

Curriculum Vitae

Ramo Sendelj, PhD

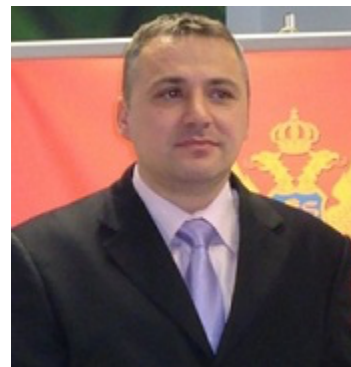
Full professor at University of Donja Gorica,
Faculty for Information System and Technology; Humanistic Study

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Nationality Montenegro

Date of Birth 11. September 1971

Family status Married, two kids



Education

- 2004 PhD in Software Engineering, Faculty of Organizational Sciences, University of Belgrade, Serbia
- 2001 MSc in Software Engineering, Faculty of Electrical Engineering, University of Belgrade, Serbia
- 1995 BSc in Information technology, University of Belgrade, Technical Military Academy, Belgrade, Serbia

Profession

- Since September 2019 Full Professor, Research Chair in Cyber Security, University of Donja Gorica, Podgorica, Montenegro
- January 2006 – August 2013 Dean of Faculty of Information Technology, University "Mediterranean", Podgorica, Montenegro
- 2009 – 2011 Vice Rector for Education, Finance and Development, University "Mediterranean", Podgorica, Montenegro
- 2014– 2019 Associate Professor, University of Donja Gorica, Podgorica, Montenegro
- 2010– 2014 Associate Professor, Faculty of Information Technology, University Mediterranean, Podgorica, Montenegro
- 2005– 2010 Assistant Professor Faculty of Information Technology, University Mediterranean, Podgorica, Montenegro
- 2003– 2005 Head of ICT Centre, Military of Serbia and Montenegro, Montenegro
- 2001 – 2003 Head of Centre for automatic data processing, Military of Serbia and Montenegro, Montenegro
- 1995– 2003 System analytic, system administrator, databases administrator, programmer, Military of Serbia and Montenegro, Montenegro

Scientific activities

- Activities in scientific bodies
 - Montenegrin Delegate in H2020 Program Committee for Research Infrastructure, 2013 - current
 - Montenegrin Delegate in „European Strategy Forum on Research Infrastructures”, 2011 - current
 - FP7 expert for Ethics reviewing, Research & Innovation European

Commission, 2012 - current

- Higher Education Reform Project, Bologna Experts, 2011 - current
- National expert for Accreditation high education institution in Montenegro, Ministry of Education, Montenegro, 2011 - current
- Member of ICT team for Montenegrin Think Thank Project, Ministry of Science, Montenegro, 2012 - current
- Member of Association of Security Manager of Montenegro, 2023 - current
- Member of Organizational Committee International Conference on e-Education (ICeE 2014), Bosnia and Herzegovina, 2014 – current
- Member of Steering committee of HERIC Project (Higher Education and Research for Innovation and Competitiveness), Government of Montenegro- Ministry of Science and Ministry of Education, 2013 – current
- Head of Working Group: Roadmap for research infrastructure in Montenegro for 2014-2020, Ministry of Science, Montenegro, 2012 – 2014
- Member of Commission for Education, in Montenegrin Academy of Science and Arts, Podgorica, Montenegro, 2010 – current
- Member of Commission for ICT in Montenegrin Academy of Science and Arts, Podgorica, Montenegro, 2010 – current
- Member of Program committee “Festival of Information Technology Achievements- INFOFEST”, Budva, Montenegro, 2009 – current
- Member of Program committee “IT Conference”, Montenegro, 2009 – current
- Member of Council “Montenegrin Research and Education Network”, Podgorica, Montenegro, 2008 – current

Expert Education

- March 2017 - ECRIME Final Conference; Trilateral Research Ltd., London, UK
- July 2016 - CISCO Training Course 'INTRODUCTION TO THE INTERNET OF EVERYTHING'; Buckinghamshire New University, UK
- February 2016 - NATO Advanced Training Program 'Specialized Cyber Defence Trainings for Civil Servants of Montenegro'; Technical University of Tallinn, Estonia
- June 2015 - CISCO Training Course 'INTRODUCTION TO CYBER SECURITY'; Buckinghamshire New University, UK
- December 2014 - NATO Advanced Training Course 'TERRORIST USE OF CYBERSPACE'; Centre of Excellence Defence Against Terrorism, Turkey, NATO SPSS
- 05-06 December 2013 - European Commission Education & training, Seminar for Bologna and Higher Education Reform Experts, 'Internationalization of higher education Seminar', Podgorica, Montenegro
- 22-24 April 2013 - European Commission Education & training, Seminar for Bologna and Higher Education Reform Experts, 'Cross-border Education Seminar', Madrid, Spain
- 11–12 March 2013 - European Commission Education & training, Seminar for Bologna and Higher Education Reform Experts, 'Organisation and Profile of Doctoral Studies', Kaslik, Lebanon
- 06–07 June 2012 - European Commission Education & training, Seminar for

Bologna and Higher Education Reform Experts, 'Modernization of curricula', Oslo, Norway

- December 2014 - NATO Advanced Training Course 'Terrorist Use of Cyberspace'; Centre of Excellence Defence Against Terrorism, Turkey, NATO SPSS
- September 2013 - Hands-on Cyber Defense Training Course for System/Network Administration; Institute of Informatics, Ankara, Turkey, NATO SPSS
- June 2013 - Java Fundamentals for Trainers; Oracle University, Belgrade, Serbia;
- May 2013 - Java SE 7 Programming Ed.2 PRV; Oracle University, Belgrade, Serbia;
- May - June 2012 - Developing Web Services Using Java Technology, Oracle University, Belgrade, Serbia
- November 2010 - Oracle database 10.g Administration Workshop II; Oracle University, Belgrade, Serbia
- September 2010 - Oracle database 10.g Administration Workshop I; Oracle University, Belgrade, Serbia
- June 2010 - Oracle database 10.g RAC for Administrators; Oracle University, Belgrade, Serbia
- May 2010 - Oracle database 10.g SQL Tuning Workshop; Oracle University, Belgrade, Serbia
- March - July 2010 - Oracle Academy Teacher for PL/SQL Programming, Oracle University
- March – June 2009 - Oracle Academy Teacher for Database Design and SQL Programming, Oracle University, Vienna, Austria
- March 2008 - Oracle Academy Teacher for SQL Programming; Oracle University, Utrecht, Netherlands
- March 2008 - Oracle Academy Teacher for Database Design; Oracle University, Utrecht, Netherlands

Educational activities

Regular lecturer for the following courses for bachelor, master and PhD student of Informatics as well as for postgraduate students at UDG and at other universities:

- **Undergraduate level:** Universities: University Donja Gorica, University Mediteranean: Information Technology, Information system, Database, Design and Information System
- **Postgraduate level:** University Donja Gorica, University of Bihać, Bosnia & Herzegovina: Cybersecurity Management, Cyber-crime Advanced technologies in cyber security, Data mining, Advanced database,
- **PhD level:** University Donja Gorica University "Dzemal Bijedić" Mostar, Bosnia & Herzegovina: Cybersecurity, ICT Security,

Board memberships at UDG

Head of the MSc study program in Cybersecurity at UDG (since 2013)

Selected publications

(for a complete list, see www.ramosendelj.me)

Books (in Montenegrin language):

1. I.Ognjanović, **R.Šendelj**, "ALGORITHMS AND PROGRAMMING", textbook for high school 3th or 4th year , Bureau of Textbooks Textbook sets (ISBN 978-86-303-1689-0, COBIS.CG-ID 205341472): (Item I), Podgorica, 2013
2. I.Ognjanović, **R.Šendelj**, "EXERCISE BOOK- ALGORITHMS AND PROGRAMMING", for high school 3th or 4th year , Bureau of Textbooks, Textbook sets (ISBN 978-86-303-1689-0, COBIS.CG-ID 205341472):(Item II) Podgorica, 2014
3. **R.Šendelj** - "INTRODUCTION TO INFORMATION TECHNOLOGIES", handbook for course Information Technology at Faculty of Information Technology University Mediteranean, Podgorica, 2007

Scientist Monography published by International Publishers (M1):

4. „HEALTH INFORMATION MANAGEMENT: EMPOWERING PUBLIC HEALTH“, Editor: John Mantas, **Šendelj Ramo**, Ivana Ognjanovic, Petra Knoup, Elske Ammenwerth, Orsolya Varga, 2020, IOS Press, ISBN: 978-1-64368-126-9 (print) | 978-1-64368-127-6 (online)

Chapter in Scientist Monography published by International Publishers (M2):

5. * **R Šendelj** I. Ognjanović, "Cybersecurity Challenges in Healthcare", in ACHIEVEMENTS, MILESTONES AND CHALLENGES IN BIOMEDICAL AND HEALTH INFORMATICS , **IOS Press.**, Editor: John Mantas, Aric Hasman, Reinhold Haux 2022, ISBN: 978-1-64368-340-9 (print) | 978-1-64368-341-6 (online) DOI: <https://doi.org/10.3233/SHTI220951>
6. * D. Kriksciuniene, V. Sakalauskas, I. Ognjanović, **R Šendelj** "Discovering Healthcare Data Patterns by Artificial Intelligence Methods", in INTELLIGENT SYSTEMS REFERENCE LIBRARY, vol 205. **Springer**, Cham., Editor: Dalia Kriksciuniene, Virgilijus Sakalauskas, 2022, ISBN: 978-3-030-79352-4 (print) | 978-3-030-79353-1 (online), DOI: https://doi.org/10.1007/978-3-030-79353-1_10
7. * **R. Šendelj**, "Information Technology and Information Management in Healthcare", in HEALTH INFORMATION MANAGEMENT: EMPOWERING PUBLIC HEALTH, **IOS Press**, Editor: John Mantas, Šendelj Ramo, Ivana Ognjanovic, Petra Knoup, Elske Ammenwerth, Orsolya Varga, 2020, IOS Press, ISBN: 978-1-64368-126-9 (print) | 978-1-64368-127-6 (online), <https://doi.org/10.3233/SHTI200674>
8. * **R. Šendelj**, I.Ognjanović, "Framework for optimal selection using a metaheuristic approach and AHP algorithm", in APPLICATIONS AND THEORY OF ANALYTIC HIERARCHY PROCESS, **InTech Open Access**, Editor Fabio De Felice, 2016, ISBN: 978-953-51-4664-3, DOI: [10.5772/63991](https://doi.org/10.5772/63991).
9. * O. Injac, **R.Šendelj**, "National Security Policy and Strategy and Cyber Security Risks", HANDBOOK OF RESEARCH ON CIVIL SOCIETY AND NATIONAL SECURITY IN THE ERA OF CYBER WARFARE, **IGI Global Publication**, Editor Metodi Hadji-Janev, 2015, ISBN13: 9781466687936, ISBN10: 1466687932, EISBN13: 9781466687943, DOI: [10.4018/978-1-4666-8793-6](https://doi.org/10.4018/978-1-4666-8793-6),
10. * S.Nowakowski, I.Ognjanović, M.Grandbastien, J.Jovanović, **R.Šendelj**, "Two Recommending Strategies to enhance Online Presence in Personal Learning Environments", RECOMMENDER SYSTEMS FOR TECHNOLOGY ENHANCED LEARNING, RESEARCH TRENDS AND APPLICATIONS, Part III, **Springer** New York, Editors: Manouselis, N., Drachsler, H., Verbert, K., Santos, O.C., 2014, pp 227-249, ISBN: 978-1-4939-0529-4, EISBN: 978-1-4939-0530-0, 2014. DOI [10.1007/978-1-4939-0530-0_11](https://doi.org/10.1007/978-1-4939-0530-0_11).

11. **R.Šendelj**, "Web services", In V.Devedžić, (Ed.) "Intelligent system technologies" , FON – School of Business Administration & TEMPUS, ISBN 86-7680-026-X, pp. 241-257, Belgrade, 2004

Scientist Monography published by Montenegrin Publishers (M3):

12. " ANALYSIS OF EU PRACTICE FOR PUBLIC HEALTH ", Editor: **Šendelj Ramo**, Urednici: John Manthas and Ivana Ognjanović. Erasmus+ project PHELMIM, Univerzitet Donja Gorica, 2018, (ISBN 978-9940-676-02-5, COBISS.CG-ID 27523856)
13. " EU PRACTICE FOR CYBER SECURITY EDUCATION ", Editorial Board: **Šendelj Ramo**, Ognjanović Ivana, Debevc Matjaž, Holbl Marko, Kääramees Marko, Capelli Massimo, Bandara Indrachapa, Lombardi Flavio, University Donja Gorica, Podgorica, 2015 (ISBN 978-9940-676-03-2, COBISS.CG-ID 27523600)
14. " EXISTING EU PRACTICES FOR CYBER SECURITY ", Editorial Board: **Šendelj Ramo**, Ognjanović Ivana, Debevc Matjaž, Holbl Marko, Kääramees Marko, Capelli Massimo, Ioras Florin, Guarino Stefano, University Donja Gorica, Podgorica, 2015 (ISBN 978-9940-676-02-5, COBISS.CG-ID 27523856)

International Journal on SCI / SCIE / SSCI / A&HCI Lists (Q1, Q2, Q3, Q4):

15. * I.Ognjanović, **R. Šendelj**, P. Knaup, J. Mantas, R. Adany, E. Ammenwerth, G. Nikolić, A. Jakšić-Stojanović, D. Đurić, The Stratified Framework for Enhancement of Study Programs in Public Health in Montenegro, Series: STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, e-Book: Data, Informatics and Technology: An Inspiration for Improved Healthcare, **PUBMED**, Vol. 251, pp.301-304, 2018, ISSN: 0926-9630, ISSN(online): 1879-8365, PMID: 29968663, DOI: <http://dx.doi.org/10.3233/978-1-61499-880-8-301>
16. * **R.Šendelj**, I.Ognjanović, "Multi-criteria Decision Making for Optimal Configuration of Business Process Model Families", INFORMATION TECHNOLOGY AND CONTROL, 47(3), pp.532-563, 2018, , ISSN: 1392-124X, DOI: <http://dx.doi.org/10.5755/j01.itc.47.3.18652>
17. * M.Beko, R.Dinis, **R.Šendelj** , "Peak reduction in OFDM using second-order cone programming relaxation", EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, **Springer**, 2014, ISSN: 1687-6180, DOI: [10.1186/1687-6180-2014-130](http://dx.doi.org/10.1186/1687-6180-2014-130)
18. D. Milošević, **R.Šendelj**, C. Sukić, "Ontology-based Learner Modelling in Intelligent Tutoring Systems", TTEM, JOURNAL OF TEHNICS, TECHNOLOGIES, EDUCATION AND MANAGEMENT, 2010, Vol.5, Number 2, ISSN 1840-1503, Pages:271-277,
19. D. Milošević,**R.Šendelj**, "LeMONT: An Ontology-based Learner Modelling System", WSEAS TRANSACTIONS ON COMPUTERS, 2007, Issue 3, Vol.6, ISSN: 1109-2750, Pages: 455-463,
20. **R.Šendelj**, D. Milošević, "Integration Interoperable Software Component Into Intelligence Software Systems", WSEAS TRANSACTIONS ON SYSTEMS, 2004 , ISSN: 1109-2777. Issue 2, Vol. 3, pp 928-936,
21. **R.Šendelj**, V. Devedžić, "Fuzzy Systems Based On Component Software", FUZZY SETS AND SYSTEMS , **Elsevier**, 2004, ISSN: 0165-0114, Vol 141/3, pp. 487-504, January 2004 DOI: [/10.1016/S0165-0114\(02\)00592-4](http://dx.doi.org/10.1016/S0165-0114(02)00592-4)

International Journal on International database (Scopus, PubMed, EBSCO) (Q5):

22. * D. Kriksciuniene, V. Sakalauskas, I. Ognjanović, **R. Šendelj** "Time-to-Event Modelling for Survival and Hazard Analysis of Stroke Clinical Case", in Business Information Systems Workshops. BIS 2021. LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, vol 444. **Springer**, Cham., Editor: Abramowicz, W., Auer, S., Stróżyńska, M., 2022, ISBN: 978-3-031-04215-7 (print) | 978-3-031-04216-4 (online), DOI: https://doi.org/10.1007/978-3-031-04216-4_2
23. **R. Šendelj**, I. Ognjanović, M. Roganović, D. Kriksciuniene, „AI Enhanced Person-Centred Care Services for Monitoring Stroke Outpatient Rehabilitation“, in STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, **IOS Press**, 2022, Editors: John Mantas, Arie Hasman, Mowafa S. Househ, Paris Gallos, Emmanouil Zoulias, Joseph Liaskos, Volume 289: Informatics and Technology in Clinical Care and Public Health, ISBN: 978-1-64368-250-1 (print) | 978-1-64368-251-8 (online), DOI: [10.3233/SHTI210849](https://doi.org/10.3233/SHTI210849)
24. M. Roganović, I. Ognjanović, **R. Šendelj**, C. Reich, L. Bokor, J. Mantas, M. Golob, N. Šimšić, I. Orović, T. Radusinović, J. Eraković, N. Žugić, „Digital Entrepreneurial Nest: Supporting Digitization of Healthcare at National Level in Montenegro“. in STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, **IOS Press**, 2022, Editors: John Mantas, Arie Hasman, Mowafa S. Househ, Paris Gallos, Emmanouil Zoulias, Joseph Liaskos, Volume 289: Informatics and Technology in Clinical Care and Public Health, ISBN: 978-1-64368-250-1 (print) | 978-1-64368-251-8 (online), DOI: [10.3233/SHTI210966](https://doi.org/10.3233/SHTI210966)
25. Power Information System in Montenegro”, NEW TECHNOLOGIES, DEVELOPMENT AND APPLICATION III, Lecture Notes in Networks and Systems, Vol 128. **Springer**, 2020, pp 437 – 445, , Print ISBN: 978-3-030-46816-3, Online ISBN: 978-3-030-46817-0, DOI: https://doi.org/10.1007/978-3-030-46817-0_50
26. I. Ognjanović, **R. Šendelj**, E. Ammenwerth, “Multidisciplinary Approach for Education in Healthcare Management: Case Study from Montenegro”, STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, **IOS Press**, 2020, Vol. 272: The Importance of Health Informatics in Public Health during a Pandemic, pp 330 – 333, DOI: [10.3233/SHTI200562](https://doi.org/10.3233/SHTI200562).
27. I. Ognjanović, R. Lewandowski, **R. Šendelj**, D. Krikščiūnienė, J. Eraković, “Model Driven Approach for Development of Person-Centred Care in Stroke Rehabilitation”, STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, **IOS Press**, 2020, Vol. 272: The Importance of Health Informatics in Public Health during a Pandemic, pp 338 – 341, DOI: [10.3233/SHTI200564](https://doi.org/10.3233/SHTI200564).
28. * **R. Šendelj**, I. Ognjanović, The National Star Model of Medical Informatics Education in Montenegro, STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, **IOS Press**, 2019, Vol. 262 pp.176-179, ISBN:978-1-61499-986-7 (print) | 978-1-61499-987-4 (online), DOI: [10.3233/SHTI190046](https://doi.org/10.3233/SHTI190046)
29. * **R. Šendelj**, I. Ognjanović, "Cyber Security Capacity Building Planning within Organisations", in LECTURE NOTES IN NETWORKS AND SYSTEMS, , **Springer**, Editor Kacprzyk, Janusz, 2018, Volume 42, ISBN: 978-3-319-90892-2, DOI: https://doi.org/10.1007/978-3-319-90893-9_27,
30. * I. Ognjanović, **R. Šendelj**, P. Knaup, J. Mantas, R. Adany, E. Ammenwerth, G. Nikolić, A. Jakšić-Stojanović, D. Đurić, The Stratified Framework for Enhancement of Study Programs in Public Health in Montenegro, Series: STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, ISSN: 0926-9630, ISSN(online): 1879-8365, e-Book: Data, Informatics and Technology: An Inspiration for Improved Healthcare, **IOS Press**, 2018, Vol. 251, pp.301-304, , 978-1-61499-879-2 (print) | 978-1-61499-880-8 (online), PMID: 29968663, DOI: [http://dx.doi.org/10.3233/978-1-61499-880-8-301](https://doi.org/10.3233/978-1-61499-880-8-301)
31. * **R. Šendelj**, I. Ognjanović, "Personalized Recommendation Strategies for eLearning: an AHP approach", APPLIED TECHNOLOGIES AND

INNOVATIONS , Vol 11, Issue 1, pp.16-27, 2015., ISSN: 1804-4999, E-ISSN: 1804-4999, DOI: <http://dx.doi.org/10.15208/ati.2015.03>

32. * **R.Šendelj**, I.Ognjanović, "Semantically enhanced cyber security over clouds: Methodological approach", INTERNATIONAL JOURNAL OF ADVANCES IN COMPUTER NETWORKS AND ITS SECURITY , Vol 4, No.3, pp. 133-149, September 2014, ISSN: 2250-3757, DOI: [10.15224/978-1-63248-021-7-90](https://doi.org/10.15224/978-1-63248-021-7-90)
33. **R.Šendelj**, V. Devedžić, "Representational Hierarchy of Fuzzy Logic Concepts in the OBOA Model", Lecture Notes in Computer Science, Elsevier, 1999, Vol. 1611, pp 54-63, DOI: [10.1007/978-3-540-48765-4_8](https://doi.org/10.1007/978-3-540-48765-4_8),

International Conference:

34. R Šendelj, "Human Centered Computing of ICT", Scientific Symposium Science and Small Countires: Synergy of the Diaspora, The Motherland&Friends of Montenegro, Year 2022; Montenegrin Academy Of Science; DOI:
35. I. Ognjanovic, R Šendelj, J. Mantas, M. Roganović "Development of ICT enhanced person-centred care services for stroke outpatient rehabilitation" 10th Mediterranean Conference on Embedded Computing REF: MECO2021 & CPSIoT2021, Year 2021; Conference Paper | Publisher: IEEE; DOI: 10.1109/MECO52532.2021.9460247
36. Luka Laković; Ivana Ognjanović;Ramo Šendelj;Olivera Injac „Semantically enhanced cyber security model for industry 4.0: methodological framework” 2021 25th International Conference on Information Technology (IT), Year: 2021 | Conference Paper | Publisher: IEEE. DOI: 10.1109/IT51528.2021.9390120
37. N.Varga, L.Bokor, I.Ognjanović, **R.Šendelj**, "On the mobility management performance of NEMO-based nested wireless body area networks", The 23rd International Scientific-Professional Conference on Information Technology (IT), February 2018, Žabljak, Montenegro, DOI: 10.1109/SPIT.2018.8350860, ISBN:978-86-85775-22-2, 2018
38. M.Matijević, **R.Šendelj**, "Bezbjednosni aspekti primjene Jedinственog informacionog sistema za elektronsku razmjenu podataka kod elektronskog upisa djece u obrazovne ustanove", The 23rd International Scientific-Professional Conference on Information Technology (IT), February 2018, Žabljak, Montenegro, pp.44-47, ISBN:978-86-85775-22-2, 2018
39. Marina Matijević, **R. Šendelj**, "Improving ICT infrastructure of the educational system of Montenegro applied by cloud computing", Informacione Tehnologije – IT 2017, Žabljak, Montenegro, pp.62-66, February 2017. ISBN:978-86-85775-20-8, 2017
40. **R.Šendelj**, I.Ognjanović, E. Ammenwerth, W, Hackl, "Towards Semantically Enabled Development of Service-Oriented Architectures for Integration of Socio-Medical Data", The 5th Mediterranean Conference on Embedded Computing (MECO), Bar, Montenegro, 2016, pp. 436-440, DOI: 10.1109/MECO.2016.7525687, 2016
41. Vujačić, I.Ognjanović, **R.Šendelj**, "SM@RT HOME: personal security and digital forensic issues", The 8th International Conference on Business Information Security, Belgrade, Serbia, October 2016, pp. 27-33, 2016
42. D.Bogićević, I.Tot, **R.Šendelj**, "IoT Security Optimization", The 8th International Conference on Business Information Security, Belgrade, Serbia, October 2016, pp. 55-58, 2016
43. D.Đokić, M.Jovanović, S.Popović, **R.Šendelj**, N.Maček, "Raising Awareness of the need for safety of information in big business systems", The 8th International Conference on Business Information Security, pp. 88-93, October

2016, Belgrade, Serbia, 2016

44. Ognjanović, **R.Šendelj**, I.Ognjanović, "Impact analyses of Cyber attacks on Cloud systems", The 8th International Conference on Business Information Security, pp. 94-98, October 2016, Belgrade, Serbia, 2016
45. V. Šaban, I.Ognjanović, **R.Šendelj**, "Comparative analysis of some cryptographic systems", The 8th International Conference on Business Information Security, pp. 99-104, October 2016, Belgrade, Serbia, 2016
46. K.Duraković, I.Ognjanović, **R.Šendelj**, "Challenges in the application of digital certificates in Montenegro", The 3rd International Conference NT-2016, Bosnia and Herzegovina, May 2016, pp. 405-412, 2016
47. **R.Šendelj**, I.Ognjanović, "Cyber Security Education in Montenegro: current trends, challenges and open perspectives", 7th annual International Conference on Education and New Learning Technologies (EDULEARN15) , pp. Pages: 4525-4534, Barcelona, Spain, 6-8 July, 2015, ISBN: 978-84-606-8243-, ISSN: 2340-1117, 2015
48. D. Tomović, I.Ognjanović, **R.Šendelj**, "Security Challenges of Integration of Hash Functions into Cloud Systems", IEEE Mediterranean Conference on Embedded Computing (MECO 2015) , Montenegro 2015. DOI: 10.1109/MECO.2015.7181879, ISSN: 2377-5475, 2015
49. I.Burić, I. Ognjanović, **R. Šendelj**, "Comparative analyses of TEMPEST protection in management of secret data cyber security", RIM 2015, Bosnia&Herzegovina, 2015
50. J. Simićević, I. Ognjanović, **R. Šendelj**, "Cryptography challenges for cyber security model over clouds", 2nd International Conference "New technologies NT-2015", pp. 385-394, Bosnia&Herzegovina, 2015
51. J. Ljucović, I. Ognjanović, **R. Šendelj**, "Assessment of students' performance based on AHP algorithm and historical data", 2nd International Conference "New technologies NT-2015", pp. 414-423, Bosnia&Herzegovina, 2015
52. D.Tomović, **R. Šendelj**, "Different types of Cross Site Scripting Attacks and their security measures", The International Conference on e-Education (ICeE 2014), Mostar, Bosnia and Hercegovina, September 2014
53. I.Ognjanović, **R. Šendelj**, "Modeling students' preferences and academic performance", 7th Int.Conference of Education, Research and Innovation (ICERI14) , ISBN: 978-84-617-2484-0 / ISSN: 2340-1095, p.p.5765 – 5774. Seville 2014
54. **R. Šendelj**, I.Ognjanović, L. Kartasidou, "The National Star Model of Accessibility Support Center for University Students with Disabilities in Montenegro", EDULEARN14 Proceedings, 6th International Conference on Education and New Learning Technologies, Barcelona, Spain. 7-9 July, 2014. ISBN: 978-84-617-0557-3 / ISSN: 2340-1117, p.p.7366 – 7374. Publisher: IATED, 2014
55. **R.Šendelj**, I.Ognjanović, "Semantically enhanced cyber security over clouds: Methodological approach" , Proceedings of The International Conference on Advances in Information Processing and Communication Technology (IPCT) , p.p.126 – 131. Rome, Italy, 2014, doi: 10.15224/ 978-1-63248-021-7-90, ISBN:978-1-63248-021-7 , 2014
56. I.Ognjanović, **R.Šendelj**, J.Ljucović, "Analyses of OP4L services for personalized recommendation of learning resources", Proceedings of Mediterranean Conference on Embedded Computing IEEE MECO – 2014, p.p. 289- 293, Montenegro 2014, DOI:10.1109/MECO.2014.6862719, ISBN: 978-1-4799-4827-7, 2014
57. Dž.Strujić, **R.Šendelj**, R.Stojanović, "Adaptive fuzzy framework for e-Learning", Mediterranean Conference on Embedded Computing IEEE MECO – 2013, p.p. 270-273. Montenegro 2013, DOI: 10.1109/MECO.2013.6601376,

ISBN: 978-9940-9436-1 -5, ISSN: 2377-5475, ISSN:2377-5475, 2013

58. Dž.Strujić, **R.Šendelj**, "Architecture of systems for creating dynamically adaptive personalized systems for e-learning using semantic technologies", Proceedings of the 5th International Conference on Advanced Computer Theory and Engineering, (ICACTE 2012), Xie Yi, ASME, New York, 8 pp., August 2012, DOI: 10.1115/1.860045_ch40, 2012
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Regional conference (West Balkan countries)

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- system in Montenegro", IT Conference, Žabljak 2015, Montenegro, p.p.216-220 ISBN:978-86-85775-16-1, 2015
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 74. **R. Šendelj**, I.Ognjanović , "Analysis of cyber security in Montenegro: legislatives, institutional frameworks and education", The 2nd International multidisciplinary conference, Montenegrin Academy of Science and Arts, Podgorica, Montenegro, 2014
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 79. T.Vujičić, Dž.Strujić, **R.Šendelj**, "Advantage of using hibernate framework in Java EE applications", IT Conference, Žabljak 2012, Montenegro, ISBN:978-86-7664-102-4, p.p.36-40, 2012
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 84. N.Banović, **R.Šendelj**, "Possibilities of using SOA in practice", IT Conference, Zabljak 2010, Montenegro, p.p.90-94
 85. **R.Šendelj**,D.Milošević, M.Božović "Modern tools and Technology for eLearning", IT Conference, Zabljak 2009, Montenegro, p.p.31-35
 86. **R.Šendelj**, I.Ognjanović , M.Bukilić, "Conceptual framework for integration ICT in education system", IT Conference, Zabljak 2010, Montenegro, p.p.94-98
 87. I.Ognjanović , **R.Šendelj**, "eLearning- support to classic learning", INFOFEST 2009
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 89. **R.Šendelj**, A.Balota, Z.Glomazić, "Security of Health Care Information System", YU INFO Conference , Kopaonik, Serbia, March 2009
 90. Z.Glomazić, **R.Šendelj**, A.Balota, "Application for selected doctor- Contact", YU INFO Conference , Kopaonik, Serbia, March 2009
 91. **R.Šendelj**, A.Balota, Z.Glomazić, D.Reković, "Electronic receipt in primary health care", YU INFO Conference , Kopaonik, Serbia, March 2009

92. B. Savić, **R.Šendelj**, "Indicators of students' satisfaction with on-line courses", YU INFO Conference , Kopaonik, Serbia, March 2009
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96. **R.Šendelj**, D.Radović, "Java Class for Knowledge Representation", SYMOPIS , Herceg Novi, Montenegro, Septembar 1998
97. **R.Šendelj**, D.Radović, V.Devedžić, "Object Oriented Model of Turing Engines", ETRAN , Vrnjačka Banja, Serbia Jun 1998

International projects

1. **International Engineering Competence Centres to push Sustainable Mobility Development in Albania and Montenegro (INTEC)**
 Grant Provider: European Commission
 Project Coordinator: FH Joanneum Gesellschaft MBA, Graz, Austria
 Role: Researcher
 Duration: 2023-2026
2. **CA Cost Action 22104- Behavioral Next Generation in Wireless Networks for Cyber Security**
 Grant Provider: European Commission
 Program: COST| European Cooperation in Science and Technology
 Role: MC member, researcher
 Duration: 2023-2026
3. **CA Cost Action 22168 - Physical layer security for trustworthy and resilient 6G systems**
 Grant Provider: European Commission
 Program: COST| European Cooperation in Science and Technology
 Role: MC member, researcher
 Duration: 2023-2026
4. **Cybersecurity Rapid Response for Albania, Montenegro & North Macedonia**
 Grant Provider: European Commission
 Project Coordinator: e-Governance Academy, Estonia
 Role: Senior Researcher
 Duration: 2023 - 2024
5. **Cybersecurity Identification and Formulation Study on the Western Balkans**
 Grant Provider: European Commission
 Project Coordinator: e-Governance Academy, Estonia
 Role: Senior Researcher
 Duration: 2021 - 2022
6. **Digital Entrepreneurial Nest and Industry 4.0 in Montenegro (DigNest)**
 Grant Provider: European Commission
 Project Coordinator: University of Donja Gorica
 Role: Author and Finance Project Manager, Researcher
 Duration: 2021-2024

- 7. Enhancement of Cooperation Model with Stakeholders of Critical Information Infrastructure in Montenegro**
Grant Provider: European Commission
Program: PreAccession Countries / New Member States
Project Coordinator: Faculty of information systems and technologies, University Donja Gorica, Montenegro
Role: Author and leader researcher
Duration: 2020-2022
- 8. Interactive cultural digital map of Montenegro (CultDMap)**
Grant Provider: European Commission
Program: PreAccession Countries / New Member States
Project Coordinator: Čikom dodo/Faculty of Arts, University Donja Gorica, Montenegro
Role: Author and researcher
Duration: 2020-2022
- 9. “Network TRaffic Anomaly DEtectio system based on NetFlow data analysis – TRADE“**
Grant Provider: European Commission
Program: EUREKA
Project Coordinator: Faculty of information systems and technologies, University Donja Gorica, Montenegro
Role: Coordinator and Author
Duration: 2020-2023
- 10. CA Cost Action 19121- Network privacu-Aware audio and Video Based Application for Active and Assisted Living**
Grant Provider: European Commission
Program: COST| European Cooperation in Science and Technology
Role: MC member, researcher
Duration: 2020-2024
- 11. ERASMUS + Programme: Mobility for learners and staff – Higher Education Student and Staff Mobility**
Grant Provider: European Commission
Project Coordinator: Budapest University of Technologies and Economics, Budapest, Hungary
Role: UDG project leader and Author
Duration: 2020-2022
- 12. Enhancement of study programs in Public Health Law, Health Management, Health Economics and Health Informatics in Montenegro (PH-ELIM)**
Grant Provider: European Commission
Project Coordinator: University of Donja Gorica
Role: Project Coordinator and Author
Duration: 2016-2019
- 13. ERASMUS + Programme: Mobility for learners and staff – Higher Education Student and Staff Mobility**
Grant Provider: European Commission
Project Coordinator: Bucks New University, UK
Role: UDG project leader and Author
Duration: 2017-2018
- 14. ERASMUS + Programme: Mobility for learners and staff – Higher Education Student and Staff Mobility**

Grant Provider: European Commission
Project Coordinator: Hochschule Furtwangen University, Germany
Role: UDG project leader and Author
Duration: 2017-2018

15. CA Cost Action 16101- MULTI-modal Imaging of FOREnsic SciEnce Evidence - tools for Forensic Science

Grant Provider: European Commission
Program: COST| European Cooperation in Science and Technology
Role: MC member, researcher
Duration: 2017-2021

16. CA Cost Action 15222-European Network for cost containment and improved quality of health care

Grant Provider: European Commission
Program: COST| European Cooperation in Science and Technology
Role: MC member, researcher
Duration: 2016-2020

17. Enhancement of Cooperation Model with Stakeholders of Critical Information Infrastructure in Montenegro

Grant Provider: European Commission
Program: PreAccession Countries / New Member States
Project Coordinator: Faculty of information systems and technologies, University Donja Gorica, Montenegro
Role: UDG project leader and Author
Duration: 2016-2018

18. 'Enhancement of ICT Infrastructure at University Donja Gorica '

Program: National research projects
Role: UDG project leader and Author
Partner institutions: University Donja Gorica
Duration: 2016-2017

19. 'Quality Assurance on UDG'

Program: National research projects
Role: UDG project leader and Author
Partner institutions: University Donja Gorica
Duration: 2016-2017

20. ERASMUS + Programme: Mobility for learners and staff – Higher Education Student and Staff Mobility

Grant Provider: European Commission
Project Coordinator: Bucks New University, UK
Role: UDG project leader and Author
Duration: 2016-2017

21. Be Ready for EU values (BREV)

Grant Provider: European Commission - Erasmus+: Key-Action2 : Capacity Building in the field of Youth
Project Coordinator: CEMI, Montenegro
Role: UDG project leader and Author
Duration: 2015-2017

22. ERASMUS + Programme: Mobility for learners and staff – Higher Education Student and Staff Mobility

Grant Provider: European Commission
Project Coordinator: University of Economics in Bratislava, Slovakia

Role: UDG project leader and Author

Duration: 2015-2017

23. 'Enhancement of cyber educational system of Montenegro' (ECESM)

Grant Provider: European Commission

Program: TEMPUS

Project Coordinator: University of Maribor, Slovenia

Role: co-author, UDG-Project Leader

Duration: 2014-2016

24. 'Enhanced Government Learning' (EAGLE)

Grant Provider: European Commission

Program: FP7-ICT-2013-11

Project Coordinator: Dublin City University, Ireland

Role in project application: UNIM-researcher

Duration: 2013-2015

25. 'Blending academic and entrepreneurial knowledge in technology enhanced learning' (BAEKTEL)

Grant Provider: European Commission

Program: TEMPUS

Project Coordinator: Università degli Studi della Basilicata, Itali

Role in project application: UNIM-Project Leader

Duration: 2013-2016

26. 'Support and Inclusion of students with disabilities at higher education institutions in Montenegro' (SINC@HE)

Grant Provider: European Commission

Program: TEMPUS

Project Coordinator: University of Macedonia, Greece

Role: co-author, UNIM-Project Leader

Duration: 2012-2014

27. 'Online Presence for Learning' (OP4L)

Grant Provider: European Community's Programme for International Cooperation

Program: SEE-ERA.NET

Project Coordinator: Faculty of Organizational Sciences, University of Belgrade, Serbia

Role: UNIM-Project Leader

Duration: 2010-2012

28. 'Enhancing the quality of distance learning at the western Balkan higher education institutions' (DL@WEB)

Grant Provider: European Commission

Program: TEMPUS

Project Coordinator: University of Kragujevac, Serbia

Role: UNIM-Project Leader

Duration: 2010-2013

29. 'Semantically Enabled Development of Service-Oriented Architectures for Integration of Socio-Medical Data'

Program: National research projects

Role: UDG project leader and Author

Partner institutions: University of Donja Gorica, Montenegro; UMIT – University of Health Sciences, Medical Informatics and Technology, Austria

Duration: 2015-2017

30. 'Use of cloud computing and web services for development of new eLearning types'

Program: National research projects

Role: Author

Partner institutions: University Mediterranean, Montenegro; University in Bihac, Bosnia and Herzegovina

Duration: 2012-2014

31. 'Research on applications and introduction of new methods in eEducation systems'

Program: National research projects

Role: Project leader and Author

Partner institutions: University Mediterranean, Montenegro; University Džemal Bijedić, Mostar, Bosnia and Herzegovina

Duration: 2012-2014

32. 'Capacity building in e-learning for educational institutions'

Program: National research projects

Role: Project leader and Author

Partner institutions: University Mediterranean, Montenegro ; University of Maribor, Slovenia

Duration: 2011-2013

33. 'Development of dynamically adaptive SOA based on non-functional requirements and historical data'

Grant Provider: Ministry of sciences, Montenegro

Program: National research projects

Role: Project leader and Author

Duration: 2012-2015

34. Montenegro in the XXI Century – 'In the Era of Competitiveness', sub-project 'ICT and Education'

Grant Provider: Ministry of sciences, Montenegro

Leading institution: Montenegrin Academy Science and Arts, Montenegro

Role: Project leader and Author

Duration: 2010-2012