

# Jasmina Perišić (Obradović, maiden name)

Associate Professor

Faculty of Informatics and Computer science  
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## EDUCATION

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2011-2018	Doctorate degree University of Belgrade, Faculty of Organizational Sciences study program Information systems and management, selective area Electronic business
2009-2011	Master's degree University of Belgrade, Faculty of Organizational Sciences Information Systems and Technologies
2001-2006	Bachelor's degree University of Belgrade, Faculty of Organizational Sciences Information Systems

## EMPLOYMENT HISTORY

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2021–present	<b>Associate Professor</b>	Union – Nikola Tesla University Belgrade, Serbia
2018-2021	<b>Assistant Professor</b>	Union – Nikola Tesla University Belgrade, Serbia
2013-2018	<b>Teaching Assistant</b>	Union – Nikola Tesla University Belgrade, Serbia
2011-2013	<b>Research associate</b>	Goša Institute, Belgrade, Republic of Serbia
2005-2005	<b>Trainee</b>	Energoprojekt-ENTEL, Belgrade, Serbia

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## MEMBERSHIPS

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- 2021-Present International conference on sustainable environment and technologies “Create sustainable commUNiTy”.University "Union-Nikola Tesla", Belgrade
- 2021-Present International conference "Industrial engineering and anvironmental protection" IIZS, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
- 2018-Present Alumni FON community

## RESEARCH PROJECTS

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- 2022-2023 Self-propelled robotic laboratory „Union -Nikola Tesla“ University, Scientific project, computer science
- 2021-2022 Human resources potential „Union-Nikola Tesla“ University, Scientific project, computer science
- 2011-2019 Ministry of Education, Science and Technological Development, Project number TR 34028, Materials and chemical technologies

## SELECTED PUBLICATIONS

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**Perišić, J.**, Milovanović, M., Vrbanac, M., Petrović, I., & Božilović Đokić, D. (2023) Implementation of semantic mapping of relational databases. *The third international conference on sustainable environment and technologies “Create sustainable commUNiTy”*.University "Union-Nikola Tesla", Belgrade, pp. 261-272.

Ivanov, A., Stanković, Ž., & **Perišić, J.** (2023). Digital competences of teachers in secondary school. *The third international conference on sustainable environment and technologies “Create sustainable commUNiTy”*, University "Union-Nikola Tesla", Belgrade, pp. 107-115.

Milovanović, M., **Perišić, J.**, Petrović, I., Vrbanac, M., & Božilović Đokić, D. (2023). Usefulness of SPSS support in higher education teaching. *The third international conference on sustainable environment and technologies “Create sustainable commUNiTy”*, University "Union-Nikola Tesla", Belgrade, pp. 227-232.

Novaković, B., Ristić, M., Radovanović, L., Đorđević, L., & **Perišić, J.** (2022, July). Dynamic Balance and Alignment of Rotary Machines with Vibration Parameter Control. *International Conference of Experimental and Numerical Investigations and New Technologies* (pp. 164-182). Cham: Springer International Publishing.

Lazić, R., Radovanović, Lj., Palinkaš, I., & **Perišić, J.** (2023) Comparasion of coal transport with trucks and conveyors at the surface mine Bogutovo selo. *XIII International Conference Industrial Engineering and Environmental Protection, IIZS 2023*, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Zrenjanin, Serbia, pp. 480-487.

Ristić, M., Radovanović, L., **Perišić, J.**, Vasović, I., & Đorđević, L. (2022). Analysis of the Use of Renewable Energy Sources in the Republic of Serbia. In *Current Problems in Experimental and Computational Engineering: Proceedings of the International Conference of Experimental and Numerical Investigations and New Technologies, CNNTech 2021* (pp. 67-83). Springer International Publishing.

Ivanov, A., Stanković, Ž., & **Perišić, J.**(2022). Comparative analysis of student's achievements in hybrid and traditional learning. *The second international conference on sustainable environment and technologies "Create sustainable commUNiTy"*, University "Union-Nikola Tesla", Belgrade, pp. 319-328.

Stoimenov, S. Milovanović, M., Vrbanac, M., & **Perišić, J.** (2022). Application of information technologies in public utility company „Naissus“Nis. *The second international conference on sustainable environment and technologies "Create sustainable commUNiTy"*, University "Union-Nikola Tesla", Belgrade, pp. 337-346.

Radovanović, V., **Perišić, J.**, Dudić, D., Krčadinac, O., & Stanković, Ž. (2022). Primena obrazovnih aplikacija u E-nastavi. *Zbornik radova*, Univerzitet "Union-Nikola Tesla", 4, pp. 17-54.

**Perišić, J.** (2021), Primena tehnologija semantičkog veba za adaptaciju sistema elektronskog obrazovanja, Univerzitet „Union-Nikola Tesla”, Beograd.

Marunčić, D., Pejić, J., Jegdić, B., Linić, S., **Perišić, J.**, Radojković, B., & Marinković, A. (2021). Inhibitory effect of cerium salts of lower carboxylic acids on Al-Zn-Mg-Cu alloy in NaCl solution. *Journal of the Electrochemical Society*, 168(8), 081501.

Marković, M., & **Perišić, J.** (2021). Increasing the quality of separation in the phase of preparation of oil for transport. *Acta technica corviniensis - Bulletin of Engineering*, Faculty of Engineering – Hunedoara, University Politehnica, Timisoara, XIV(3), pp.47-52.

Radovanović, V., Krčadinac, O., **Perišić, J.**, & Dudić, D. (2021). Istraživanje performansi velikih brzina. *Zbornik radova*, Univerzitet "Union-Nikola Tesla", 3, pp. 171-188.

Krčadinac, O., **Perišić, J.**, & Dudić, D. (2021). Komparativna analiza SQL i NoSQL baza podataka. *Zbornik radova*, Univerzitet "Union-Nikola Tesla", 2, pp. 269-290.

**Perišić, J.**, Milovanović, M., Ristić, M., Vidaković, J., & Radovanović, L. (2021). Process Analysis of a Tank Management System. In *Experimental and Computational Investigations in Engineering: Proceedings of the International Conference of Experimental and Numerical Investigations and New Technologies, CNNTech 2020* (pp. 362-377). Springer International Publishing.

Dudić, D., **Perišić, J.**, & Krčadinac, O. (2020). Application profiles for dataset representation: an agricultural field experiments use case. *Zbornik radova*, Univerzitet "Union-Nikola Tesla", 1, pp. 145-155.

Ristić, M., Vasović, I., Bošković, V., Sommitsch, C., & **Perišić, J.** (2019). Analysis of the influence of different types of coatings on increasing the working life of constructional elements of the ventilation mill and reducing the wear of working surfaces. *Zavarivanje i zavarene konstrukcije*, 64(2), 53-68. doi:10.5937/zsk1902053R

**Perišić, J.,** Milovanović, M., Vrbanac, M., Božilović, Z., Radovanović, Lj., & Ristić, M. (2019). Semantic Mapping Data Using D2R Server, *1. Interantional symposium on implementations of digital industry and management of digital transformation*, Selcuk University, Konya, Turkey, pp.85-98.

**Perišić, J.,** Milovanović, M., Vrbanac, M., Božilović, Z., Radovanović, Lj., & Ristić, M. (2019). Modeling Ontology And Semantic Rules For Moodle LMS Adaptation, *1. Interantional symposium on implementations of digital industry and management of digital transformation*, Selcuk University, Konya, Turkey, pp. 99-115.

Vujnović, G., **Perišić, J.,** Božilović Z., Milovanović, M., Getman R.V., & Radovanović, Lj. (2019). Using SCADA system for process control in water industry. *Acta technica corviniensis - Bulletin of Engineering, Faculty of Engineering – Hunedoara*, University Politehnica Timisoara, XII/2, pp.67-73.

**Perisich, J.,** & Ajrula, J. (2019). Developing a busniess with outsourcing using the internet. *Vision International Scientific Journal*, 4 (1), pp 85-98.

Milovanović, M., **Perišić, J.,** Božilović, Z., Vrbanac, M. & Radovanović, Lj. (2019). Integrating Technology in a Statistics Course. *In 2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019)*, Lviv, Ukraine, pp 22-29.

**Perišić, J.,** Milovanović, M., Božilović, Z., Ristić, M., Radovanović, Lj. (2019). SCADA for tank management system in refineries. *In IX International Conference Industrial Engineering and Environmental Protection ( IIZS 2019*, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Zrenjanin, Serbia, pp. 203-211.

**Perisic, J.,** Milovanovic, M., Petrovic, I., Radovanovic, L., Ristic, M., Speight, J. G., & Perisic, V. (2018). Application of a master meter systemto assure crude oil and natural gas quality during transportation. *Petroleum Science and Technology*, 36(16), 1222-1228. doi: 10.1080/10916466.2018.1465972.

Radovanovic, L., **Perisic, J.,** Milovanovic, M., Speight, J. G., Bozilović, Z., Momcilovic, O., & Obucinski, D. (2018). Modeling of petroleum products sampling processes. *Petroleum Science and Technology*, 36(23), 2003-2010. doi: 10.1080/10916466.2018.1528276.

**Perišić, J.,** Milovanović, M., & Kazi, Z. (2018). A semantic approach to enhance moodle with personalization. *Computer Applications in Engineering Education*, 26(4), 884-901. doi: 10.1002/cae.21929.

Vujnović, G., **Perišić, J.,** Milovanović, M., & Radovanović, Lj. (2018). Using Scada applications in water supply sistem. *Acta technica corviniensis - Bulletin of Engineering, Faculty of Engineering – Hunedoara*, University Politehnica Timisoara, XI (1), pp. 119-123.

**Perišić J.,** & Milovanović M. (2018). Using information technology application in education at faculties. In MEFkon, Innovation as an initiator of the development “Innovations-basis for development”. *International Thematic Monograph – Thematic Proceedings University Business Academy in Novi Sad*, Faculty of Applied Management, Economy and Finance Belgrade, pp. 44-62.

Ristic, M., Radovanovic, L., Prokic-Cvetkovic, R., Otic, G., **Perisic, J.,** & Vasovic, I. (2017). Increase energy efficiency of thermal power plant Kostolac B by revitalization ventilation mills. *Energy Sources, Part B: Economics, Planning, and Policy*, 12(2), 191-197. doi: 10.1080/15567249.2015.1014977

**Perišić, J.**, Milovanović, M., Ravić, S., Stošić, I., Radovanović, Lj., & Ristić, M. (2017). Ontology for personalization e-learning process in engineering education. *In VII International Conference Industrial Engineering and Environmental Protection IIZS 2017*, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Zrenjanin, Serbia, pp. 16-23.

Milovanović, M., **Perišić, J.**, Vrbanac, M., Stošić, I., & Ristić, M. (2017). Computer tools in engineering education – example of macromedia flash. *Acta technica corviniensis - Bulletin of Engineering, Faculty of Engineering – Hunedoara*, University Politehnica Timisoara, X (1), pp. 77-81.

**Perisic, J.**, Milovanovic, M., Petrovic, I., Radovanovic, L., Ristic, M., Bugarcic, M., & Perisic, V. (2016). A brine mixing mobile unit in oil and gas industry-An example of a cost-effective, efficient, and environmentally justified technical solution. *Energy Sources, Part A: Recovery, Utilization, and Environmental effects*, 38(23), 3470-3477. doi: 10.1080/15567036.2016.1153752.

**Perišić, J.**, Bogdanović, Z., & Đurić, I. (2016). Semantic model for adaptive E-learning systems. *Proceedings of the XV<sup>th</sup> International Symposium Symorg*, The Faculty of Organizational Sciences, University of Belgrade, Zlatibor, Serbia, pp. 345-353.

**Perišić, J.**, Milovanović, M., & Bugarčić, J. (2016). Implementation of information systems and online business in tourism, *The sixth international biennial congress HOTELPLAN*, The college of hotel management, Journal for theory and practice of hotel industry, Belgrade, Serbia, 17(27-28), pp. 20-30.

**Perišić, J.**, Milovanović, M., Bugarčić, M., Vrbanac, M., & Ristić, M. (2016). Using semantic web based tools in engineering education, *VI International Conference Industrial Engineering And Environmental Protection (IIZS 2016)*, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Zrenjanin, Serbia, pp. 1-7.

Milovanović, M., **Perišić, J.**, Vrbanac, M., Stošić, I., & Ristić, M. (2016). Computer tools in engineering education – example on macromedia flash, *VI International Conference Industrial Engineering And Environmental Protection (IIZS 2016)*, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Zrenjanin, Serbia, pp. 312-317.

Vukotić, S., Milovanović, M., Bugarčić, M., & **Perišić, J.** (2015). Faktori koji uticu na radnu efektivnost ljudskih resursa u organizacijama, *III<sup>th</sup> Naučno stručni skup sa međunarodnim učešćem*, Visoka škola strukovnih studija Beogradska politehnika, Beograd, Srbija, pp. 551-558.

**Perišić, J.**, Radovanović, Lj., Desnica, E., Pekez, J., & Palinkaš, I. (2015). Monitoring of temperature distribution in ventilation mill in thermal power plant, *Proceedings of the XVII<sup>th</sup> Symposium Young people and Multidisciplinary Research*, Editura politehnica, Timisoara, Romania, pp. 3-8.

**Perišić, J.** Milovanović, M., Bugarčić, M., Ristić, M., & Radovanović, Lj. (2015). Process analysis of truck loading on brine mixing mobile unit, *Proceedings of the XVII<sup>th</sup> Symposium Young people and Multidisciplinary Research*, Editura politehnica, Timisoara, Romania, pp. 9-14.

**Perišić, J.** Milovanović, M., Bogdanović, Z., Despotović-Zrakić, M., & Labus, A. (2015). Designing a semantic model of educational content in Moodle LMS, *Proceedings of the XVII<sup>th</sup> Symposium Young people and Multidisciplinary Research*, Editura politehnica, Timisoara, Romania, pp. 135-140.

Milovanović, M., **Perišić, J.**, Vukotić, S., Bugarčić, M., Radovanović, Lj., & Ristić, M. (2015). Learning mathematics using multimedia in engineering education, *V International Conference Industrial Engineering And Environmental Protection (IIZS 2015)*, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Zrenjanin, Serbia, pp. 292-297.

**Perišić, J.**, Milovanović, M., Ristić, M., Prokolab, M., & Radovanović, Lj. (2014). Semantic adaptation model of learning objects in e-education, *Proceedings of the XVI<sup>th</sup> Symposium Young people and Multidisciplinary Research*, Editura politehnica, Timisoara, Romania, pp. 123-128.

**Perišić, J.**, Milovanović, M., Petrović, Ž., Ristić, M., & Prokolab, M. (2014). Custody transfer metering and sampling solutions for oil, gas and petrol and chemical products using by BPMN and HMI applications, *IV International Conference Industrial Engineering And Environmental Protection (IIZS 2014)*, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Zrenjanin, Serbia, pp. 241-251.

Ristić, M., **Perišić, J.**, Radovanović, Lj., & Adamović, Z. (2013). Failure Analysis of the Ventilation Mills in Power Plant and Proposals for their Revitalization, *5 World Tribology Congress*, Torino, Italy.

Milovanović, M., **Obradović, J.**, & Milajić, A. (2013). Application of interactive multimedia tools in teaching mathematics--examples of lessons from geometry. *Turkish Online Journal of Educational Technology-TOJET*, 12(1), 19-31.

**Obradovic, J.**, Milovanovic, M., Despotovic-Zratic, M., Lukic, J., & Stokic, A. (2012). Using BPMN and InTouch HMI software for modeling of sampling system in refineries. *Metalurgia International*, 17(11), 72-79.

Stokic, A., Vulic, M., Paunovic, L., Dokic, D., & **Obradovic, J.** (2012). Analysis of online presence of Serbian public libraries. *Metalurgia International*, 17(12), 124-128.

**Obradović, J.**, Babarogić, S., Vučković, M., Nešković, S., & Milovanović, M. (2011). Modelovanje poslovnog procesa merenja protoka nafte i naftnih derivata u rafinerijama korišćenjem BPMN, *Časopis za informacione tehnologije i multimedijalne sisteme - InfoM*, Fakultet Organizacionih Nauka, Beograd, Srbija, 37, str. 8-15.

Milovanović, M., & **Obradović, J.** (2011). Multimedia Learning of Mathematics with Examples, *II International Symposium Methodological aspects of teaching mathematics*, Faculty of Education in Jagodina, University of Kragujevac, Jagodina, Serbia, pp. 417-426.

**Obradović, J.**, Milovanović, M., & Tomićević, J. (2010). Business process modeling notation: BPMN, *Conference proceedings-XII International Symposium Symorg*, Faculty of Organizational Sciences, Zlatibor, Serbia.

## LECTURES AT DOMESTIC SEMINARS

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**Perišić J.** (2017). An ontology based framework for personalized E-learning in Moodle. Seminar for computer science and applied informatics, Institute of Mathematics SANU, Belgrade, Serbia.

## REVIEWS IN INTERNATIONAL JOURNALS

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- The International Review of Research in Open and Distributed Learning - IJIETAP ISSN: 1943-670X
- Computer Applications in Engineering Education (CAE) ISSN:1099-0542
- International Journal of Industrial Engineering: Theory, Applications and Practice -IRRODL ISSN 1492-3831

## LICENCES & CERTIFICATION

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- |      |   |
|------|---|
| 2016 | Thematic moderator – 11. International scientific conference „Knowledge in practice”, december, 16-18, 2016, Bansko, Bulgaria |
| 2011 | MS Project Professional, Association for Project Management of Serbia, Belgrade, Serbia                                       |
| 2007 | Certificate in the field of organization and management, Republic Institute of Statistics, Belgrade, Serbia                   |