCCI 2016, Halkidiki, Greece, September 28-30, 2016, Proceedings, Part II. Lecture Notes in Computer Science 9876, Springer 2016, ISBN 978-3-319-45245-6, 2016: 14-24, Best paper award. DOI: 10.1007/978-3-319-45246-3_2

209. Silvija Tapiška, Milena Kresoja, Zoran Putnik, **Mirjana Ivanović**, What Deters Primary School Teachers From Using ICT?, SISY 2016 - IEEE 14th International Symposium on Intelligent Systems and Informatics, August 29-31, 2016, Subotica, Serbia, pp. 193-198. ISSN: 1949-0488, DOI: [10.1109/SISY.2016.7601496](https://doi.org/10.1109/SISY.2016.7601496)

208. **Mirjana Ivanović**, Marcin Paprzycki, Maria Ganzha, Costin Badica, Amelia Badica: Software Metrics for Agent Technologies and Possible Educational Usage. In. Editors: Zoran Budimac, Zoltán Horváth, Tamás Kozsik: Proceedings of the SQAMIA 2016 - Fifth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, Budapest, Hungary, August 29-31, 2016. CEUR Workshop Proceedings 1677, CEUR-WS.org 2016, pp. 17-27

207. Savić M., **Ivanović M.**, Radovanović M., Dimić Surla B.: Towards Culture-Sensitive Extensions of CRISs: Gender-Based Researcher Evaluation. In: Editors: Ladjel Bellatreche, Oscar Pastor, Jesús M. Almendros-Jiménez, Yamine Aït Ameer: Model and Data Engineering - 6th International Conference, MEDI 2016, Almería, Spain, September 21-23, 2016, Proceedings. Lecture Notes in Computer Science 9893, Springer 2016, ISBN 978-3-319-45546-4, pp. 332-345

206. Wasielewska K., Ganzha M., Paprzycki M., Badica C., **Ivanović M.** and Lirkov I., Fidanova S. Agents in Grid extended to Clouds, APPLICATION OF MATHEMATICS IN TECHNICAL AND NATURAL SCIENCES: 8th International Conference for Promoting the Application of Mathematics in Technical and Natural Sciences-AMiTaNS'16, Albena, Bulgaria, June 22-27, 2016, AIP Conf. Proc. 1773, pp. 070002-1 - 070002-9. <http://doi.org/10.1063/1.4964984>
205. Z. Putnik, **M. Ivanović**, Z. Budimac, K. Bothe, Teaching "Ten Commandments" of Software Engineering, MIPRO 2016 - 39th international convention on information and communication technology, electronics and microelectronics, May 30 - June 03, 2016, Opatija, Croatia, pp. 682-687. DOI: [10.1109/MIPRO.2016.7522227](https://doi.org/10.1109/MIPRO.2016.7522227)
204. Boban Vesin, Aleksandra Klačnja-Milićević, **Mirjana Ivanović**, Application of Semantic Web Technologies to Facilitate Use of E-Learning System on Mobile Devices. In KES Smart Education and e-Learning 2016, Springer International Publishing, pp. 473-484, 2016.
203. Miloš Savić, **Mirjana Ivanović**, Zoran Budimac, and Miloš Radovanović, Do students' programming skills depend on programming language?, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2015 (ICNAAM-2015), No. 1738, pp. 240006-1 to 240006-4 (2016); doi: 10.1063/1.4952025
202. Dejan Sredojević, Milan Vidaković, Dušan Okanović, Dejan Mitrović, and **Mirjana Ivanović**, Conversion of the agent-oriented domain-specific language ALAS into JavaScript, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2015 (ICNAAM-2015), No. 1738, pp. 240007-1 to 240007-4 (2016); doi: 10.1063/1.4952026
201. Miloš Savić, **Mirjana Ivanović**, and Bojana Dimić Surla, A community detection technique for research collaboration networks based on frequent collaborators cores. Proceedings of the 31st Annual ACM Symposium on Applied Computing, Pisa, Italy, April 4-8, 2016. ACM 2016, New York, NY, USA, 2016, 1090-1095. ISBN 978-1-4503-3739-7, DOI=<http://dx.doi.org/10.1145/2851613.2851809>
200. Amelia Badica, Costin Badica, Maria Ganzha, **Mirjana Ivanovic**, Marcin Paprzycki: Experiments with Multiple BDI Agents with Dynamic Learning Capabilities. PAAMS (Workshops) 2016: 274-286 (Javier Bajo, Maria José Escalona, Sylvain Giroux, Patrycja Hoffa-Dabrowska, Vicente Julián, Paulo Novais, Nayat Sánchez Pi, Rainer Unland, Ricardo Azambuja Silveira: Highlights of Practical Applications of Scalable Multi-Agent Systems. The PAAMS Collection - International Workshops of PAAMS 2016, Sevilla, Spain, June 1-3, 2016. Proceedings. Communications in Computer and Information Science 616, Springer 2016, ISBN 978-3-319-39386-5) DOI: 10.1007/978-3-319-39387-2_23
199. Welzer T., Družovec M., Nemeč Zlatolas ., Hölbl M., Jaakkola H., **Ivanović, M.**, Radovanović M.: Introducing cultural issues and cultural awareness in conceptual modelling education. EJC 2015, Frontiers in Artificial Intelligence and Applications, Volume 280: Information Modelling and Knowledge Bases XXVII, pp. 314-320, DOI: 10.3233/978-1-61499-611-8-314
198. **Ivanović M.**, Budimac Z., Radovanović M., Savić M.. Does the choice of the first programming language influence students' grades?. Proceedings of the 16th International Conference on Computer Systems and Technologies, CompSysTech'15, June 25-26, Dublin, Ireland, ACM International Conference Proceeding Series, Vol. 1008, ACM Inc., N.Y. USA, Pages 305-312, doi>[10.1145/2812428.2812448](https://doi.org/10.1145/2812428.2812448)
197. Wasielewska K., Ganzha M., Paprzycki M., Badica C., **Ivanović M.** and Lirkov I., Semantic Technologies in a Decision Support System, APPLICATION OF MATHEMATICS IN TECHNICAL AND NATURAL SCIENCES: 7th International Conference for Promoting the Application of Mathematics in Technical and Natural Sciences-AMiTaNS'15, Albena, Bulgaria, June 28-July 3, 2015, AIP Proceedings, Vol. 1684, pages: 060002.
196. Mitrović D., **Ivanović, M.**, Vidaković M., Budimac, Z., Reliable interaction in multiagent systems, 9th International Symposium on Intelligent, Distributed Computing - IDC'2015, 7th-9th October 2015, Guimarães,

Portugal, Intelligent Distributed Computing IX, Studies in Computational Intelligence, Volume 616, Springer International Publishing, pp. 93-99, 2016.

195. Mitrović D., **Ivanović, M.**, Vidaković M., Budimac, Z., A Scalable Distributed Architecture for Web-Based Software Agents. ICCCI 2015 - 7th International Conference on Computational Collective Intelligence Technologies and Applications, September 21-23, 2015, Madrid, Spain, Proceedings LNAI Volume 9329, Part I., Springer, Editors: Manuel Núñez, Ngoc Thanh Nguyen, David Camacho, Bogdan Trawiński, ISBN: 978-3-319-24068-8 (Print) 978-3-319-24069-5 (Online), pp. 67-76

194. Aleksic V., **Ivanović, M.**, Can Digital Game-Based Learning be incorporated in Serbian Primary School Curricula's?, The 7th Balkan Conference in Informatics (BCI 2015), Craiova, Romania, September 2-4, 2015, ACM, New York, USA, (Costin Badica, Yannis Manolopoulos, Mirel Cosulschi, George Eleftherakis, Florin Leon, eds), ISBN 978-1-4503-3335-1, <http://dl.acm.org/citation.cfm?id=2801081>, pp. 38:1-38:7

193. **Ivanović, M.**, Xinogalos S., Pitner T., Savic M., Different Aspects of Delivering Programming Courses: Multinational Experiences, The 7th Balkan Conference in Informatics (BCI 2015), Craiova, Romania, September 2-4, 2015, ACM, New York, USA, (Costin Badica, Yannis Manolopoulos, Mirel Cosulschi, George Eleftherakis, Florin Leon, eds), ISBN 978-1-4503-3335-1, <http://dl.acm.org/citation.cfm?id=2801081>, pp. 37:1-37:7

192. Kurbalija V., **Ivanović, M.**, Radovanović M., Geler G., Mitrovic D., Dai W.H., Zhao W.D., Cultural Differences and Similarities in Emotion Recognition. The 7th Balkan Conference in Informatics (BCI 2015), Craiova, Romania, September 2-4, 2015, ACM, New York, USA, (Costin Badica, Yannis Manolopoulos, Mirel Cosulschi, George Eleftherakis, Florin Leon, eds), ISBN 978-1-4503-3335-1, <http://dl.acm.org/citation.cfm?id=2801081>, pp. 34:1-34:6

191. Mitrovic D., **Ivanović, M.**, Budimac, Z., Test-driven development of web and enterprise agents. The 7th Balkan Conference in Informatics (BCI 2015), Craiova, Romania, September 2-4, 2015, ACM, New York, USA, (Costin Badica, Yannis Manolopoulos, Mirel Cosulschi, George Eleftherakis, Florin Leon, eds), ISBN 978-1-4503-3335-1, <http://dl.acm.org/citation.cfm?id=2801081>, pp. 24:1-24:5

190. Putnik, Z., **Ivanović, M.**, Budimac, Z., Bothe, K.: " Us and Them – The Story of Joint Venture in eLearning of Teachers and Students", International Conference On E-Learning, e-Learning'15, 11-12 September 2015, pp. 228-235, University of Applied Sciences, Berlin, Germany, <http://elearning-conf.eu/>

189. Vesin B., Klačnja-Milićević A., **Ivanović M.** & Budimac Z., (2015). Personal Assistance Agent in Programming Tutoring System. In: *G.Jezic., R.J Howlett and L.J. Jain (Eds.): Agent and Multi-Agent Systems: Technology and Applications*, Smart Innovation, Systems and Technologies Volume 38, pp 441-451, DOI 10.1007/978-3-319-19728-9_37

188. **Ivanović M.** & Budimac Z., Klačnja-Milićević A., Vesin B., Possibilities to Improve Web-based Assessment in Programming Courses, **WEBDATANET CONFERENCE 2015**, 26-28 May 2015, Salamanca, Spain, pp. 1-8, <http://conference.webdatanet.eu/download>

187. Savić, M., **Ivanović, M.**: Validation of Static Program Analysis Tools by Self-Application: A Case Study. In Proc. of 4th workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2015), Institute of Informatics, Faculty of Electrical Engineering and Computer Science, University of Maribor, Slovenia, ISBN 978-961-248-485-9, (Zoran Budimac, Marjan Heričko, eds.), Maribor, Slovenia, June 8 - 10, 2015. Also published by "CEUR workshop proceedings", vol. 1375, ISSN: 1613-0073, <http://ceur-ws.org/Vol-1375/>, pp. 61-68.

186. Rakić, G., Budimac, Z., Savić, M., **Ivanović, M.**, Towards the Formalization of Software Measurement by Involving Network Theory. In Proc. of 4th workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2015), Institute of Informatics, Faculty of Electrical Engineering and Computer Science, University of Maribor, Slovenia, ISBN 978-961-248-485-9, (Zoran Budimac, Marjan Heričko, eds.), Maribor, Slovenia, June 8 - 10, 2015. Also published by "CEUR workshop proceedings", vol. 1375, ISSN: 1613-0073, <http://ceur-ws.org/Vol-1375/>, pp. 53-59.

186. **Ivanović M.**, Radovanović M., Modern machine learning techniques and their applications, Electronics, Communications and Networks IV – Hussain & Ivanovic (eds), 2015 Taylor & Francis Group, London, ISBN: 978-1-138-02830-2 (Proceedings of CECNet 2014 - The 4th International Conference on Electronics, Communications and Networks Dec.12th-15th,2014 Beijing,China), Invited lecture.
185. Sredojević D., Okanović D., Vidaković M., Mitrović D., **Ivanović M.**, Domain specific agent-oriented programming language based on the Xtext framework, Proceedings of ICIST 2015 5th International Conference on Information Society and Technology, March 2015, Kopaonik, Serbia, pp. 461-467.
184. Bădică A., Bădică C., **Ivanović M.**, Mitrović D., An Approach of Temporal Difference Learning Using Agent-Oriented Programming, International Workshop on Agent Technology for Ambient Intelligence (AgTAmI-2015) held in conjunction with the 20th International Conference on Control Systems and Computer Science (CSCS20-2015), University Politehnica of Bucharest, Bucharest, Romania, 27-29, May 2015, pp. 735 – 742, DOI [10.1109/CSCS.2015.71](https://doi.org/10.1109/CSCS.2015.71).
183. **Ivanović M.**, Budimac, Z., Paunić Đ., Educational influences of choice of first programming language, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2014 (ICNAAM-2014), 22–28 September 2014, Rhodes, Greece, ISBN: 978-0-7354-1287-3, AIP Conf. Proc. 1648, 2015, pp. 310010-1 – 310010-4, doi: 10.1063/1.4912563
182. Mandić M., Konjović Z., **Ivanović M.**, Ontological Model of the Standardized Secondary School Curriculum in Informatics, ICIST 2015 - 5th International Conference on Information Society and Techology, Kopaonik, Serbia, March 8-11, 2015, pp. 363-367.
181. Putnik, Z., **Ivanović M.**, Budimac, Z.: “Web 2.0 in Educational Practice – A Decade of Experience” , International Conference on e-Learning’14, Tenerife, Spain, 11-12. September 2014., pp. 194-200. <http://www.elearning-conf.eu/>
180. Jerinić, Lj., **Ivanović M.**, Putnik, Z., Budimac, Z., Savić, M.: “e-Education in Teaching Programming - Forty Years of Promises?”, International Conference on e-Learning’14, Tenerife, Spain, 11-12. September 2014., pp. 225-233. <http://www.elearning-conf.eu/> , “The Best Paper Award”
179. Wasielewska K., Ganzha M., Paprzycki M., Badica C., **Ivanović M.** and Lirkov I., Multicriteria Analysis of Ontologically Represented Information, AIP Conference Proceedings 1629, APPLICATION OF MATHEMATICS IN TECHNICAL AND NATURAL SCIENCES: 6th International Conference for Promoting the Application of Mathematics in Technical and Natural Sciences-AMiTaNS’14 26 June–1 July 2014, Albena, Bulgaria, pp. 281-295 (2014); doi: 10.1063/1.4902284, ISBN: 978-0-7354-1268-2
178. Bothe, K., Budimac, Z., Putnik, Z., **Ivanović M.**, Stoyanov, S., Stoyanova-Doycheva, A., Zdravkova, K., Jakimovski, B., Jurca, I., Nosović, N., Kalpić, D., Cico, B., Kajo E., Čandrić S., Educational Cooperation across Countries by Shared Course Materials: More than 10 Years of Experience, Proceedings of 2014 International Conference on Interactive Collaborative Learning (ICL), 03-06 December 2014, Dubai, UAE, pp. 166-174. 978-1-4799-4438-5/14/\$31.00 ©2014 IEEE
177. S. Huang, X. Zhou, W.H. Dai, **M. Ivanović**, “Neural Cognition and Intelligent Computing on the Emotional Symbols of Cyber Language”, Proceedings of 15th International Conference on Intelligent Computing and Internet of Things (ICIT 2015), January 17-18, 2015, Harbin, China, pp. 164-167. <http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7101034>,
176. Putnik Z., **Ivanović M.**, Budimac Z., Bothe K., Burkhard H.D., Teaching in balkan countries: multilingual and multicultural approach, CompSysTech '14, Proceedings of the 15th International Conference on Computer Systems and Technologies, June 27-28, 2014, Ruse, Bulgaria, ACM, New York, NY, USA ©2014, pp. 393-400
175. Geler G., Kurbalija V., Radovanović M., **Ivanović M.**: Impact of the Sakoe-Chiba Band on the DTW Time Series Distance Measure for kNN Classification. KSEM 2014: In Buchmann R., Kifor C.V., Yu J. (Eds.):

Knowledge Science, Engineering and Management - 7th International Conference, KSEM 2014, Sibiu, Romania, October 16-18, 2014. Proceedings. Springer 2014 Lecture Notes in Computer Science ISBN 978-3-319-12095-9, pp. 105-114

174. **Ivanović, M.**, Agreement Technologies and Multi-agent Environments, ICT Innovations 2014, 09 - 12 September 2014, Advances in Intelligent Systems and Computing Volume 311, Springer, 2015, pp 7-16, Invited paper. ISBN: 978-3-319-09878-4 (Print) 978-3-319-09879-1 (Online)

173. **Ivanović, M.** and Budimac, Z., Agreement Technologies - Towards Sophisticated Software Agents, Dosam Hwang, Jason J. Jung, Ngoc Thanh Nguyen (Eds.): Computational Collective Intelligence. Technologies and Applications - 6th International Conference, ICCCI 2014, Seoul, Korea, September 24-26, 2014. Proceedings. Springer 2014 Lecture Notes in Computer Science 8733, ISBN 978-3-319-11288-6 pp. 1-10, Invited paper.

172. Mitrović D., **Ivanović M.**, Vidaković M., Budimac Z., Extensible Java EE-based Agent Framework in Clustered Environments, Jörg P. Müller, Michael Weyrich, Ana L. C. Bazzan (Eds.): Multiagent System Technologies - 12th German Conference, MATES 2014, Stuttgart, Germany, September 23-25, 2014. Proceedings. Springer 2014 Lecture Notes in Computer Science ISBN 978-3-319-11583-2. pp. 202-215

171. Savić, M., **Ivanović, M.**, Graph clustering evaluation metrics as software metrics, In: Z. Budimac, T. Galinac Grbac (eds.): Proceedings of the 3rd Workshop of Software Quality, Analysis, Monitoring, Improvement, and Applications (SQAMIA), Lovran, Croatia, 19.-22.9.2014, pp. 81-89, published at <http://ceur-ws.org>.

170. Aleksić, V., **Ivanović, M.** (2014). Digital Didactic Games in Elementary School. International Conference on Information Technology and Development of Education - ITRO 2014, Zrenjanin, Serbia, jun 2014, str. 121-123. ISBN: 978-86-7672-225-9 (M33) https://dl.dropboxusercontent.com/u/18293861/Zbornik_ITRO_2014.pdf

169. W.H. Dai, S. Huang, X. Zhou, X.E. Yu, **Ivanović, M.**, and D.R. Xu, Emotional Intelligence for Ubiquitous Learning: Towards the Smart Foreign Language Education in the Digital Age, 12th International Conference on IT Applications and Management (ITAM-12) Theme: "Culture and Humanities in the Digital Age.", July 8-10, 2014, Nairobi, Kenya, pp. 87-93.

168. Bothe, K., Kalpić, D., Putnik, Z., Budimac, Z., **Ivanović, M.**, Stoyanov, S., Stoyanova-Doycheva, A., Zdravkova, K., Jakimovski, B., Jurca, I., Nosović, N., Cico, B.: "Maintaining Quality of Software Engineering Education by Creating a Shared Repository of Course Materials in a Multilateral Setting", Global Engineering Education Conference (EDUCON), 2014 IEEE, 3-5 April 2014, Istanbul, Turkey (pp. 539 – 543), DOI: 10.1109/EDUCON.2014.6826145,

167. Aleksić V., **Ivanović M.**, Digital Didactic Games in Elementary School, V International Conference of Information Technology and Development of Education 2014 (ITRO 2014), June 27, 2014, Zrenjanin, Serbia.

166. Badica C., Ganzha M., **Ivanović M.**, Paprzycki M., Foreword to WASA Workshop, Rajendra Akerkar, Nick Bassiliades, John Davies, Vadim Ermolayev (Eds.): 4th International Conference on Web Intelligence, Mining and Semantics (WIMS 14), WIMS '14, Thessaloniki, Greece, June 2-4, 2014. ACM 2014 ISBN 978-1-4503-2538-7, paper 46.

165. Mitrović D., **Ivanović M.**, Badica, C.,: Delivering the multiagent technology to end-users through the web, Rajendra Akerkar, Nick Bassiliades, John Davies, Vadim Ermolayev (Eds.): 4th International Conference on Web Intelligence, Mining and Semantics (WIMS 14), WIMS '14, Thessaloniki, Greece, June 2-4, 2014. ACM 2014 ISBN 978-1-4503-2538-7, paper 54

164. **Ivanović M.**, Radovanović M., Budimac Z., Mitrović D., Kurbalija V., Dai W.H., Zhao W.D.: Emotional Intelligence and Agents: Survey and Possible Applications, Rajendra Akerkar, Nick Bassiliades, John Davies, Vadim Ermolayev (Eds.): 4th International Conference on Web Intelligence, Mining and Semantics (WIMS 14), WIMS '14, Thessaloniki, Greece, June 2-4, 2014. ACM 2014 ISBN 978-1-4503-2538-7, paper 52

163. Badica, C., Ilie, S., **Ivanović, M.**, Mitrović, D.,: “Role of Agent Middleware in Teaching Distributed Network Application Development “, *Advances in Intelligent Systems and Computing*, Volume 296/2014, Agent and Multi-Agent Systems: Technologies and Applications, Editors: Gordan Jezic, Mario Kusek, Ignac Lovrek, Robert J. Howlett, Lakhmi C. Jain, ISBN: 978-3-319-07649-2 (Print) 978-3-319-07650-8 (Online) Proceedings of the 8th International KES Conference on Agents and Multi-agent Systems – Technologies and Applications, Chania, Greece, 18-20. June, 2014., pp 267-276, 10.1007/978-3-319-07650-8_27

162. **Ivanović, M.**, Putnik, Z., Mitrović, D., Stantić, B.: “Possible Routes on a Highway of eLearning – Promising Architecture for eLearning Systems“, *Advances in Intelligent Systems and Computing*, Volume 296/2014, Agent and Multi-Agent Systems: Technologies and Applications, Editors: Gordan Jezic, Mario Kusek, Ignac Lovrek, Robert J. Howlett, Lakhmi C. Jain, ISBN: 978-3-319-07649-2 (Print) 978-3-319-07650-8 (Online) Proceedings of the 8th International KES Conference on Agents and Multi-agent Systems – Technologies and Applications, Chania, Greece, 18-20. June, 2014., pp 289-302, DOI: 10.1007/978-3-319-07650-8_29

161. Okanović D., Vidaković M., Vuković Ž., Mitrović D. and **Ivanović M.**, "EDITOR FOR AGENT-ORIENTED PROGRAMMING LANGUAGE ALAS", Proceedings of the 4th International Conference on Information Society Technology and Management. Kopaonik, Serbia, (2014)

160. M. Savić, **M. Ivanović**, M. Radovanović, Z. Ognjanović, A. Pejović and T. Jakšić-Krüger. Exploratory Analysis of Communities in Co-authorship Networks: A Case Study. In Proceedings of ICT Innovations 2014, *Advances in Intelligent Systems and Computing* 311, pages 55-64, Ohrid, FYR Macedonia, 2014. DOI: 10.1007/978-3-319-09879-1_6, URL: http://link.springer.com/chapter/10.1007%2F978-3-319-09879-1_6

159. **Ivanović M.**, Budimac Z., Role of Technologies in Future Formal and Informal Education, InfoKomTeh 2014 , International Conference “The new vision of future technologies”, Ljubljana, Slovenia, 17. April 2014, pp. 84-98. ISBN 978-961-93662-0-2. Invited lecture.

158. **Ivanović M.**, Mitrović D., Budimac Z., Vesin B., and Jerinić LJ., Different Roles of Agents in Personalized Programming Learning Environment, D.K.W. Chiu et al. (Eds.): ICWL 2011/2012 Workshops, LNCS 7697, pp. 161–170, 2014, © Springer-Verlag Berlin Heidelberg 2014.

157. Tošić, S., Mitrović, D., **Ivanović, M.**, Agent planning in AgScala. In Proc. of Symposium on Computer Languages, Implementations, and Tools (SCLIT 2013) held within 11th International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2013 (ed. Theodore E. Simos), AIP Conf. Proc. 1558 (Melville, New York), ISBN 978-0-7354-1184-5, DOI: 10.1063/1.4825498, September 21-27, 2013, Rhodes, Greece, pp. 362-365.

156. **Ivanović, M.**, Budimac, Z., First programming language – never-ending story. In Proc. of Symposium on Computer Languages, Implementations, and Tools (SCLIT 2013) held within 11th International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2013 (ed. Theodore E. Simos), AIP Conf. Proc. 1558 (Melville, New York), ISBN 978-0-7354-1184-5, DOI: 10.1063/1.4825496, September 21-27, 2013, Rhodes, Greece, pp. 353-356.

155. Tomašev N., Pracner D., Brehar R., Radovanović M., Mladenec D., **Ivanović M.**, and Nedeveschi S., “Object Recognition in WIKImage Data Based on Local Invariant Image Features”. In: *Intelligent Computer Communication and Processing (ICCP)*, 2013 IEEE International Conference on. 2013, pp. 139–146. ISBN: 978-1-4799-1493-7.

154. Vesin, B., Klačnja-Milićević, A., **Ivanović M.**, Improving testing abilities of a programming tutoring system, In Emil Petre and Marius Brezovan, editors, 6th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2013) , held within 17th International Conference on System Theory, Control and Computing (ICSTCC 2013), Sinaia, Romania, October 2013, pp. 669 – 673, 10.1109/ICSTCC.2013.6689037

153. Mitrović D., **Ivanović M.**, Badica C, Jason agents in Java EE environments. In Emil Petre and Marius Brezovan, editors, 3rd Workshop on Applications of Software Agents (WASA 2013), held within 17th International

Conference on System Theory, Control and Computing (ICSTCC 2013), pages 768–771, Sinaia, Romania, October 2013.

152. Savić, M., Budimac, Z., Rakić, G., **Ivanović, M.**, Heričko, M., SSQSA Ontology Metrics Front-End. In Proc. of 2nd workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2013), Faculty of Sciences, University of Novi Sad, Novi Sad, ISBN 978-86-7031-269-2, (Zoran Budimac, ed.), Novi Sad, Serbia, September 15 - 17, 2013. Also published by "CEUR workshop proceedings", vol. 1053, ISSN: 1613-0073, <http://ceur-ws.org/Vol-1053/>, pp. 95-101.

151. Xinogalos S., **Ivanović M.**, [Enhancing Software Quality in Students' Programs](#). In Proc. of 2nd workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2013), Faculty of Sciences, University of Novi Sad, Novi Sad, ISBN 978-86-7031-269-2, (Zoran Budimac, ed.), Novi Sad, Serbia, September 15 - 17, 2013. Also published by "CEUR workshop proceedings", Vol. 1053, ISSN: 1613-0073, <http://ceur-ws.org/Vol-1053/>, pp. 11-16.

150. Rakić G., Jerinić Lj., Budimac Z., **Ivanović, M.**: Sequencing and Navigation through Learning Content, In the Proceedings of the 16th International Multiconference Information Society - IS 2013, Volume A, Collaboration, Software And Services In Information Society (CSS 2013), October 7-11, 2013, Ljubljana, Slovenia, pp. 261-264

149. Putnik, Z., Budimac, Z., **Ivanović, M.**: "With the Little Help From ... Our Students", Proceedings of the 4th Intl Conf on eLearning, (eLearning-2013), Beograd, Serbia, September 26-27., 2013, pp. 95-100, <http://econference.metropolitan.ac.rs/>

148. Mitrović D., **Ivanović M.**, Burkhard H.D., Towards a Jason Infrastructure for Soccer Playing Agents. Marcin S. Szczuka, Ludwik Czaja, Magdalena Kacprzak (Eds.): Proceedings of the 22nd International Workshop on Concurrency, Specification and Programming, 25-27 September 2013, Warsaw, Poland. CEUR-WS.org 2013 <http://www.ceur-ws.org/Vol-1032/>, pp. 294-295.

147. Mitrović D., **Ivanović M.**, Burkhard H.D., Intelligent Jason agents in virtual soccer simulations. In Klusch M., Thimm M., Paprzycki M., editors, 11th German Conference on Multiagent System Technologies, volume 8076 of Lecture Notes in Computer Science, pp. 334-345. Springer, 2013.

146. Tomašev N., Pracner D., Brehar R., Radovanović M., Mladenović D., **Ivanović M.**, Nedevschi S., Object Recognition in WIKImage Data Based on Local Invariant Image Features, ICCP - 2013 IEEE International Conference on Intelligent Computer Communication and Processing, September 5 - 7, 2013 in Cluj-Napoca, Romania.

145. Radovanović M., Kurbalija V., Schmidt D., Lindemann V. Trzebiatowski G., **Ivanović M.**, Hinrichs C., Burkhard H. D.: Quality Checking and Mining Nephrology Biopsy Data, In Proceedings of the 6th Balkan Conference in Informatics (BCI '13), Kostas I. Diamantaras, Georgios Evangelidis, Yannis Manolopoulos, Christos K. Georgiadis, Petros Kefalas, Demosthenes Stamatis (Eds.): Thessaloniki, Greece, September 19-21, 2013. ACM 2013 ISBN 978-1-4503-1851-8, New York, NY, USA, pp. 110-113

144. Putnik Z., **Ivanović M.**, Budimac Z., Bothe K., Zdravkova K.: Gender Influences on Studying Computer Science – NON-EU Balkan Case, In Proceedings of the 6th Balkan Conference in Informatics (BCI '13), Kostas I. Diamantaras, Georgios Evangelidis, Yannis Manolopoulos, Christos K. Georgiadis, Petros Kefalas, Demosthenes Stamatis (Eds.): Thessaloniki, Greece, September 19-21, 2013. ACM 2013 ISBN 978-1-4503-1851-8, New York, NY, USA, pp. 171-178

143. Putnik Z., **Ivanović M.**, Budimac Z., Bothe K.: Analysis of Students' Behaviour Based on Participation and Results Achieved in a Wiki-based Team Assignments, In Proceedings of the 6th Balkan Conference in Informatics (BCI '13), Kostas I. Diamantaras, Georgios Evangelidis, Yannis Manolopoulos, Christos K. Georgiadis, Petros Kefalas, Demosthenes Stamatis (Eds.): Thessaloniki, Greece, September 19-21, 2013. ACM 2013 ISBN 978-1-4503-1851-8, New York, NY, USA, pp. 179-186

142. Aleksić V., **Ivanović M.**: Blended Learning in Tertiary Education: A Case Study, In Local Proceedings of the

6th Balkan Conference in Informatics (BCI 2013), 18-20 September, 2013, Thessaloniki, Greece, pp. 96-103. ISSN 1613-0073. <http://ceur-ws.org/Vol-1036/>

141. Vesin, B., Klačnja-Milićević, A., **Ivanović, M.**, Budimac, Z., Applying Collaborative Tagging and Semantic Web Technologies for Providing Recommendation in Programming Tutoring System, the 6th International Conference on Information Technology, ICIT 2013, Amman, Jordan. Paper 714.

140. Mitrović, D., **Ivanović, M.**, Budimac, Z., Erlang and Scala for Agent Development, The 6th International Conference on Information Technology - ICIT 2013, May 8th - 10th , 2013 Amman, Jordan. Paper 733.

139. Komlenov Ž., Budimac Z., **Ivanović M.**, Bothe K., Team Formation Process Automatization, 4th IEEE Engineering Education Conference (EDUCON 2013), Berlin, Germany, March 13–15, 2013, pp. 744-750

138. Badica C., Ilie S., **Ivanović, M.**, Optimizing Communication Costs in ACODA Using Simulated Annealing: Initial Experiments, N.-T. Nguyen et al. (Eds.): ICCCI 2012 – 4th International Conference on Computational Collective Intelligence Technologies and Applications, Part I, LNAI 7653, pp. 298–307, 2012. Springer-Verlag Berlin Heidelberg, ISBN 978-3-642-34630-9

137. Mitrović, D., **Ivanović, M.**, Budimac, Z., Towards an agent-oriented programming language based on Scala, In Proc. of Symposium on Computer Languages, Implementations, and Tools (SCLIT 2012) held within International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2012 (ed. Theodore E. Simos), AIP Conf. Proc. 1479 (Melville, New York), ISBN 978-0-7354-1088-6, September 19-25, 2012, Kos, Greece, pp. 478-481. DOI: 10.1063/1.4756170

136. Savić, M., Rakić, G., Budimac, Z., **Ivanović, M.**, Extractor of software networks from enriched concrete syntax trees, In Proc. of Symposium on Computer Languages, Implementations, and Tools (SCLIT 2012) held within International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2012 (ed. Theodore E. Simos), AIP Conf. Proc. 1479 (Melville, New York), ISBN 978-0-7354-1088-6, September 19-25, 2012, Kos, Greece, pp. 486-489. DOI: 10.1063/1.4756172

135. Badica C., Ilie S., **Ivanović, M.**: Method for Optimizing Communication Costs in ACODA Using Simulated Annealing. in Local Proceedings of the Fifth Balkan Conference in Informatics (BCI 2012), pp. 139 – 141, ISBN 978-86-7031-200-5, Novi Sad, Serbia, September 16 – 20, 2012.

134. Mitrović D., **Ivanović M.**, Vidaković M., Al-Dahoud A., "Developing Software Agents using Enterprise JavaBeans", in Local Proceedings of the Fifth Balkan Conference in Informatics (BCI 2012), pp. 147 – 149, ISBN 978-86-7031-200-5, Novi Sad, Serbia, September 16 – 20, 2012.

133. Kurbalija V., von Bernstorff C., Burkhard H.D., Nachtwei J., **Ivanović M.**, and Fodor L., Time-series mining in a psychological domain. In Proceedings of the Fifth Balkan Conference in Informatics (BCI '12). ACM Proceeding Series 641, New York, NY, USA, 58-63. DOI=10.1145/2371316.2371328 <http://doi.acm.org/10.1145/2371316.2371328>

132. Savić M., Radovanović M. and **Ivanović M.**. Community detection and analysis of community evolution in Apache Ant class collaboration networks. Proceedings of the 5th Balkan Conference in Informatics (BCI), ACM Proceeding Series 641, pages 229-234, 2012

131. Putnik Z., Komlenov Ž., **Ivanović M.**, Budimac Z., Student Assignments Performed Online – Assessment of Individual And Team Work, 3rd International Conference on e-Learning (eLearning-2012), Belgrade, Serbia, September 27 – 28, 2012, pp. 81 – 86.

130. Putnik Z., **Ivanović M.**, Budimac Z. and Samuelis L., Wiki – A Useful Tool to Fight Classroom Cheating?, Advances in Web-Based Learning - ICWL 2012 , E. Popescu et al. (Eds.): Lecture Notes in Computer Science, 2012, Volume 7558/2012, pp. 31-40, DOI: 10.1007/978-3-642-33642-3_4

129. Szabo C., Samuelis L., **Ivanović M.**, Fesič T., Database Refactoring and Regression Testing of Android Mobile Applications, SISY 2012, IEEE 10th Jubilee International Symposium on Intelligent Systems and Informatics, September 20-22, 2012, Subotica, Serbia, pp. 135-139, DOI [10.1109/SISY.2012.6339502](https://doi.org/10.1109/SISY.2012.6339502).
128. Mandić M. and **Ivanović M.**: "Experiences of Applying Wiki in University Courses", Proceedings of International Conference on Technology and Development of Education - ITRO 2012, June 2012, Zrenjanin, Republic of Serbia, pp.382-387
127. **Ivanović M.**, Budimac Z. Software Agents: State-of-the-Art and Possible Applications, Boris Rachev and Angel Smrikarov (Eds.). 2012. *Proceedings of the 13th International Conference on Computer Systems and Technologies*. ACM, New York, NY, USA. Pp. 11-22. ISBN: 978-1-4503-1193-9, Invited Lecture.
126. Klačnja-Milićević A., Vesin B., **Ivanović M.**, Budimac Z., Personalisation of Programming Tutoring System Using Tag-based Recommender Systems, 12th IEEE International Conference on Advanced Learning Technologies, Rome, July 4-6, 2012, DOI 10.1109/ICALT.2012.125, pp. 666-667
125. **Ivanović M.**, Vidaković M., Mitrović D., Budimac Z.: Evolution of Extensible Java EE-Based Agent Framework, In Ježić G., Kušek M., Thanh Nguyen N., Howlett J. R., Jain L. C. (Eds.): Agent and Multi-Agent Systems. Technologies and Applications - 6th KES International Conference, KES-AMSTA 2012, Dubrovnik, Croatia, June 25-27, 2012. Proceedings. Lecture Notes in Computer Science 7327 Springer 2012, ISBN 978-3-642-30946-5, pp. 444-453
124. Mitrović D., Geler Z., **Ivanović M.**, "Distributed distance matrix generator based on agents", In Proceedings of the 2nd International Conference on Web Intelligence, Mining and Semantics (WIMS '12), ACM, New York, NY, USA, Article 40, 6 pages, 2012.
123. **Ivanović M.**, Radovanović M., Kurbalija V. and Vidaković J., Computer Science and Information Systems: Publishing an international open access journal in a developing country. In Proceedings of the 5th Belgrade Open Access Conference 2012, pages 101-111, Belgrade, Serbia, 2013.
122. **Ivanović M.**, Putnik Z., Budimac Z., Bothe K., Teaching "Software project management" course - seven years experience. In Proc. of International conference EDUCON 2012, IEEE conference proceedings, ISBN: 978-4673-1455-8, ISSN: 2165-9559, Marrakech, Morocco, April 17 - 20, 2012, pp. 973-979.
121. **Ivanović M.**, Burkhard H.D., Kurbalija V., Radovanović, M., Schmidt D., Lindemann V. Trzebiatowski G. and Semnic M.: "Intelligent Techniques for Data Integration and Decision Support in the Medical Domain", IADIS INTERNATIONAL CONFERENCE, Information Systems 2012, Berlin, Germany, March 10-12, 2012, pp. 141-148.
120. Vesin B., **Ivanović M.**, Klačnja-Milićević A., Budimac Z., Rule-based Reasoning for Building Learner Model in Programming Tutoring System, H. Leung et al. (Eds.): ICWL 2011, December 6-10, Hong Kong, LNCS 7048, pp. 154--163. Springer, Heidelberg, 2011
119. Vesin B., **Ivanović M.**, Klačnja-Milićević A., Budimac Z., Rule-based Reasoning for Altering Pattern Navigation in Programming Tutoring System, *15th international conference on System theory, Control and Computing*, October 14-16, 2011, Sinaia, Romania, pp. 644-649
118. M. Savić, M. **Ivanović, M.** Radovanović, "Connectivity properties of the Apache Ant class collaboration network", In Proceedings of the 15th International Conference on System Theory, Control and Computing (ICSTCC 2011), ISBN 978-973-621-323-6, Sinaia, Romania, October 14 - 17, 2011, pp. 544-549.
117. **Ivanović M.**, Mitrović D., Budimac Z., Vidaković M., "Metadata harvesting learning resources - an agent-oriented approach", In Proceedings of the 15th International Conference on System Theory, Control and Computing (ICSTCC 2011), ISBN 978-973-621-323-6, Sinaia, Romania, October 14 - 17, 2011, pp. 306-311.

116. Pracner D., Tomašev N, Radovanović M., Mladenčić D., **Ivanović M.**, WIKImage: CORRELATED IMAGE AND TEXT DATASETS, Proc. of 14th International Multiconference INFORMATION SOCIETY – IS 2011, DATA MINING AND DATA WAREHOUSES (SiKDD), October 10-14, 2011, Ljubljana, Slovenia, Volume A, pp. 141-144.
115. Kurbalija V., Radovanović M., Geler G., **Ivanović M.**: The Influence of Global Constraints on DTW and LCS Similarity Measures for Time-Series Databases, THIRD INTERNATIONAL CONFERENCE ON SOFTWARE, SERVICES AND SEMANTIC TECHNOLOGIES S3T 2011, 1-3 September 2011, Burgas, Bulgaria, Advances in Intelligent and Soft Computing, 2011, Springer, Volume 101/2011, pp. 67-74, DOI: 10.1007/978-3-642-23163-6_10, Best paper award
114. Budimac, Z., Putnik, Z., **Ivanovic, M.**, Bothe, K.: “A View on a Successful International Educational Project in Software Engineering”, Proc. of IFIP TC2 Central and Eastern European Conference on Software Engineering Techniques 2011, 25-26. August, Debrecen, Hungary, pp. 91-106, <http://cee-set.njszt.hu>
113. **Ivanović M.**, Komlenov Ž., Xinogalos S., Technology Enhanced Learning for Programming Courses – Experiences and Comparison, Proceedings of 14th International Conference on Interactive Collaborative Learning (ICL), September 21–23, 2011, Piešťany, Slovakia, pp. 42-45.
112. Tomašev N., Mladenčić D., Radovanović M., **Ivanović M.**, A Probabilistic Approach to Nearest-Neighbor Classification: Naive Hubness Bayesian kNN, 20th ACM Conference on Information and Knowledge Management (CIKM 2011), Glasgow, Scotland, UK, 24th-28th October 2011, pp. 2173-2176
111. Tomašev N, Radovanović M., Mladenčić D., **Ivanović M.**, Hubness-Based Fuzzy Measures for High-Dimensional k-Nearest Neighbor Classification, Proceedings of The 7th International Conference on Machine Learning and Data Mining MLDM 2011, August 30-September 3, 2011, New York/USA, pp. 16-30, Best paper award.
110. Mitrovic D., **Ivanovic M.**, Budimac Z., Vidakovic M., "An overview of agent mobility in heterogeneous environments", In Proceedings of the Workshop on Applications of Software Agents - WASA 2011, ISBN 978-86-7031-188-6, pp. 52 - 58, 2011. <http://ceur-ws.org/Vol-752>
109. Tošić, S., Radovanović, M., **Ivanović, M.**, "Integration of agents and planning systems", In Proceedings of the Workshop on Applications of Software Agents, Novi Sad, Serbia, ISBN 978-86-7031-188-6, pp. 59 - 63, July 2011. <http://ceur-ws.org/Vol-752>
108. Mitrović D., **Ivanović M.**, Vidaković M., "Introducing ALAS: a novel agent-oriented programming language", In Symposium on Computer Languages, Implementations and Tools - SCLIT 2011, held within International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2011 (ed. Theodore E. Simos), AIP Conf. Proc. 1389, ISBN 978-0-7354-0956-9, September 19-25, 2011, Halkidiki, Greece, pp. 861-864.
107. Bodroški Ž., Škrbić S., Komlenov Ž., **Ivanović M.**, A Software System for E-publishing in Medical Domain, Proceeding of the International Conference on Computer Systems and Technologies (CompSysTech'11), Vienna, Austria, June 16 – 17, 2011, pp 602-607.
106. Putnik Z., Budimac Z., Komlenov Ž., **Ivanović M.**, Bothe K., Wiki Usage in Team Assignments for Computer Science Students, International Conference on Computer Systems and Technologies (CompSysTech'11), Vienna, Austria, June 16 – 17, 2011, 596-601.
105. Budimac, Z., **Ivanovic, M.**, Putnik, Z., Bothe, K.: "Studies in Wonderland - Sharing of Courses, Lectures, Tasks, Assignments, Tests and Pleasure", Proc. of the 22nd EAEEIE Annual Conference, 13th-15th June, Maribor, Slovenia, pp. 213-219, <http://eaeie2011.uni-mb.si/>, 2011.

104. Pribela I., **Ivanović M.** and Budimac Z., "System for Testing Different Kinds of Students' Programming Assignments", Proceedings of the 5th International Conference on Information Technology, Aman, Jordan, May 11 – 13, 2011, 7 pages, no. 535.
103. Vesin B., Klačnja-Milićević A., **Ivanović M.**, Budimac Z., "Ontology-Based Architecture for Providing Recommendation in Java Tutoring System", Proceedings of the 5th International Conference on Information Technology, Aman, Jordan, May 11 – 13, 2011, 7 pages, no. 538.
102. Tomašev N, Radovanović M., Mladenčić D., **Ivanović M.**, The Role of Hubness in Clustering High-Dimensional Data, Proceedings of The 15th Pacific-Asia Conference on Knowledge Discovery and Data Mining 'PAKDD 2011, Shenzhen, China on May 24-27, LNAI 6634, 2011, pp. 171-182. (or 183-195), Best paper award
101. Mitrovic, D., Budimac, Z., **Ivanovic, M.**, Vidakovic, M., "Improving Fault-Tolerance of Distributed Multi-Agent Systems with Mobile Network Management Agents", In Proceedings of the International Multiconference on Computer Science and Information Technology, Wisla, Poland, ISBN 978-83-60810-27-9, ISSN 1896-7094, pp. 217 - 222, October 2010.
100. **Ivanović M.**, Budimac Z.: "NEW TRENDS IN EDUCATION - INFLUENCE OF EMERGENT TECHNOLOGIES", InfoKomTeh 2010, October 27th 2010 in Ljubljana, Tehnološki park, Conference proceedings, CD Edition. ISBN:978-961-92958-1-6,
<http://www.infokomteh.com/Content/Docs/Zbornik%20infokomteh%202010.pdf>, Invited paper, pp. 206-213.
99. **Ivanović M.**, Budimac Z., Radovanović M., Škrbić S., Luković I., Milosavljević G.: Advances in Databases and Information Systems at the University of Novi Sad, In Local Proceedings of ADBIS 2010, Novi Sad, 20-24 September 2010, pp. 190-204. Invited paper.
98. Kurbalija V., Radovanović M., Geler G., **Ivanović M.**: A Framework for Time-Series Analysis, AIMS 2010 - The 14th International Conference on Artificial Intelligence: Methodology, Systems, Applications, Varna, September 8-10, Bulgaria, D. Dicheva and D. Dochev (Eds.): LNAI 6304, pp. 42–51, 2010.
97. Karydis I., Radovanović M., Nanopoulos A. and **Ivanović M.**. Looking through the "glass ceiling": A conceptual framework for the problems of spectral similarity. In Proceedings of ISMIR'10, 11th International Society for Music Information Retrieval Conference, Utrecht, the Netherlands, 2010, pp. 267–272
96. Radovanović M., Nanopoulos A. and **Ivanović M.**. On the existence of obstinate results in vector space models. In Proceedings of SIGIR'10, 33rd Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, Geneva, Switzerland, 2010, pp 186–193
95. **Ivanović M.**, Budimac Z., Mišev A., Bothe K., Jurca I., Teaching Java through Different Courses – Multi-Country Experiences, Conference on Computer Systems and Technologies CompSysTech' 10, 17-18 June 2010, Sofia, Bulgaria, "ACM International Conference Proceeding Series (ICPS)", Vol. 471, ACM PRESS, NY, USA, ISBN 978-1-4503-0243-2, pp. 413-418.
<http://dl.acm.org/citation.cfm?id=1839452&dl=ACM&coll=DL&CFID=391358389&CFTOKEN=47037398>
94. Radovanović M., Nanopoulos A., **Ivanović M.**, Time-Series Classification in Many Intrinsic Dimensions, The Tenth SIAM International Conference on Data Mining, April 29 - May 1, 2010, Ohio, USA pp. 677–688.
93. Bothe K., Schützler K., Budimac Z., **Ivanovic M.**, Putnik Z., Stoyanov S., Stoyanova-Doyceva A., Zdravkova K., Jakimovski B., Bojic D, Jurca I., Kalpic D. and Cico B.: Experience with shared teaching materials for software engineering across countries, Proceedings of Informatics Education Europe IV, November 5-6., 2009, Freiburg, Germany, (eds. Hermann, C., Lauer, T., Ottmann, T., and Welte, M.), pp. 57 - 62.

92. Janković Z., **Ivanović M.**, Budimac Z., *Functional Horizontal Network Marketplaces – Problems and Solutions*, INFORMATION SOCIETY 2009, 12th International multicongress, 12 - 16 October 2009, Jožef Stefan Institute, Ljubljana, Slovenia, 2009.
91. Nanopoulos, A., Radovanović, M. and **Ivanović, M.**, How does High Dimensionality Affect Collaborative Filtering?, Third ACM Conference on Recommender Systems 2009, New York City, USA, October 22-25, 2009., pp. 293-296.
90. Komlenov, Ž., Budimac, Z., **Ivanović, M.**, Introducing adaptivity to eLessons on object-oriented programming. In Proc. of the Fourth Balkan Conference in Informatics (Thessaloniki, Greece), 17-19 September 2009, (eds., Kefalas, P., Stamatis, D., Douligertis, C.) published by IEEE Computer Society, pp. 175 - 180.
89. Putnik, Z., Budimac, Z., **Ivanović, M.**, From legacy teaching material to learning objects - possible conversion model. In Local proc. of the Fourth Balkan Conference in Informatics (Thessaloniki, Greece), 17-19 September 2009, (eds., Eleftherakis, G., Georgiadis, C., Ketikidis, P., Stamatis, D.) published by A.T.E.I. Thessalonikis publishing house, pp. 76 - 81.
88. **Ivanović M.**, Welzer T., Putnik Z., Hölbl M., Komlenov Ž, Pribela I., Experiences and privacy issues - usage of Moodle in Serbia and Slovenia, 12th International Conference on Interactive Computer aided Learning, September 23 – 25, 2009, Villach, Austria.
87. **Ivanović M.**, Komlenov Ž., Welzer T., Hölbl M., Schweighofer T., EXPERIENCES WITH THE USE OF MOODLE IN SERBIA AND SLOVENIA, 6th International Conference "New Horizons in Industry Business and Education" NHIIBE 2009, Santorini island, Greece, pp. 154-160.
86. **Ivanović M.**, Todorčić-Vukašin D., Budimac Z., INFORMATION SYSTEM TOPICS FOR STUDIES IN SOFTWARE ENGINEERING, Conference on Computer Systems and Technologies CompSysTech' 09, 18-19 June 2009, Ruse, Bulgaria, pp. IV.15-1 - IV.15-6.
85. Zdravkova K., **Ivanović M.**, Putnik Z., Evolution of Professional Ethics Courses from Web Supported Learning towards E-learning 2.0, Proceedings of Fourth European Conference on Technology Enhanced Learning EC-TEL, Nice September 29th - October 2nd, 2009, LNCS 5794, pp.657-663.
84. Radovanović M., Nanopoulos A., **Ivanović M.**, Nearest Neighbors in High-Dimensional Data: The Emergence and Influence of Hubs, Proceedings of 26th International Conference on Machine Learning, Montreal, Canada ICML 2009, June 14-18, 2009, pp. 865-872.
83. Klačnja-Milićević A., Vesin B., **Ivanović M.**, Budimac Z., Integration of Recommendations into Java Tutoring System, Proceedings of "The International Conference on Information Technology (ICIT'2009)", Amman, Jordan, 3-5 June 2009, CD edition, paper no. 524.
82. Klačnja-Milićević A., **Ivanović M.**, Nanopoulos A. The Use of Nonlinear Manifold Learning in Recommender Systems, Proceedings of "The International Conference on Information Technology (ICIT'2009)", Amman, Jordan, 3-5 June 2009, CD edition, paper no. 525.
81. Pešović D., Vidaković M., Budimac Z., **Ivanović M.**, Document Management in Distributed and Heterogeneous Environments, Proceedings of "The International Conference on Information Technology (ICIT'2009)", Amman, Jordan, 3-5 June 2009, CD edition, paper no. 485.
80. **Ivanović M.**, Budimac Z., Putnik Z., Bothe K., Short Comparison of Tasks and Achievements of Different Groups of Students with the Common Software Engineering Course, Proceedings of 2009 International Conference on Software Engineering Theory and Practice, 13-16 of July, Orlando, Florida, USA (SETP-09), pp. 84-91.
79. **Ivanović, M.**, Putnik, Z., Budimac, Z., Šišarica, A., Bothe, K.: "How Gender Issues Can Influence Studying Computer Science", 1st International Conference on Computer Supported Education, Lisboa, Portugal, pp. 223-228,

2009.

78 Budimac, Z., Putnik, Z., **Ivanović, M.**, Bothe, K.: “Common Software Engineering Course: Experiences from Different Countries”, 1st International Conference on Computer Supported Education, Lisboa, Portugal, pp. 375-378, 2009.

77. **Ivanović M.**, Budimac Z., *Applications of Case-Based Reasoning*, Proc. of Conference Znanosti 2009 (invited lecture), February 4-6, 2009, FIT BUT, Brno, pp. 1-12.

76. Komlenov Ž, **Ivanović M.**, Budimac Z., Introducing Adaptivity to eLessons to Enhance Student Learning, The Proceedings of 7th European Conference on e-Learning, Agia Napa, Cyprus, 6-7 November 2008., pp. 571-580.

75. Pešović D., Budimac Z., **Ivanović M.**, Distributed Mobile Agent Workflow – Activity Coordination Constructs in Workflow Process Graphs, Proc. of 11th International Multiconference INFORMATION SOCIETY – IS 2008, October 13-13, 2008, Ljubljana, Slovenia, pp. 242-245.

74. Putnik Z., **Ivanović M.**, Budimac Z., Gender Related Issues Associated To Computer Science Students, Proc. of 6th International Symposium on Intelligent Systems and Informatics (SISY 2008), September 26-27, 2008 , Subotica, Serbia, p. 5.

73. Pešović D., Budimac Z., **Ivanović M.**, Towards a Visual Definition of a Process in a Distributed Environment, Proc. of 2nd International Symposium on Intelligent Distributed Computing - IDC'2008, September 18-19, 2008, Catania, Italy, Studies in Computational Intelligence, Springer, Badica, C., Mangioni, G., Carchiolo, V. (et al.) (Eds.), Vol. 162, ISBN 978-3-540-85256-8, 2008, pp. 287-292.

72. Vesin B., **Ivanović M.**, Budimac Z., Pribela I., MILE- Multifunctional Integrated Learning Environment, Proc. of IADIS Conference on e-LEARNING – eL2008, Amsterdam, Holland, 22 – 27 July 2008, pp. 104-108.

71. Kurbalija V., **Ivanović M.**, Budimac Z., Case-based reasoning framework for generating wide-range decision support systems, Proc. 2008 International conference on artificial intelligence and pattern recognition, Orlando, Florida, USA, July 7-10 2008, pp.273-279, ISBN: 978-1-60651-000-1

70. Budimac Z., **Ivanović M.**, Putnik Z., Komlenov Ž., Pribela I., Web-based course-supporting and e-learning system for courses in informatics, WUS Austria eLearning Conference: eLearning - Toward Effective Education and Training in the Information Society, Bijela, Montenegro, 30th May – 1st June, 2007, pp.62-68.

69. **Ivanović M.**, Budimac Z., Dudan Z.: Lifelong Learning for Small and Medium Companies in Serbia, Informatics Education Europe II, Thessaloniki 29-30 November 2007, pp.60-67.

68. **Ivanović M.**, Budimac Z., Komlenov Ž., Rakić G., Bridging the digital divide in South Eastern Europe National report – Serbia, BCI'2007 Workshop on Bridging the digital divide in South-Eastern Europe, Sofia, Bulgaria, pp. 112-150.

67. Putnik Z., **Ivanović M.**, Budimac Z., Personalized E-Learning – Issues And Obstacles, 3rd Balkan Conference in Informatics, BCI'2007, Sofia, Bulgaria, pp. 325-336.

66. Kovačević M., Putnik Z., Budimac Z., **Ivanović M.**, Document Management Within Oracle© Wfms – Upgraded Version, 3rd Balkan Conference in Informatics, BCI'2007, Sofia, Bulgaria, pp. 165-171.

65. Pribela I., **Ivanović M.**, Budimac Z., Testing Almost Any Aspect Of Students' Assignments, 3rd Balkan Conference in Informatics, BCI'2007, Sofia, Bulgaria, pp. 173-182.

64. Tošić S., Radovanović M., **Ivanović M.**, APP: Agent Planning Package, *Proceedings of IDC'07, 1st International Symposium on Intelligent and Distributed Computing*, Craiova, Romania, 2007, Studies in Computational Intelligence, Springer-Verlag, pp. 217-226

63. Putnik Z., **Ivanović M.**, Budimac Z., Ethical Aspects of Informatics, CompSysTech 07, International Conference on Computer Systems and Technologies, Rouse, Bulgaria, pp. IV.24-1 - IV.24-6.
62. Kovačević M., Putnik Z., Budimac Z., **Ivanović M.**, An Example of Oracle© WfMS Upgrade for the Purpose of Document Management, CompSysTech 07, International Conference on Computer Systems and Technologies, Rouse, Bulgaria, pp. IIIB.20-1 - IIIB.20-9.
61. Tomašev N., Pracner D., Radovanović M. and **Ivanović M.**, Automatic categorization of human-coded and evolved CoreWar warriors. In *Proceedings of PKDD'07, 11th European Conference on Principles and Practice of Knowledge Discovery in Databases*, Warsaw, Poland, 2007, LNAI 4702, Springer, pp. 589-596.
60. Vesin B., **Ivanović M.**, Budimac Z., Tutoring System for Distance Learning of Java Programming Language, 10th Symposium on Programming Languages and Software Tools SPLST 2007, June 14-16, 2007, Dobogókő, Hungary, pp. 310-320
59. Dražić G., Dobrić D., Radovanović M., **Ivanović M.**, Reference Extraction and Coauthorship Visualization of Semi-Structured Bibliographic Data, 10th Symposium on Programming Languages and Software Tools SPLST 2007, June 14-16, 2007, Dobogókő, Hungary, pp. 244-255
58. Kurbalija V., **Ivanović M.**, Budimac Z., Semnic M., Multiple Sclerosis Diagnoses - Case-Base Reasoning Approach, 20th IEEE International Symposium on COMPUTER-BASED MEDICAL SYSTEMS 2007, Maribor, Slovenia, pp 65-71.
57. Pešović D., **Ivanović M.**, Budimac Z., Implementation of Advanced Workflow Patterns in a Workflow Management System Using Mobile Agents, International Conference on Software Engineering Theory and Practice (SETP-07), Orlando, Florida, pp. 205-212
56. Pracner D., Tomašev N., Radovanović M., **Ivanovic M.**, Categorizing Evolved CoreWarWarriors Using EM and Attribute Evaluation, International Conference on Machine Learning and Data Mining MLDM'2007, Germany, Leipzig, LNAI 4571, Springer, pp. 681-693.
55. Radovanović M., Ferlež J., Mladenić D., Grobelnik M., **Ivanovic M.**, Extending the IST-WORLD Database with Serbian Research Publications, Proceedings of the 9th International Multiconference INFORMATION SOCIETY IS 2006, 9th – 14th October 2006, Ljubljana, Slovenia, pp. 251-254.
54. Radovanović M., **Ivanovic M.**, Document Representations for Classification of Short Web-Page Descriptions, 8th International Conference on Data Warehousing and Knowledge Discovery - DaWaK '06, September, Cracow, Poland (LNCS), ISBN978-3-540-37736-8, Pages 544-553, http://dx.doi.org/10.1007/11823728_52
53. Radovanović M., **Ivanovic M.**, Interactions Between Document Representation and Feature Selection in Text Categorization, 17th International Conference on Database and Expert Systems Applications - DEXA '06, September, Cracow, Poland (LNCS), ISBN978-3-540-37871-6, Pages 489-498, http://dx.doi.org/10.1007/11827405_48
52. Radovanović M., **Ivanovic M.**, CatS: A Classification-Powered Meta-Search Engine, Advances in Web Intelligence and Data Mining, Springer Series: [Studies in Computational Intelligence](#) , Vol. 23, Last, M.; Szczepaniak, P.S.; Volkovich, Z.; Kandel, A. (Eds.), 2006, ISBN: 3-540-33879-9, pp. 191-200.
51. Badjonski M., **Ivanović, M.**, Budimac, Z., AJA – Tool for Programming Adaptable Agents, 3rd IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI), 2006, June 7-9, 2006, Athens, Greece, Springer IFIP Series Vol. 204, Maglogiannis, Ilias; Karpouzis, Kostas; Bramer, Max (Eds.), 2006, ISBN: 0-387-34223-0, pp. 517-523. http://dx.doi.org/10.1007/0-387-34224-9_60

50. Pribelaj, I., Ibrajter N., **Ivanovic M.**, Svetovid Special Submission Environment for Students Assessment , *Proc. of Second Balkan Conference in Informatics*, Ohrid, FYROM, November 17-19, 2005, pp. 228-230.
49. **Ivanovic M.**, Budimac Z., Software Engineering Studies - a Step to Virtual University, *Proc. of Second Balkan Conference in Informatics*, Ohrid, FYROM, November 17-19, 2005, pp. 13-21. (invited lecture)
48. Simić, D., Budimac, Z., Kurbalija, V., **Ivanović, M.**, Case based reasoning for financial prediction. In *Proc. of IEA-AIE Conference, 2005* (Moonis, A., Esposito, F., eds.), Lecture Notes in Artificial Intelligence vol. 3533 , Springer Verlag, Berlin, pp. 839-841, ISBN 3-540-26551-1, 2005.
47. Ivanović, M., **Budimac, Z.**, Development of Adaptable Systems, In *Proc. of Pre-Conference Workshop of VLDB 2003 – Emerging Database research in East Europe* (Berlin, Germany), 2003, Thalheim, B., Fiedler, G., eds., pp. 67 - 72.
46. **Budimac, Z.**, Ivanović, M. , Pešović, D., and Ibrajter, N., Implementation of a workflow management system using mobile agents, In *Proc. of CS&P conference* (Czarna, Poland), 2003, Czaja, L., ed., pp. 92 - 107.
45. **Ivanović, M.** , Putnik, Z., and Budimac, Z., Conference workflow - a formalization of a conference management process, In *Proc. of 1st Balkan conf. In Informatics* (Thessalonikmi, Greece), 2003, Manolopoulos, Y., Spirakis, P. eds., pp. 58 - 66.
44. **Ivanović, M.** and Ibrajter, N., About distributed and mobile objects and components in Java, In *Proc. of 2nd CiiT 2002* (Bitola, Macedonia), 2002, Gusev, M., Markovski, S., eds., pp. 234 -245.
43. Takači, A. and **Ivanović, M.**, Sub-optimal Journey Supported by Agents, In *Proc. of JCKBSE 2002* (Maribor, Slovenia), 2002, published by IOS press, Frontiers in Artificial Intelligence and Applications vol. 80, Amsterdam, Welzer, T., Yamamoto, S., and Rozman, eds., pp. 21 -27.
42. **Ivanović, M.**, Kurbalija, V., Budimac, Z., Semnic, M., Role of Case-Based Reasoning in neurology Decision Support, In *Proc. of JCKBSE 2002* (Maribor, Slovenia), 2002, published by IOS press, Frontiers in Artificial Intelligence and Applications vol. 80, Amsterdam, Welzer, T., Yamamoto, S., and Rozman, eds., pp. 255 - 263.
41. Bađonski, M., **Ivanović, M.**, and Takači, A., Using Fuzzy Logic in Agent Programming, *Bull. App. Math XCIX 2002*, Hungary, 152-158.
40. **Ivanović, M.**, Budimac, Z., Workflow Decision System and Electronic Commerce in Agricultural Domains, In *Proc. of EFITA 01*, (Montpellier, France), Steffe, J., ed., 2001, pp. 469 - 474.
39. **Ivanović, M.**, Budimac, Z., Ibrajter, N., and Petrović, S., Pascal Animator. In *Proc. of CAL 2001* (Coventry, Great Britain) 2001, pp. 301-303.
38. **Ivanović, M.**, Database and Information Systems Research in Yugoslavia. In *Proc. of 2000 ADBIS-DASFAA* (Prague, Czech Republic), Masunaga, Y., Pokorný, J., Štuller, J., Thalheim, B, eds., 2000, pp. 229-233.
37. Bađonski, M., **Ivanović, M.**, and Takači, A., Agent-Based Traveling. In *Proc. of 2000 ADBIS-DASFAA* (Prague, Czech Republic), Masunaga, Y., Pokorný, J., Štuller, J., Thalheim, B, eds., 2000, pp. 11-20.
36. **Ivanović, M.**, Budimac, Z., and Pešović, D., Agent-Oriented Workflow with Decision Support. In *Proc. of JCKBSE 2000* (Brno, Czech Republic), Hruška, T. and Hashimoto, M., eds., Frontiers in Artificial Intelligence and Applications, IOS Press, Amsterdam, 2000, pp. 239 - 246.
35. **Ivanović, M.**, Budimac, Z., Dudan, Z., and Stevanović, S., Using Software Agents in Implementation of Workflow Systems. In *Proc. of 4. IEEE Int. Baltic Workshop on Databases & Information Systems* (Vilnius, Lithuania), pp.225 - 234, 2000.

34. **Ivanović, M.** and Budimac, Z., A Framework for Agent-Oriented Workflow in Agriculture. In *Proc. of ICCIMA 99* (New Delhi, India), Tittsworth, F. ed., IEEE Computer Society, 1999, pp. 18 - 22.
33. **Ivanović, M.** and Budimac, Z., Application of Agent-Oriented Workflow in Agriculture. In *Proc. of EFITA 99, vol A* (Bonn, Germany), Schiefer, G., Helbig, R., Rickert, U., eds., 1999, pp. 337 - 344.
32. Takači, A., Bađonski, M. and **Ivanović, M.**, Implementing Multi-Agent Global Travel Agency, *Bull. App. Math.* 1664/99 (XC-A), Hungary, 1999, pp. 35 - 40.
31. Budimac, Z., **Ivanović, M.**, and Popović, A., Workflow Management System Using Mobile Agents. In *Proc. of ADBIS '99, Lecture Notes in Computer Science* (Maribor, Slovenia) Vol. 1691, Springer, 1999, ISBN 3-540-66485-8, 169 - 178, 1999.
30. Budimac, Z., **Ivanović, M.**, and Popović, A., An Infrastructure for a General, Highly Decentralized Workflow using Mobile Agents. In *Proc. of CEEMAS '99* (St. Petersburg, Russia), position statement, 1999, pp. 322 - 324.
29. Bađonski, M. and **Ivanović, M.**, Java Package for Agent Implementation. In *Proc. of JCKBSE '98* (Smolenice, Slovakia), Návrat, P. and Ueno, H., K., eds., *Frontiers in Artificial Intelligence and Applications* vol. 48, IOS Press, Amsterdam, 1999, pp. 43 - 46.
28. Bađonski, M., **Ivanović, M.**, and Budimac, Z., An Evolutionary Approach to Self-Modification of Multi-Agent Systems. In *Proc. of PERVS '98* (Krakow, Poland), 1998, pp. I/1 - I/8.
27. Bađonski, M., **Ivanović, M.**, and Budimac, Z., Software Specification using LASS. In *Proc. of ASIAN '97* (Kathmandu, Nepal), Shyamasundar, R. K. and Ueda, K., eds., *Lecture Notes in Computer Science* vol. 1345, Springer Verlag, Berlin, 1997, pp. 375-376.
26. Bađonski, M. and **Ivanović, M.**, An Application of Multiagent Theory in Agriculture. In *Proc. of ICIPS '97 (IEEE International Conf. on Intelligent Processing Systems)* (Beijing, China), 1997, pp. 866 - 870.
25. Bađonski, M., **Ivanović, M.**, and Budimac, Z., Intelligent Tutoring System as Multiagent System. In *Proc. of ICIPS '97 (IEEE International Conf. on Intelligent Processing Systems)* (Beijing, China), 1997, pp. 871 - 875.
24. Bađonski, M., **Ivanović, M.**, and Budimac, Z., Possibility of using Multiagent System in Education. In *Proc of IEEE SMC '97 (Int. Conf. on Systems, Man and Cybernetics)* (Orlando, FL, U.S.A.), pp. 588-593, 1997.
23. Budimac, Z., **Ivanović, M.**, and Szarapka, L., A Critique of Current Intermediate Functional Programming Languages. In *Proc. of V Symposium on Programming Languages and Software Tools* (Jyväskylä, Finland), pp. 106-115, 1997.
22. Bađonski, M. and **Ivanović, M.**, Multiagent System for Determination of Optimal Hybrid for Seeding. In *Proc of First European Conf. on Information Technology in Agriculture (EFITA)* (Copenhagen, Denmark), 1997, pp. 401 - 404.
21. Bađonski, M. and **Ivanović, M.**, Personal Digital Assistant Programmed in LASS, *Bull. App. Math.* 1335/97 (LXXXI-B), Hungary, 1997, pp. 191 - 198.
20. Szarapka, L., Budimac, Z., and **Ivanović, M.**, Translating an Abstract SECD Machine Code into Modula-2, *Bull. App. Math.* 1350/97 (LXXXII), Hungary, 1997, pp. 87 - 94.
19. Budimac, Z., **Ivanović, M.**, Radenković, S., and Šendula, D., On the Construction of Persistent General Abstract Syntax Trees. In *Proc. of Short Presentations of JMLC '97 (Joint Modular Languages Conference)* (Linz, Austria), pp. 61-74, 1997.
18. Budimac, Z., **Ivanović, M.**, and Ćivkov, S., On the Design of a Functional Programming Framework. In *Proc. of IEEE SMC '96 (Int. Conf. on Systems, Man, and Cybernetics)* (Beijing, China), pp. 1548-1552, 1996.

17. **Ivanović, M.** and Budimac, Z., A Framework for Developing Multimedial Authoring Systems. In *Proc. of IEEE SMC '96 (Int. Conf. on Systems, Man, and Cybernetics)* (Beijing, China), pp. 1333-1338, 1996.
16. **Ivanović, M.**, Bađonski, M., and Kavgić, P., Expert System for Determination of Optimal Hybrid for Seeding. In *Proc. of ICCTA '96/VIAS/NNAA Congress on ICT Applications in Agriculture* (Wageningen, The Netherlands), 1996, 653 - 658.
15. Bađonski, M. and **Ivanović, M.**, Knowledge Representation in Systems for Determination of Optimal Plant for Seeding, *Bull. Appl. Math.* 1234/96 (LXXIX), 1996, pp. 343-352.
14. Szarapka, L., Budimac, Z., and **Ivanović, M.**, On the Cost of Type Checking in Polymorphic Functional Programs. In *Proc. of IV Symposium on Programming Languages and Software Engineering* (Visegrad, Hungary), Varga, L., ed., 1995, 336-348.
13. Budimac, Z., Szarapka, L., Putnik, Z., and **Ivanović, M.**, Dependency Analysis in a Compiler of Functional Language, *Bull. Appl. Math.* 1047/94 (LXXIV), 1994, 43-50.
12. Živkov, S., **Ivanović, M.**, and Budimac, Z., A Specification of ISWIM by S-Attributed Grammars, *Bull. Appl. Math.* 1056/94 (LXXIV), 1994, 127-134.
11. **Ivanović, M.** and Budimac, Z., Intelligent Tutoring Systems Using Less, In *Proc. of Synopsis Preprints of I Balkan IFAC-Type Conference on AAS* (Ohrid, Macedonia), 1993, 213-214.
10. **Ivanović, M.** A HyperText Shell Using Less. In *Bulletins for Applied Mathematics*, 1231/96 (LXXIX), 1996, pp. 313-324.
9. **Ivanović, M.**, Nikolajević, M., and Budimac, Z., Another Algorithm for Pattern Matching Compilation. In *Bulletins for Applied Mathematics*, 1993, 1235/96 (LXXIX), pp. 353-364.
8. Budimac, Z. and **Ivanović, M.**, On Multi-Paradigm Environment based on Modula-2. In *Proc. of II European Modula-2 Conference*, (Leicester, England), 1992, 256-263.
7. **Ivanović, M.** and Budimac, Z., Less - An Authoring Object Oriented Programming Language. In *Proc. of 17th International Summer School with Conference "Information Technologies and Programming"*, (Sofia, Bulgaria), 1992, 77-82.
6. Putnik, Z., Budimac, Z. and **Ivanović, M.**, Some Improvement of a LispKit LISP Syntax Analyzer. In *Proceedings of I International Symposium DECSYM '92* (Side-Antalia, Turkey), 1992, 243-252.
5. Budimac, Z. and **Ivanović, M.**, On a Specialized Language for Information (Re)presentation. In *Proceedings of I International Symposium DECSYM '92* (Side-Antalia, Turkey), 1992, 175-187.
4. Budimac, Z. and **Ivanović, M.**, On some Modula-2 Influences to an Implementation of Functional Language. In *Proceedings of II International Conference "Modula-2 and beyond"* (Loughborough Leicestershire, Great Britain), 1991, 322 - 331.
3. **Ivanović, M.**, Paunić, Đ. and Budimac, Z., A Tool for General CAI Lesson Creation. In *Proceedings of XVI International Summer School "Programming '91"* (Sofia, Bulgaria), 1991, 107-110.
2. Budimac, Z. and **Ivanović, M.**, An Improved Implementation of the LispKit Lisp Language. In *Proceedings of XVI International Summer School "Programming '91"* (Sofia, Bulgaria), 1991, 101-104.
1. Budimac, Z. and **Ivanović, M.**, New Data Type in Pascal. In *Proceedings of the DECUS Europe Symposium* (The Hague, Holland), 1989, 193 - 199.

V Papers published in Proceedings of International Conferences (held in Yugoslavia)

14. Putnik, Z., **Ivanović, M.**, Budimac, Z., Extending The Notion of Computing Literacy, 4th International Conference "Informatics, Educational Technology and New Media in Education", (Sombor, Serbia), pp. 167 - 179, 2007.
13. Kurbalija, V., **Ivanović, M.**, Artificial intelligent support for medical diagnosis. In *Proc. Workshop on computational intelligence and information technologies* (Niš, Serbia-Montenegro), R. Stanković, C. Moraga, eds. 2003, pp. 69-72.
12. Bađonski, M. and **Ivanović, M.**, LASS - A Language for Agent-Oriented Software Specification. In *Proc. of VIII Int. Conf. on Logic and Computer Science "LIRA '97"* (Novi Sad, Yugoslavia), eds. Tošić, R. and Budimac, Z., pp. 9-18, 1997.
11. Szarapka, L. and **Ivanović, M.**, Optimizing Abstract SECD Machine Code. In *Proc. of VIII Int. Conf. on Logic and Computer Science "LIRA '97"* (Novi Sad, Yugoslavia), eds. Tošić, R. and Budimac, Z., pp. 207-214, 1997.
10. Živkov, S., **Ivanović, M.**, Budimac, Z., A Preprocessor for Transformation of Context-free Grammar to Reduced one. In *Proceedings of XIII Intern. Conference on Information Technology Interfaces*, (Cavtat, Yugoslavia), eds. V. Čerić, V. Dobrić, V. Lužar, R. Paul, University Computing Centre, Zagreb, 1991, 541-546.
9. Budimac, Z., **Ivanović, M.**, Putnik, Z., A Representation Scheme for Graphical Objects Based on Function Definitions in Functional Language. In *Proceedings of XIII Intern. Conference on Information Technology Interfaces*, (Cavtat, Yugoslavia), eds. V. Čerić, V. Dobrić, V. Lužar, R. Paul, University Computing Centre, Zagreb, 1991, 255-260.
8. Budimac, Z., **Ivanović, M.**, An Implementation of Function APPLY in a Compiler of Functional Language LispKit LISP. In *Proceedings of XIII Intern. Conference on Information Technology Interfaces*, (Cavtat, Yugoslavia), eds. V. Čerić, V. Dobrić, V. Lužar, R. Paul, University Computing Centre, Zagreb, 1991, 125-130.
7. **Ivanović, M.**, Paunić, Đ. and Budimac, Z., A Framework for Information (Re)presentation. In *Proceedings of XIII Intern. Conference on Information Technology Interfaces*, (Cavtat, Yugoslavia), eds. V. Čerić, V. Dobrić, V. Lužar, R. Paul, University Computing Centre, Zagreb, 1991, 105-110.
6. Budimac, Z. and **Ivanović, M.** A Useful Pure Functional Language Interpreter. In *Proceedings of XII International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1990, 3.17.1 - 3.17.6.
5. Surla, D. and **Ivanović, M.**, An Algorithm for Constructing the Two-Dimensional Voronoi Diagrams in the L_1 -Metric. In *Proceedings of XII International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1990, 3.12.1 - 3.12.6.
4. Putnik, Z., Budimac, Z., **Ivanović, M.**, Paunić, Đ. and Jerinić, Lj., Using Pictures in General Purpose Educational Software - OSOF. In *Proceedings of XII International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1990, 1.3.1 - 1.3.6.
3. Budimac, Z., Putnik, Z., **Ivanović, M.**, Paunić, Đ. and Jerinić, Lj., General Purpose Educational Software with "Simulation" Ability - OSOF. In *Proceedings of XII International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1990, S1.5.1 - S1.5.6.
2. Surla, D. and **Ivanović, M.**, An Algorithm for Constructing the Voronoi diagram. In *Proceedings of XI International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1989, 11.10.1-11.10.6.
1. **Ivanović, M.** and Budimac, Z., Usage of S-Expression in Pascal. In *Proceedings of XI International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1989, 3.18.1 - 3.18.6.

VI Papers published in Proceedings of National Conferences

62. **Ivanović, M.**, Komlenov, Ž., Putnik, Z.: "International Cooperation Leading to Improvement of High Education Quality", International Scientific-expert Conference "Quality and Excellence in Education", Belgrade, Serbia, 15. April 2015., pp. 274-282. <http://www.mef.edu.rs/>
61. Vesin, B., Klašnja-Milićević, A., Ivanović, M., Budimac, Z., Personalizovano učenje u tutorskim sistemima, *IV simpozijum Matematika i primene, Matematički fakultet*, Beograd, 2013, pp 127-137.
60. Aleksić, V., **Ivanović, M.** (2014). Uticaj računarskih igara na socijalne veštine učenika. Konferencija Tehnika i Informatika u Obrazovanju - TIO 2014, Zbornik radova, Čačak, maj 2014, str. 409-413. ISBN: 978-86-7776-164-6 (M63) <https://dl.dropboxusercontent.com/u/18293861/Zbornik%20radova%20TIO%202014.pdf>
59. Mitrović D., **Ivanović M.**, Vidaković M., Sredojević D. i Okanović D., "INTEGRACIJA AGENTSKOG JEZIKA ALAS U JAVA AGENTSKO OKRUŽENJE XJAF", Zbornik radova YU INFO 2014, Kopaonik, 2014 (5 strana)
58. **Ivanović, M.**, Putnik, Z., Budimac, Z., An Overview of Trends in Teachers Training and Advancements in Serbia, Proc. of 17th National Conference on Teaching of Informatics DidInfo 2011, Banska Bystrica, Slovakia, pp. 119-123, <http://didinfo.umb.sk>, 2011
57. Budimac, Z., **Ivanović, M.**, Putnik, Z., Komlenov, Ž., Pribela, I., Klašnja-Milićević, A., Vesin, B.: "E-Learning At The Department Of Mathematics And Informatics – From The First Steps To Elements Of Web 2.0", Proc. of the Conference "E-Learning, Way Towards Society of Knowledge", Beograd, Serbia, pp. 94-98, 2010. Zbornik radova konferencije "Elektronsko ucenje, na putu ka drustvu znanja", Beograd, Srbija, pp. 94-98, 2010.
56. Klašnja A., **Ivanović M.**, Design and Implementation of an Online Bookstore, *In Proceedings of PRIM2006, 17th Conference on Applied Mathematics*, Kragujevac, pp. 137-146.
55. Prodanović N., **Ivanović M.**, A Tool for Checking Java Style, *In Proceedings of PRIM2006, 17th Conference on Applied Mathematics*, Kragujevac, pp.173-183.
54. Pracner D., Tomašev N., Radovanović M., **Ivanovic M.**, Categorizing CoreWar Warriors, *In Proceedings of PRIM2006, 17th Conference on Applied Mathematics*, Kragujevac, pp. 161-171.
53. **Ivanovic M.**, Budimac Z., Ibrajter N., Pascal Animator, *Druga medjunarodna naucno-strucna konferencija "Informatika, obrazovna tehnologija i novi mediji u obrazovanju"*, Sombor, Srbija i Crna gora, April 2005.
52. Putnik Z., **Ivanovic M.**, Primer primene iskustava stecenih saradnjom na medjunarodnom obrazovnom projektu u nastavi, *Druga medjunarodna naucno-strucna konferencija "Informatika, obrazovna tehnologija i novi mediji u obrazovanju"*, Sombor, Srbija i Crna gora, April 2005.
51. Radovanović, M., **Ivanović, M.**, Search based on ontologies, *In Proceedings of PRIM2004, 16th Conference on Applied Mathematics*, Budva, Serbia and Montenegro, 2004, pp. 255-266
50. Vesin B., **Ivanović M.**, Modern Educational Tools, *In Proceedings of PRIM2004, 16th Conference on Applied Mathematics*, Budva, Serbia and Montenegro, 2004, 293-302
49. Radovanović, M., **Ivanović, M.**, An Implementation of LispKit Lisp in Java. In *Proc. of XV Conf. on Applied Mathematics PRIM 2002*, (Zlatibor, Serbia&Montenegro), 2003, pp. 169-178.
48. Vesin, B., **Ivanović, M.**, Procena funkcionalnosti sistema. In *Proc. of XVIII Info-Teh conference* (Vrnjačka banja, Serbia&Montenegro), 2003, pp. 112 - 120.

47. Budimac, Z., **Ivanović, M.**, Pešović, D., Ibrajter, N., Realizacija opšte arhitekture sistema za upravljanje tokom poslova pomoću mobilnih agenata. In *Proc. of XVIII Info-Teh conference* (Vrnjačka banja, Serbia&Montenegro), 2003, 2003, pp. 151 - 159.
46. Ibrajter N., Budimac Z., **Ivanović M.**, Uticaj načina polaganja ispita na uspeh studenata iz predmeta "Programski jezici", *I Yugoslav Conference on Teaching Informatics "NARA 2003"*, Novi Sad, Yugoslavia, September 2003. Invited paper.
45. **Ivanović M.**, History of the most important programming languages, *I Yugoslav Conference on Teaching Informatics "NARA 2002"*, Novi Sad, Yugoslavia, June 2002, printed in conference proceedings, 27-46. Invited paper.
44. Putnik Z., **Ivanović M.**, Distance learning - curent state of the art and trends, *I Yugoslav Conference on Teaching Informatics "NARA 2002"*, Novi Sad, Yugoslavia, June 2002, printed in conference proceedings, 97-106. Invited paper.
43. Putnik, Z., **Ivanović, M.**, and Pešović, D., Application of Workflow Technology in Sport. In *Proc. of VI Conference on Computer Science in Sport* (Novi Sad, Yugoslavia), 2003, 331 - 341.
42. Putnik, Z., Budimac, Z. and **Ivanović, M.**, Workflow Technology and its Important Applications. In *Proc. of XII Conference on Industrial Systems IS 2002* (Vrnjačka banja, Yugoslavia), pp. 441 - 446, 2002.
41. **Ivanović, M.**, Putnik, Z., Budimac, Z. and Babjak, P., An Application of Workflow Methodology in Design of Information Systems. In *Proc. of VJINFO 2001* (Belgrade, Yugoslavia), (http://www.vj.yu/vojska_s/obrazov/savetovanje/projis-3april/workflow.htm), in print, 2001 (in Serbian).
40. **Ivanović, M.**, Budimac, Z., Pešović, D., Dudan, Z., Stevanović, S., Agent Approach to Modeling of Workflow with Elements of Decision Support. In *Proc. of XV Conf. "Info-Teh 2000"* (Vrnjačka banja, Yugoslavia), pp. 251 - 255, 2000 (in Serbian).
39. **Ivanović, M.**, Budimac, J., Influence of Information Technology on Small Children. In *Proc. of IX Conf. on "Informatics in education - Quality and new information technologies"* (Zrenjanin, Yugoslavia), pp. 26 - 34, 2000 (in Serbian).
38. Budimac, Z., **Ivanović, M.**, Dudan, Z., Stevanović, S., Using Agents in Realization of Workflow Infrastructure with Centralized and Decentralized Type. In *Proc. of "YU INFO 2000" - VI Conf. on Computer Science* (Kopaonik, Yugoslavia), CD issue, 2000 (in Serbian).
37. **Ivanović, M.**, Budimac, Z., Dudan, Z., Stevanović, S., A Proposal for the Architecture of Agent-Oriented Workflow. In *Proc. of INFOFEST 99* (Budva, Yugoslavia), pp. 146 - 151, 1999.
36. Budimac, Z., **Ivanović, M.**, Popović, A., Dudan, Z., Stevanović, S., A Proposal for a Workflow Infrastructure using Mobile Agents. In *Proc. of "YU iNFO 99" - V Conf. on Computer Science* (Kopaonik, Yugoslavia), CD issue, 1999.
35. **Ivanović, M.**, On the Choice of the First Programming Language for Students of Computer Science, In *Proc. of "PRIM '97" - XII Conf. on Applied Mathematics* (Subotica, Yugoslavia), Herceg, D., Surla. K., eds., pp. 79 - 86, 1998.
34. Bađonski, M., Budimac, Z., Dudan, Z., **Ivanović, M.**, Stevanović, S., Paunić, Đ., and Živkov, S., Programming Language "PLES" and Software Components, In *Proc. of XII Info-Tech Conference* (Vrnjačka Banja, Yugoslavia), Starčević, D. and Pantović, V., eds. pp. 117 - 122, 1997 (in Serbian).
33. Bađonski, M. and **Ivanović, M.**, *MAKREL - A Language for Multiagent Knowledge Representation*, In *Proc. of XLI Conf. of ETRAN* (Zlatibor, Yugoslavia), Đorđević, J., Stanković, S., eds., 247-249, 1997 (in Serbian).

32. **Ivanović, M.**, Bađonski, M. and Budimac, Z., *Programming Language PLES and its Usage*, In *Proc. of XLI Conf. of ETRAN* (Zlatibor, Yugoslavia), Đorđević, J., Stanković, S., eds., 40-42, 1997 (in Serbian).
31. Šendula, D. and **Ivanović, M.**, Garbage Collector as an Abstract Data Type, In *Proc. of "PRIM '96" - XI Conf. on Applied Mathematics* (Budva, Yugoslavia), pp. 391 - 397, 1997.
30. Mačoš, D., Budimac, Z., and **Ivanović, M.**, An Interpreter of Extended λ -Calculus Using Monads, In *Proc. of "PRIM '96" - XI Conf. on Applied Mathematics* (Budva, Yugoslavia), pp. 175 - 180, 1997.
29. Bađonski, M., Budimac, Z., Dudan, Z., **Ivanović, M.**, Paunić, Đ., Stevanović, S., and Živkov, S., An Interaction of Specialized Programming Language "PLES" with its Environment, In *Proc. of "YU INFO '97"* (Brezovica, Yugoslavia), Đorđević, B., ed. pp. 348 - 352, 1997 (in Serbian).
28. Bađonski, M., Budimac, Z., **Ivanović, M.**, Paunić, Đ., On Specialized Language for Flexible Information Systems, In *Proc. of Conf. on Information Technologies "IT '97"* (Žabljak, Yugoslavia), 211-214, 1997 (in Serbian).
27. **Ivanović, M.**, Towards Component-Oriented Compiler Generators. In *Proc. of VII Conference of Logic and Computer Science "LIRA '95"* (Novi Sad, Yugoslavia), eds. Paunić, Đ. and Tošić, R., pp. 53-59, 1997.
26. **Ivanović, M.**, An Influence of Information Technology to Education . In *Proc. of V Conference "Informatics in Education and New Information Technologies"* (Novi Sad, Yugoslavia), 1995, 108-112 (in Serbian).
25. Bađonski, M. and **Ivanović, M.**, A Prototype of Decision Support System for the Choice of Optimal Corn Hybrid. In *Proc. of 39. Conference of ETRAN* (Zlatibor, Yugoslavia), 1995, eds. Đorđević, Đ. and Stanković, S., 298-301 (in Serbian).
24. **Ivanović, M.** and Vukelić, T., Usage of ZF-Expressions in Procedural Programming Languages. In *Proc. of 39. Conference of ETRAN* (Zlatibor, Yugoslavia), 1995, eds. Đorđević, Đ. and Stanković, S., 187-189.
23. **Ivanović, M.** and Budimac, Z., An Operator apply and the SECD Machine. In *Proc. of 9. Conference on Applied Mathematics* (Budva, Yugoslavia), Herceg, D., Cvetković, Lj., eds. 1995, 285-291.
22. **Ivanović, M.**, A Shell for General Presentation using Less. In *Proc. of 38. Conference of ETRAN, part 3* (Niš, Yugoslavia), Lazović, S. ed. 1994, 15 - 16.
21. Živkov, S. and **Ivanović, M.**, A Short Introduction to an Implementation of ISWIM. In *Proc. of 38. Conference of ETRAN, part 3* (Niš, Yugoslavia), ed. S. Lazović, 1994, 195 - 196.
20. **Ivanović, M.**, Problem Solving and Programming. In *Proc. of the Yugoslav Conference "Computer Science in Education and New Technologies"* (Novi Sad, Yugoslavia), 1994, 56-64 (in Serbian).
19. **Ivanović, M.** and Paunić, Đ., Structure of an Authoring System Shell Using Less Language. In *Proceedings of 37. Conference of ETAN, part 8* (Belgrade, Yugoslavia), 1993, pp. 315-320 (in Serbian).
18. Budimac, Z., Mačoš, D., and **Ivanović, M.**, Another Bracket Abstraction Algorithm. In *Proc. of 8. Conference on Applied Mathematics* (Tivat, Yugoslavia), ed. M. Jaćimović, 1993, 23-28.
17. Putnik, Z., **Ivanović, M.** and Budimac, Z., An Application of Dependency Analysis in an Implementation of Functional Programming Languages. In *Proceedings of 37. Conference of ETAN, part 8* (Belgrade, Yugoslavia), 1993, pp. 351-356 (in Serbian).
16. **Ivanović, M.** and Paunić, Đ., Towards Systematization of Information (Re)Presentation Software. In *Proceedings of VI Conference on Logic and Computer Science "LIRA '92"*, (Novi Sad, Yugoslavia), eds. Tošić, R. and Paunić, Đ., 1992, pp. 43-50.

15. Putnik, Z., Budimac, Z. and **Ivanović, M.**, Dependency Analysis in an Untyped Functional Language: an Exercise in Functional Programming. In *Proceedings of VI Conference on Logic and Computer Science "LIRA '92"*, (Novi Sad, Yugoslavia), eds. Tošić, R. and Paunić, Đ., 1992, pp. 99-106.
14. **Ivanović, M.** and Paunić, Đ., On Class Hierarchy for Domain Representation, accepted for presentation on XVI Symposium on Information Technologies "Sarajevo-Jahorina 1992", printed in *Articles of the Institute of Mathematics*, no. 1, 1992, 41-48, (in Serbian).
13. Budimac, Z. and **Ivanović, M.**, Two Approaches to the "Mark and Sweep" Garbage Collection Algorithm, accepted for presentation on XVI Symposium on Information Technologies "Sarajevo-Jahorina 1992", printed in *Articles of the Institute of Mathematics*, no. 1, 1992, 33-40.
12. **Ivanović, M.**, Putnik, Z. and Budimac, Z., Computer Graphics and LispKit LISP - an Overview of Implementation, accepted for presentation on XVI Symposium on Information Technologies "Sarajevo-Jahorina 1992", printed in *Articles of the Institute of Mathematics*, no. 1, 1992, 25-32.
11. **Ivanović, M.**, Paunić, Đ., Budimac, Z., (Re)presentation of Information in Computer Aided Instruction. In *Proceedings of the Yugoslav Conference "Computer Science in Education and New Technologies"* (Novi Sad, Yugoslavia), 1991, 38-1 - 38-9 (in Serbian).
10. Budimac, Z. and **Ivanović, M.**, An Implementation of Functional Language using S-expressions. In *Proceedings of XIV Information Technologies Conference "Sarajevo-Jahorina 90"* (Sarajevo, Yugoslavia), 1990, 111-1 - 111-8.
9. Budimac, Z., Paunić, Đ., **Ivanović, M.** and Jerinić, Lj., The Structure of Educational Software in Mathematics. In *Proceedings of XIII Information Technologies Conference "Sarajevo-Jahorina 89"* (Sarajevo, Yugoslavia), 1989, 250-1 - 250-4, (in Serbian).
8. Jerinić, Lj., Paunić, Đ., Budimac, Z. and **Ivanović, M.**, The Development and Use of Educational Software in Autonomous Province Vojvodina. In *Proceedings of XIII Information Technologies Conference "Sarajevo-Jahorina 89"* (Sarajevo, Yugoslavia), 1989, 230-1 - 230-5, (in Serbian).
7. **Ivanović, M.** and Budimac, Z., Improving of Parser Based on Precedence Grammar. In *Proceedings of X International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1988, 3.5.1 - 3.5.4, (in Serbian).
6. Jerinić, Lj., Paunić, Đ., Budimac, Z. and **Ivanović, M.**, A Universal Programming Package for Use of Computers in Learning and Testing. In *Proceedings of X International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1988, 1.13.1 - 1.13.4, (in Serbian).
5. Paunić, Đ., Jerinić, Lj., Budimac, Z. and **Ivanović, M.**, A Universal Programming Package for Use of Computers in Education. In *Proceedings of X International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1988, 1.12.1 - 1.12.4, (in Serbian).
4. **Ivanović, M.** and Stojković, V., Parsing of Query Language EL. In *Proceedings of XII Information Technologies Conference "Sarajevo-Jahorina 88"* (Sarajevo, Yugoslavia), 1988, 63-1 - 63-8, (in Serbian)
3. **Ivanović, M.**, Turbo-Pascal vs Pascal. In *Proceedings of IX International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1987, 3S.01-1 - 3S.01-4.
2. Budimac, Z., **Ivanović, M.**, and Stojmenović, I., On Execution of Recursive Procedures in FORTRAN. In *Proceedings of XI Information Technologies Conference "Sarajevo-Jahorina 87"* (Sarajevo, Yugoslavia), 1987, 263-1 - 263-8, (in Serbian).
1. **Ivanović, M.**, Stojković, V., Budimac, Z., and Putnik, Z., An Implementation of Mini-BASIC Interpreter in LispKit Lisp Language. In *Proceedings of VII International Symposium "Computer at the University"* (Cavtat, Yugoslavia), 1985, 102 1 - 102 12, (in Serbian).

VII Theses

2. **Ivanović, M.**, A Contribution to the Development of Programming Languages using Object-Oriented Methodology, Ph. D. Thesis, University of Novi Sad, 164 pages, June 1992 (in Serbian).
1. **Ivanović, M.**, An Implementation of Parser Based on Simple Precedence Grammars, Master thesis, University of Novi Sad, March 1988, 125 pages, (in Serbian).

Books (in Serbian)

17. Ivanović M., Budimac Z., Radovanović M., Mitrović D., *Programming Language Java*, Sibra Publishing Co., Belgrade, University textbook. 2016.
15. Budimac, Z., **Ivanović, M.**, and Paunić, Dj., *Introduction to Programming and Programming Language Modula-2*, University Textbooks, University of Novi Sad, Novi Sad, 360 pages, 2011, New Edition.
14. Budimac Z., Ivanović M.: „Selected Topics on Software Engineering and Contemporary Software Technologies“, Editors, Faculty of Science, Novi Sad, 2008. p. 320. ISBN 978-86-7031-112-1.
13. Budimac Z., Ivanović M., Putnik Z.: „Software Project Management“, Faculty of Science, Novi Sad, 2007.
12. Ivanović M., Bađonski M., Budimac Z., Pešović D., *Programming Language Java*, Symbol Publishing Co., Novi Sad, University textbook. 2005, (second edition 2006).
11. Budimac, Z., Ibrajter, N., **Ivanović, M.**, *Introduction to Delphi*, Computers in University Practice - 12, Department of Mathematics and Informatics, Novi Sad, 2004.
10. Ivanović, M., Bađonski, M., Popović, A., and Radovanović, M., *Exercises in Programming*, “Feljton” and Faculty of Science, Novi Sad, Novi Sad, 223 pages, 2003.
9. Herceg, Đ. and **Ivanović, M.**, *Introduction to Excel*, Computers in University Practice - 12, Institute of Mathematics, Novi Sad, 98 pages, 2000.
Second edition, 2000; Third edition, 2002;
8. Budimac, Z., **Ivanović, M.**, and Putnik, Z., *Introduction to Computers and Operating System MS-DOS*, Computers in University Practice - 8, Institute of Mathematics, Novi Sad, 126 pages, 1998.
Second edition, 2000; Third edition, 2001.
7. Budimac, Z., **Ivanović, M.**, and Paunić, Đ., *Introduction to Programming and Programming Language Modula-2*, University Textbooks no. 81, University of Novi Sad, Novi Sad, 360 pages, 1998.
6. Budimac, Z., **Ivanović, M.**, Bađonski, M., and Tošić, D., *Programming Language Scheme*, University Textbooks no. 80, University of Novi Sad, Novi Sad, 196 pages, 1998.
5. Budimac, Z., **Ivanović, M.**, and Paunić, □., *Programming Language Modula-2*, Institute of Mathematics, Faculty of Science, University of Novi Sad, Novi Sad, 1996. 350 pages.
4. Bošnjak, I., Budimac, Z., **Ivanović, M.**, Jerinić, Lj., Madarász, R. Sz., Nedeljkov, M., Racković, M., Teofanov, N., and Tepavčević, A., *Exercises in Mathematics*, Institute of Mathematics, Faculty of Science, University of Novi Sad, Novi Sad, 279 pages, 1995.
3. **Ivanović, M.**, Budimac, Z., Tošić, D. and Putnik, Z., *Programming Mindstorms*, Tehnička knjiga, Beograd, 1992 198 pages.
2. Tošić, D., **Ivanović, M.**, Budimac, Z. and Putnik, Z., *Mathematical and Programming Problems*, Arhimedes, Beograd, 1992, 36 pages.

1. Budimac, Z., **Ivanović, M.**, Putnik, Z. and Tošić, D., LISP by Examples, Institute of Mathematics, Novi Sad, 1991, 254 pages. **Second edition**, 1994.

Professional Papers (in Serbian)

7. **Ivanović, M.**, Syntax of Programming Languages, *Tangenta*, 13(1998), 6 - 9.

6. Budimac, Z. and **Ivanović, M.**, Divide and Conquer, *Tangenta*, 10(1998), 14 - 19.

5. **Ivanović, M.** and Paunić, Đ., Sums and Products, *Tangenta*, 3(1996), 7 - 11.

4. Jerinić, Lj., Budimac, Z., **Ivanović, M.** and Paunić, Đ., Artificial Intelligence in School, *YU 21*, 8(1988), 46 - 48.

3. Jerinić, Lj., Budimac, Z., **Ivanović, M.** and Paunić, Đ., An Universal Programming Package for Usage of Computers in Programmed Education, *Misao* 13 (1988) 11, 19.

2. Budimac, Z., Jerinić, Lj., **Ivanović, M.** and Paunić, Đ., OSOF for students, *Svet kompjutera*, february (1988), 21 - 22.

1. Budimac, Z., Jerinić, Lj., **Ivanović, M.** and Paunić, Đ., Educational Package from Novi Sad, *Svet kompjutera*, january (1988), 20.

Registered Software Packages

4. Budimac, Z., **Ivanović, M.**, A Lazy SECD machine Simulator, version Nuam/ISECD. *Authoring Bureau of Yugoslavia - Department for Republic of Serbia, Copyright No. S-64/92*, July 21, 1992.

3. Budimac, Z., **Ivanović, M.**, Živkov, S., Strict ISWIM Compiler, version Nui/SECD. *Authoring Bureau of Yugoslavia - Department for Republic of Serbia, Copyright No. S-63/92*, July 21, 1992.

2. Budimac, Z., **Ivanović, M.**, micro-PROLOG Interpreter, Version WHY. *Authoring Bureau of Yugoslavia - Department for Republic of Serbia, Copyright No. S-3/92*, January 13, 1992.

1. **Ivanović, M.**, Budimac, Z., Putnik, Z., LispKit LISP System Version Null/SECD. *Authoring Bureau of Yugoslavia - Department for Republic of Serbia, Copyright No. S-63/91*, July 23, 1991.

Supervising

Dr. Mirjana Ivanović

(December 29, 2020)

Supervision of Ph.D. Thesis in Preparation

Supervised Ph.D. Thesis

11. Veljko Aleksić, "Veza igranja digitalnih igara sa profilom višestrukih inteligencija učenika viših razreda osnovne škole", "Relation between digital gameplay and multiple intelligences profile of higher grade elementary school students", jun, 2017
10. Mandić M., "Razvoj platform za standardizaciju obrazovanja nastavnika informatike (Development of standardized framework for secondary school teachers in informatics)", 2016
9. Mitrović D., "Intelligent multiagent systems based on distributed non-axiomatic reasoning", Faculty of Science, University of Novi Sad, Novi Sad, September 2015,
8. Geller Z., "Role of Similarity Measures in Time Series Analysis", Faculty of Science, University of Novi Sad, Novi Sad, September 2015,
7. Savić M., *Extraction and analysis of complex networks from different domains*, Faculty of Science, University of Novi Sad, Novi Sad, June 2015,
6. Vesin B., *Design and Implementation of Tutoring System for Teaching Programming Language Java*, Faculty of Science, University of Novi Sad, Novi Sad, September 2014. (in Serbian).
5. Klačnja-Miličević A., Personalized Recommendation Based on Collaborative Tagging Techniques for an e-Learning System, Faculty of Science, University of Novi Sad, Novi Sad, May 2013.
4. Radovanović, M., "High-Dimensional Data Representations and Metrics for Machine Learning and Data Mining", 2011
3. Kurbalija, V., *Time Series Analysis and Prediction Using Case-Based Reasoning Technology*, Faculty of Science, University of Novi Sad, Novi Sad, 2009.
2. Badjonski, M., *Adatable Java Agents (AJA) - A tool for programming of multi-agent systems*, Faculty of Science, University of Novi Sad, Novi Sad, 2004.
1. Jošanov, B., *On Inter-organizational, Distributed, Cooperative Information Systems*, Faculty of Science, University of Novi Sad, Novi Sad, 2001 (in Serbian).

Member of committees for Ph.D. Theses (Abroad)

1. Nenad Tomašev: "The Role of Hubness in High-Dimensional Data Analyses", member of Board for assessment and defence of the Doctoral Dissertation, International Postgraduate School Jožef Stefan, Institute "Jožef Stefan", Slovenia, Ljubljana, December, 2013.
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5. Adam Kučera, SEMANTIC BMS: Semantics-Driven Middleware Layer for Building Operation Analysis in Large-Scale Environments; Faculty of Informatics, Masaryk University, Brno, Czech Republic, June 2018.
6. Ing. Martin Filipický, Ph.D. thesis entitled „Identification of Potentially Reusable Subroutines in Suboptimally Structured Automated Test Scripts“, 15.04.2019 od 11.00 hod. v místnosti č. KN:E-205 Fakulty elektrotechnické ČVUT v Praze, Karlovo náměstí 13, Praha 2.

7. DAINA GUDONIENĖ, “Integrated E-Learning Objects Design Model and Implementation into Educational Platform”, Vilnius University, Universiteto g. 3, LT-01513 Vilnius, Lithuania, July 2019.
8. GABRIELĖ STUPURIENĖ, “Concept-Driven Informatics Education: Extension of Computational Thinking Tasks and Educational Platform for Primary School”, Vilnius University, Universiteto g. 3, LT-01513 Vilnius, Lithuania, July 2019.
9. Martin Jakomin, “Incremental matrix factorization for simultaneous learning from parallel data streams”, University of Ljubljana, Faculty of Computer and Information Science, December 2019.
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Member of committees for Ph.D. Theses (in Serbian)

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1. Mitić, N., *The Functional Interface for Relational Databases*, Mathematical Faculty, University of Belgrade, Belgrade, 1996.

Supervised MSc Theses

8. Tošić S, “Agent Planning Package”, University of Novi Sad, Novi Sad, 2010.
7. Pribela I., *System support for students’ program assessment*, University of Novi Sad, Novi Sad, 2009.
6. Vesin B., *Design and Implementation of Tutoring System for Teaching Programming Language Java*, University of Novi Sad, Novi Sad, 2007.
5. Klačnja A., *Design and Implementation of e-bookstore*, (in Serbian: *Dizajn i implementacija elektronske prodavnice knjiga*), Faculty of Science, University of Novi Sad, Novi Sad, 2007.
4. Radovanović M., *Machine learning in web mining*, Faculty of Science, University of Novi Sad, Novi Sad, 2006.3. Peurača M., *Testing Tool for Secondary School Students*, Faculty of Science, University of Novi Sad, Novi Sad, 2005 (in Serbian).
2. Blažević, M., *On Multi-Paradigm Programming Language*, Faculty of Science, University of Novi Sad, Novi Sad, 1999 (in Serbian).
1. Bađonski, M., *An Implementation of Multi-Agent Systems in Java*, Faculty of Science, University of Novi Sad, Novi Sad, 1998.

Member of committees for MSc Theses

15. Livingstone M., Impact of Single Amino Acid Change Upon Protein Structure, Griffith University, Gold Coast, Australia, June 13, 2013.
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11. Milićević M., University of Novi Sad, 2006.
10. Stanković Ž., University of Novi Sad, 2006.
9. Putnik, Z., University of Novi Sad
8. Takači, A., University of Novi Sad
7. Ibrajter, N., University of Novi Sad
6. Kurbalija, V., University of Novi Sad
5. Pešović, D., University of Novi Sad
4. Željko Džunić, Milenin kandidat, University of Niš, 2006.
3. S. Malkov, Mathematical Faculty, University of Belgrade, Belgrade.
2. Stanišić, P., *Transformation of Relational Databases into Object-Oriented Databases*, Mathematical Faculty, University of Belgrade, Belgrade, 1998.
1. Filipović, V., *On Generational Algorithms*, Mathematical Faculty, University of Belgrade, Belgrade, 1997.