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## 1.1 Short biography

**Muzafer H. Saračević** (1984) is an associate professor of computer sciences at the University of Novi Pazar. He defended two bachelor theses: on Faculty of informatics and computing in Belgrade (*field of cryptography and data protection*) and on Faculty of information technology in Novi Pazar (*field of computer engineering*). He defended Msc. thesis on Faculty of Technical Sciences, University of Kragujevac (*educational technology in mathematics*) and 2013th year defend PhD. thesis on Faculty of Science and Mathematics, University of Niš (*field of computational geometry*).

He specialized on Oracle academy in the field of database and object-oriented programming. Also, he specialized in field of information security management system.

He is the author of over 130 professional and scientific articles, one scientific monograph, one textbook and two practicum. He is author of three accredited seminars by Institute for the Advancement of Education - Center for Professional Development in Education (Ministry of Education, Science and Technological Development, Serbia).

He is a member of the editorial board for five journals. He worked reviews for four international journals and three domestic journals. Reviewed by several works for five international conferences.

## 2.1 PhD, MSc and Bsc Thesis

- **PhD Thesis:** Faculty of Sciences and Mathematics, University of Niš, Serbia.  
*Title:* *Methods for solving the polygon triangulation problem and their implementation*,  
Classification of thesis: Computer graphics; Computational geometry [68U05], COBISS.SR-ID 1024571113.  
Supervisor: *Dr Predrag Stanimirović, full professor.*
- **MSc Thesis:** Faculty of Technical Sciences, University of Kragujevac, Serbia.  
*Title:* *The application of Java applets to create interactive contents for e-learning in mathematics*,  
Classification of thesis: Mathematics Education; Educational technology [97U], COBISS.SR-ID 512368286.  
Supervisor: *Dr Danijela Milošević, full professor.*
- **BSc Thesis:** Faculty of Informatics and Computing in Belgrade, Serbia.  
*Title:* *Application of Catalan numbers and some combinatorial problems in cryptography*.  
Classification of thesis: Cryptology and Coding theory [94A60, 14G50].  
Supervisor: *Dr Saša Adamović, associate professor.*

## 3.1 Scientific and Professional Papers (Summary)

Field classification in the papers:

- [PWS] : Programming, Web and Software engineering = **22 publications**
- [CDS] : Cryptography and Data Security = **12 publications**
- [CGG] : Computational Geometry and Graphics = **18 publications**
- [EEL] : Education and E-learning = **62 publications**
- [AIM] : Applied Informatics or Applied Mathematics = **26 publications**
- **Total number = 140 publications.**

## 3.2 Monograph, Book and Practicum

140. **Saračević M.** (2018), Computational Geometry, Catalan Numbers and Cryptography (Scientific monograph), *peer-review and recommendation of the International Committee of Informing Science Institute - California (USA)*, 310 pages, publisher: University of Novi Pazar, ISBN: 978-86-84389-52-9.
139. **Saračević M.** (2012), Alati za interaktivnu nastavu matematike i e-učenje (praktikum), *Izdavački centar Univerziteta u Novom Pazaru*, ISBN: 978-86-84389-28-4.
138. **Saračević M.** (2011), Objektno-orijentisano programiranje i modelovanje: JAVA i UML (udzbenik), *Izdavački centar Univerziteta u Novom Pazaru*, ISBN: 978-86-84389-22-2.

## 3.3 Book Chapter

137. **Saračević M.** (2017), Book Chapter (in English): WIRIS and Moodle Environment As Global Solution For Mathematics Education - Research About Positive Impact On Teaching And Learning, in: ***Balkan Educational Research (International research book)***, Editor: prof. dr Hikmet Asutay, publisher: Trakya University - Faculty of Education in Edirne, Turkey, ISBN: 978-975-374-213-9.
136. Selimi A., **Saračević M.** (2018), Book Chapter (in Turkish): The role of multimedia in interactive mathematics education - case study Macedonia, in: ***Balkan Educational Research (International research book)***, Editor: prof. dr Hikmet Asutay, publisher: Trakya University - Faculty of Education in Edirne, Turkey.

## 3.4 Papers in International and Domestic Journals

135. [CGG] **Saračević M.**, Masovic S., Stanimirovic P., Krtolica P., (2018), Method for finding and storing optimal triangulations based on Square Matrix, ***Applied Sciences - Geometry Balkan Press***, Vol.20, Indexed in SCOPUS (Elsevier), SJR IF: 0.26.
134. [CDS] **Saračević M.**, Aybeyan S., Selimovic F. (2018), Generation of cryptographic keys with algorithm of polygon triangulation and Catalan numbers, ***Computer Science - AGH***, Vol.19, ISSN: 1508-2806; e-ISSN: 2300-7036, AGH University of Science and Technology, Poland, Indexed in SCOPUS (Elsevier) and Emerging Sources Citation Index.
133. [PWS] **Saračević M.**, Selimi A., Mujevic M. (2018), Implementation Example of the Expert system for Decision Support on Android platform based on a specific Dataset, ***Periodicals of Engineering and Natural Sciences***, ISSN: 2303-4521, Vol.6, No.1, Indexed in SCOPUS (Elsevier).
132. [AIM] Selimi A., Milosevic M., **Saracevic S.** (2018), TOPSIS Model as a Mathematical Support in the Selection of Project from Aspect of Mobility Case Study, ***Journal of Applied Mathematics and Computation***, Vol. 2 No. 6, USA.
131. [AIM] Rahmanovic A., **Saracevic M.**, Selimi A. (2018), Design And Impletentation Of Electronic Payment System In The Specific Case Study, ***Knowlegde – International Journal***, Vol.24, ISSN: 1857-923X.
130. [CDS] **Saračević M.**, Koricanin E., Bisevac E. (2017), Encryption based on Ballot, Stack permutations and Balanced Parentheses using Catalan-keys, ***Journal of Information Technology and Applications***, ISSN: 2232-9625, Vol.7, No.2, indexed in: EBSCO Publishing.
129. [CDS] **Saračević M.**, Hadzic M., Koricanin E. (2017), Generating Catalan-keys based on dynamic programming and their application in steganography, ***International Journal of Industrial Engineering and Management (IJIEM)***, ISSN: 2217-2661, Vol.8, No.4, pp. 219-227, Indexed in SCOPUS (Elsevier), SJR IF: 0.17, Q3.
128. [AIM] Milošević D., Pepić S., **Saračević M.**, Tasić M. (2016), Weighted Moore-Penrose generalized matrix inverse: MySQL vs. Cassandra database storage system, ***Sadhana - Academy Proceedings in Engineering Sciences***, Vol. 41, Issue 8, pp. 837-846, ISSN: 0256-2499, publisher: SPRINGER and Indian Academy of Sciences, DOI :10.1007/s12046-016-0523-6. (*Thomson Reuters Science Citation Index: IF for 2016 = 0.465*).
127. [PWS] Sabanović M., **Saračević M.**, Azizović E. (2017), One software solution for data transfer between client and server with emphasis on saving memory and CPU usage, ***International Journal of Industrial Engineering and Management (IJIEM)***, ISSN: 2217-2661, Vol.8, No.1, pp. 1-8, Indexed in SCOPUS (Elsevier), SJR IF: 0.17, Q3.
126. [AIM] Rahmanović A., **Saračević M.**, Mujevic M., Sukic C. (2018), Possibilities of applying video surveillance and other ICT tools and services in the production process, ***TEM Journal: Association for Information Communication Technology Education and Science***, Vol.7, No.1, ISSN:2217-8309, Published by: UIKTEN, indexed in Thomson Reuters Emerging Science Citation Index, Indexed in SCOPUS (Elsevier).

125. [PWS] Sabanović M., **Saračević M.**, Dzemic K. (2018), Comparative Analysis of Data Transfer Technology Between Server and Client: AMF and Objects on the Website, *MEST Journal- Management, Education, Science and Society, Technology*, ISSN: 2334-7058 (Online), Vol.6, No.2, Publishers: MESTE NGO Belgrade, Faculty of Business and Industrial Management of the "Union" University Serbia, SZ and Associates, Toronto, Canada.
124. [AIM] Rahmanović A., **Saračević M.** (2017), The Significance of Using ICT in Telemetric Monitoring, Process Weighing and Control of the Coal, *Southeast European Journal of Soft Computing*, ISSN: 2223 -1859, Vol.6, No.1, pp. 40-43.
123. [CGG] Stanimirović P., Krtolica P., **Saračević M.**, Mašović S. (2014), Decomposition of Catalan Numbers and Convex Polygon Triangulations, *International Journal of Computer Mathematics*, ISSN: 0020-7160, Vol. 91, No. 6, pp. 1315–1328, DOI: 10.1080/00207160.2013.837894, publisher: Taylor and Francis - United Kingdom. (*Thomson Reuters Science Citation Index: IF for 2014 = 0.824*). Research project of the Serbian Ministry of Science [174033].
122. [PWS] Mašović S, **Saračević M.**, Stanimirović P. (2014), Alpha-Numeric notation for one Data Structure in Software Engineering, *Acta Polytechnica Hungarica: Journal of Applied Sciences*, ISSN: 1785–8860, Vol.11, No.1, pp.193-204, publisher: Obuda University, Hungarian Academy of Engineering and IEEE Hungary Section. (*Thomson Reuters Science Citation Index: IF for 2014 = 0.649*).
121. [CGG] **Saračević M.**, Stanimirović P., Krtolica P., Mašović S. (2014), Construction and Notation of Convex Polygon Triangulation based on ballot problem, *ROMJIST - Journal of Information Science and Technology*, Vol.17, No.3, ISSN: 1453–8245, pp. 237–251, publisher: IMT Bucharest - National Institute for Research and Development in Microtechnologies. (*Thomson Reuters Science Citation Index: IF for 2014 = 0.304*). Research project of the Serbian Ministry of Science [174013].
120. [EEL] Novalić F., Novalić M., **Saračević M.**, Azizović E. (2017), The Importance of E-learning for Doing Homework in Teaching Islamic Religious Instructions in Primary Schools, *Croatian journal of education*, ISSN: 1848-5189, Vol.19, No.1, pp. 267-303. (*Thomson Reuters Science Citation Index: IF for 2016 = 0.126*)
119. [CGG] **Saračević M.**, Aybeyan Selimi (2017), Application of the Computational Geometry in Linear Optimization, *VISION-International Refereed Scientific Journal*, accepted for Vol. 2, No.2.
118. [PWS] Sabanović M., **Saračević M.**, Azizović E. (2016), Comparative analysis of technologies for data transfer between the server and the client: AMF, JSON and XML, *Periodicals of Engineering and Natural Sciences*, ISSN: 2303-4521, Vol.4, No.2, DOI: 10.21533/pen.v4i2.57.g76.
117. [AIM] Rahmanović A., **Saračević M.** (2017), The feasibility and benefits of GPS telemetric monitoring in mining, *MEST Journal- Management, Education, Science and Society, Technology*, ISSN: 2334-7058 (Online), Vol.5, No.2, pp.117-124, Publishers: MESTE NGO Belgrade, Faculty of Business and Industrial Management of the "Union" University Serbia, SZ and Associates, Toronto, Canada.
116. [EEL] Selimi Aybeyan, **Saračević M.** (2017), Evaluation of Mathematical Exam in State Matura in the Republic Of Macedonia, *International peer-reviewed scientific journal of scientific research: Hikmet*, ISSN: ISSN: 1857-9663, No.30, pp.88-101.
115. [EEL] Selimi Aybeyan, **Saračević M.** (2017), The importance of riskless cash with the deterministic return in risk assessment of computer lab, *International peer-reviewed scientific journal of scientific research: Hikmet*, ISSN: ISSN: 1857-9663, No.29, pp.144-157.
114. [AIM] Plojovic S., Novalic F., **Saracevic M.**, Plojovic S. (2016), The possibility of implementation of decision support system in the process of maintenance of machinery, *FBIM Transactions: Journal for Finance, Business, Information, Industrial technologies and Management*, ISSN: 2334-704X, publisher: MESTE.
113. [EEL] Raicevic J, Nikolic S., Lipovac V., **Saracevic M.** (2017), Teachers and School Learning as a Factor of Modern Educational Competencies, *Bulgarian Journal of Science and Education Policy (BJSEP)*, ISSN: 1313-1958, Vol.11, No.2, pp.233-245.
112. [EEL] Azizovic E., Kacka M., **Saracevic M.**, Bihorac A. (2017), Social networks and students orthography, *Bulgarian Journal of Science and Education Policy (BJSEP)*, ISSN: 1313-1958, Vol.11, No.2, pp.370-383.
111. [AIM] Rahmanović A., **Saračević M.** (2016), Implementation of project GPS system in the function of telemetric monitoring and control in mining, *TEM Journal: Association for Information Communication Technology Education and Science*, Vol.5, No.4, pp. 475–479, ISSN:2217-8309, Published by: UIKTEN, indexed in Thomson Reuters Emerging Science Citation Index.
110. [AIM] Rahmanović A., **Saračević M.** (2016), Advantages of modern project management in the construction of ICT infrastructure, *CDQM Journal: Communications in Dependability and Quality Management*, ISSN: 1450–7196, Vol.19, No.3, pp. 18–24.
109. [CGG] Mašović S., **Saračević M.** (2014), Finding Optimal Triangulation based on Block Method, *Southeast European Journal of Soft Computing*, ISSN: 2223 -1859, Vol.3, No.2, pp. 14-18.

108. [PWS] Selimovic F., Loncarevic Z., **Saracevic M.** (2014), Improving university services using mobile web applications based on PHP/JSON-RPC technology, *Singidunum Journal of Applied Sciences*; 2014 Supplement (from SINTEZA), pp: 1015-1019, 5p, DOI: *10.15308/SInteZa-2014-1015-1019*, ISSN:2217-8090, Indexed in EBSCO.
107. [CGG] **Saračević M.**, Stanimirović P., Mašović S. (2013), Object-oriented analysis and design for one algorithm of computational geometry: Forward, Reverse and Round-Trip Engineering, *Journal of Information Technology and Applications*, ISSN: 2232-9625, Vol.3, No.2, pp. 96-106, indexed in: EBSCO Publishing.
106. [CGG] **Saračević M.**, Mašović S., Milošević D., Kudumović M. (2013), Proposal for applying the optimal triangulation method in 3D medical image processing, *Balkan Journal of Health Science*, ISSN: 2303-4092, Vol.1, No.1, pp. 27-34.
105. [PWS] **Saračević M.**, Mašović S. (2013), Advantages of ACID compliance in application development in FIREBIRD databases, *Strategic Management - International Journal of Strategic Management and Decision Support Systems*, ISSN: 1821-3448, Vol.18, No.1, pp.53-61.
104. [CGG] **Saračević M.**, Stanimirović P., Mašović S. (2013), Implementation of some algorithms in computer graphics in Java, *Technics Technologies Education Management*, Vol. 8, No.1, pp. 293-300, publisher: DRUNPP Association - Society for development of teaching and business processes in new net environment in BIH, (*Thomson Reuters Science Citation Index: IF for 2012 = 0.414*).
103. [CGG] **Saračević M.**, Mašović S., Milošević D. (2013), Java implementation for triangulation of convex polygon based on Lukaszewicz's algorithm and binary trees, *Southeast European Journal of Soft Computing*, ISSN: 2223 -1859, Vol.2, No.2, pp. 40-45.
102. [PWS] **Saračević M.**, Mašović S.(2013), Model implementacije sistema za e-plaćanje baziran na poslovnoj inteligenciji, *FBIM Transactions: Journal for Finance, Business, Information, Industrial technologies and Management*, ISSN: 2334-704X, Vol.1, No.2, str. 136-144, publisher: MESTE.
101. [EEL] **Saračević M.**, Kozić M., Selimović F., Fetaji B. (2013), Improving university teaching using application for mobile devices based on NetBiscuit platform and integration with the LMS, *TEM Journal: Association for Information Communication Technology Education and Science*, ISSN:2217-8309, Published by: UIKTEN, Vol. 2, No.1, pp. 87-92, indexed in EBSCO Publishing.
100. [CGG] Stanimirović P., Krtolica P., **Saračević M.**, Mašović S.(2012), Block method for Triangulation Convex Polygon, *ROMJIST - Journal of Information Science and Technology*, ISSN: 1453-8245, Vol.15, No.4, pp. 344-354, publisher: IMT Bucharest - National Institute for Research and Development in Microtechnologies, (*Thomson Reuters Science Citation Index: IF for 2012 = 0.283*).
99. [CGG] **Saračević M.**, Stanimirović P., Mašović S., Biševac E. (2012), Implementation of the convex polygon triangulation algorithm, *Facta Universitatis, series: Mathematics and Informatics*, ISSN: 0352-9665, Vol. 27, No.2, pp.213-228, indexed in MathSciNet, Zentralblatt MATH.
98. [EEL] **Saračević M.**, Milošević D., Mašović S. (2012), Inovacije i unapredjenje nastave matematike primenom JAVA apleta u sistemima za e-učenje, *Nastava i vaspitanje / Journal of Education*, ISSN:0547-3330, izdavač: Pedagoško društvo, Vol. 61, No. 4, str. 723-740.
97. [EEL] **Saračević M.**, Milošević D., Mašović S. (2012), Uporedna analiza uspešnosti savladavanja gradiva na tradicionalan način i putem interneta, *Inovacije u nastavi - časopis za savremenu nastavu*, ISSN: 0352-2334, Vol.25, No.4, str.67-77.
96. [AIM] **Saračević M.**, Mašović S., Plojović Š. (2012), UML modeling for traveling salesman problem based on genetic algorithms, *Southeast European Journal of Soft Computing*, ISSN: 2223 -1859, Vol.1, No 2, pp.72-79.
95. [AIM] Mašović S., **Saračević M.** (2012), Zastupljenost e-servisa u javnim upravama Srbije, *Info M - Journal of Information Technology and Multimedia Systems*, ISSN: 1451-4397, Vol.11, No. 41, pp. 21-25, Indexing in EBSCO Publishing.
94. [AIM] Stanimirović P., Tasic M., **Saračević M.**, Mašović S. (2012), UML-Based Modeling for the Moore-Penrose inverse computation, *Revista Metal. International*, ISSN: 1582-2214, Vol. 17, No. 12, pp. 99-106, publisher: Editura Stiintifica F.M.R. (Serbian Ministry of Science [Project:144011]). (*Thomson Reuters SCIE: IF for 2012 = 0.134*).
93. [EEL] **Saračević M.**, Mašović S., Šemsović M. (2012), Inovacije u visokom obrazovanju sa osvrtom na konkretan razvoj kursa prema ADDIE modelu za potrebe realizacije e-učenja na univerzitetu, *Socioeconomica – The Scientific Journal for Theory and Practice of Socioeconomic Development*, ISSN: 2217-7558, Vol. 1, No.2, pp. 267-280, indexing in Central and Eastern European Online Library, EBSCO Publishing...
92. [PWS] Mašović S., **Saračević M.**, Kamberović H., Kudumović M., (2012), Java technology in the design and implementation of web applications, *Technics Technologies Education Management*, ISSN: 1840-1503, Vol.7, No.2, pp. 504-512, publisher: DRUNPP Association - Society for development of teaching and business processes in new net environment in BIH, (*Thomson Reuters SCIE: IF for 2012 = 0.414*).

91. [PWS] Saračević M., Mašović S., Kamberovic H. (2012), Application of JAVA and UML tools to better quality of some matrices computations, *CDQM Journal: Communications in Dependability and Quality Management*, ISSN: 1450-7196, Vol.15, No.3, pp. 21-31.
90. [CGG] Sukić Ć., Saračević M. (2012), UML and JAVA as effective tools for implementing algorithms in computer graphics, *TEM Journal: Association for Information Communication Technology Education and Science*, ISSN:2217-8309, Published by: UIKTEN, Vol. 1, No.2, 2012, pp.111-117.
89. [CDS] Saračević M., Loncarevic Z., Hadzic M. (2017), Analiza nekih tehnika biometrijskih sistema autentifikacije sa akcentom na 2D i 3D tehnologije prepoznavanja lica, *Ekonomski izazovi*, ISSN: 2217-8821, Vol. 13, indexing in Central and Eastern European Online Library, M53 kategorija po MPNTR.
88. [CDS] Saračević M., Hadzic M. (2017), Security management in Cyber space and protection mechanisms of web applications, *Pravne teme*, ISSN: 2334-8100, Godina 5, Broj 9.
87. [CDS] Saračević M., Resovic N. (2017), Bezbednost u internet okruenju i konkretni primeri napada, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, Vol.16, indexing in Central and Eastern European Online Library, M53 kategorija po MPNTR.
86. [AIM] Selimi A., Saračević M., Hadzic M. (2018), Aktivno učenje u nastavi matematike / Active learning n mathematics, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, Vol.17, indexing in Central and Eastern European Online Library, M53 kategorija po MPNTR.
85. [EEL] Korianin E., Saračević M., Luboder H., Camovic M. (2016), Konceptualni modeli i sistemi za personalno okruenje za učenje, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, Vol.15, UDK: 37.015.3:004.438 (sa Medjunarodna naucno-strucna konferencija "Pedagoski razvoj individue u eri informacionih tehnologija", Novi Pazar, 25.04.2015).
84. [EEL] Luboder H., Korianin E., Saračević M., Kamberovic H. (2015), Tehnologije i alati za razvoj web i mobilnih aplikacija i njihova primena u nastavi, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, Vol.14, UDK: 004.438; 371:004 (sa medjunarodne naucno-strucne konferencije "Pedagoski razvoj individue u eri informacionih tehnologija", Novi Pazar, 25.04.2015).
83. [CDS] Bisevac E., Saracevic M., Koricanin E., Delic M. (2016), Uvid u Darknet i njegov nacin funkcionisanja, *Pravne teme*, ISSN: 2334-8100, Godina 4, Broj 7, str. 267-274.
82. [AIM] Fetić S., Saračević M. (2016), Kako su informacione tehnologije uticale na profitabilnost medija, *Ekonomski izazovi*, ISSN: 2217-8821, Vol. 5, pp. 44-55, indexing in Central and Eastern European Online Library.
81. [CDS] Saračević M., Korićanin E. (2016), Nasilje u internet okruženju i opasnost od krađe identiteta: Analiza stavova učenika o elektronskom nasilju i mogućim prevencijama, *Islamska misao*, ISSN: 1452-9580, Vol. 9, str. 181-191.
80. [CGG] Kamberović H., Saračević M., Korićanin E. (2015), The standard for digital imaging and communications in medicine - DICOM, *University Journal of Information Technology and Economics* (ISSN: 2335-0628, Online), Vol. 2, No. 1., pp.1-4.
79. [PWS] Luboder H., Korićanin E., Saračević M. (2015), Advanced techniques for developing web and Android applications, *University Journal of Information Technology and Economics* (ISSN: 2335-0628, Online), Vol. 2, No. 1, pp. 24-30.
78. [EEL] Korićanin E., Saračević M., Hasanović A. (2014), Nova era, novi izazovi: Primena MOOC-a za učenje stranih jezika, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, Vol.13, No.3, pp. 298-306. (*Specijalno izdanje: radovi sa konferencije "Balkan cultural permeation through philological and sociological dimensions in the 20 and century"*).
77. [EEL] Mujovic A., Saračević M., Koricanin E., Kamberovic H. (2014), Primena alata za kolaborativni rad sa dokumentima u nastavi i poslovanju, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, vol.13, No.1, str. 114-132.
76. [EEL] Saračević M., Korićanin E. (2014), Virtual learning environment and future of e-learning in enterprises, *University Journal of Information Technology and Economics* (ISSN: 2335-0628, Online), Vol. 1, No. 2, pp. 18-22.
75. [EEL] Korićanin E., Saračević M., Biševac E., Kamberović H. (2014), Concept and Types of Virtual Environments: Research about positive impact on teaching and learning, *University Journal of Information Technology and Economics* (ISSN: 2335-0628, Online), Vol. 1, No. 1, pp. 51-57.
74. [AIM] Saračević M., Elfić E., Plojović Š, Mašović S. (2013), Implementacija transportnog problema primenom metode meta-heurističkog pristupa, *Ekonomski izazovi*, ISSN: 2217-8821, No. 3, str. 39-48, indexing in Central and Eastern European Online Library.

73. [CGG] Selimović F., **Saračević M.** (2013), Jedan primer procesiranja slike primenom Database link tehnologije, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, Vol.12, No.1, str. 51-58, indexing in Central and Eastern European Online Library.
72. [EEL] Milošević D., **Saračević M.**, Medjedović E., (2013), Softverski alati za elektronsko ocenjivanje i analiza njihove evaluacije u nastavi, *Časopis "Dositej"*, ISSN: 2303 - 5056, br.1, str. 13-20, izdavač: Lanaco Banja Luka.
71. [EEL] **Saračević M.**, Camović M., Korićanin E. (2013), Primena edukativnih računarskih igara i "Second Life" virtuelnog okruženja u nastavi, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, Vol.12, No.3, pp. 51-58 (*Specijalno izdanje: radovi sa konferencije "LLC' 2013: Language, literature, culture - status and trends at the beginning of the 21st century"*), indexing in Central and Eastern European Online Library.
70. [EEL] **Saračević M.**, Plojović Š., Ujkanović E. (2012), Digitalni repozitorijumi u integraciji sa sistemima za upravljanje edukativnim sadržajima, *Ekonomski izazovi*, ISSN: 2217-8821, No. 1, str. 67-77, indexing in Central and Eastern European Online Library.
69. [PWS] Pepić S., **Saračević M.**, Jusović A. (2009), Funkcionalnost i implementacija informacionog sistema univerzitetske biblioteke, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, vol. 8, str. 113-119, indexing in Central and Eastern European Online Library.
68. [CGG] **Saračević M.**, Mašović S. (2008), Analiza i testiranje nekih tehnika kodovanja JPEG standarda za kompresiju slike, *Univerzitetska misao - časopis za nauku, kulturu i umjetnost*, ISSN: 1451-3870, vol. 7, str. 65-74, indexing in Central and Eastern European Online Library.

### 3.5 Papers in Proceedings on International and Domestic Conferences

67. [CDS] **Saračević M.** (2018), Application of Combinatorial Mathematics in Cryptography and Steganography (section: Combinatorial Optimization and Integer Programming), *BALCOR - XIII Balkan Conference on Operational Research*, Mathematical Institute SANU and University of Belgrade.
66. [CDS] **Saračević M.**, Selimi A. (2018), Security in the web environment and concrete examples of attacks on the internet, *ICEB' 18 - 4. International congress on economics and business*, Budapest/Hungary.
65. [EEL] Selimi A., **Saračević M.** (2017), Evaluation of mathematical exam in state matura in the republic of Macedonia, *Second Mediterranean international social congress (MECAS II)*, October 10-13, 2017 Metropol, Hotel Ohrid, Macedonia.
64. [EEL] Novalić F., Novalić M., **Saračević M.**, Hadzic M. (2016), Istraživanje potreba primjene LCMS tehnologija u nastavi Islamske vjeronauke / The research needs of the application LCMS technology in teaching Islamic religious instruction, *Međunarodna naučno-stručna konferencija - Inovacijama u budućnost*, ISBN: 978-86-84531-27-0, Fakultet za primenjeni menadžment, ekonomiju i finansije, Beograd.
63. [EEL] Luboder H., Korićanin E., **Saračević M.** (2016), Prednosti primene MOOC tehnologija sa aspekta samobrazovanja i celoživotnog učenja / Advantages of applying MOOC technology from the aspect of self-education and lifelong learning, *Međunarodna naučno-stručna konferencija - Inovacijama u budućnost*, ISBN: 978-86-84531-27-0, Fakultet za primenjeni menadžment, ekonomiju i finansije, Beograd.
62. [EEL] **Saračević M.**, Marković Đ. (2015), Predlozi učenja istraživanjem i evaluacija u nastavi matematike posredstvom Java apleta po modelu George-a Poly-a, *Međunarodna naučno-stručna konferencija "Kvalitet i izvrsnost u obrazovanju"*, ISBN 978-86-84531-20-1, COBISS.SR-ID 214375180, pp.319-326, Fakultet za primenjeni menadžment, ekonomiju i finansije, Beograd.
61. [EEL] Korićanin E., **Saračević M.** (2015), Designing of teaching e-materials by a model of instructional design: Development and implementation of the course "Human-computer interaction", *Networking, Science and Application (NETSA)*, ISBN: 978-86-7912-592-7, pp. 34-40, Faculty of Business, Singidunum University in Belgrade.
60. [EEL] Murić Dz., **Saračević M.**, Korićanin E., Hadzic M. (2015), Improving education by applying Screencasting tools: Research on the positive impact on student achievement, *Networking, Science and Application (NETSA)*, ISBN: 978-86-7912-592-7, pp. 125-131, Faculty of Business, Singidunum University in Belgrade.
59. [EEL] Selimović, F., **Saračević M.**, Lončarević, Z. (2014). Improving University services using mobile web applications based on PHP/JSON-RPC technology, *Sinteza 2014 - Impact of the Internet on Business Activities in Serbia and Worldwide*, ISBN: 978-86-7912-539-2, pp.1015-1019, DOI:10.15308/sinteza-2014-1015-1019, Singidunum University in Belgrade.
58. [EEL] **Saračević M.**, Lukač-Zoranić A. (2013), Analiza efikasnosti primene savremenih metoda u nastavi na Univerzitetu u Novom Pazaru, *5th International Social Sciences Conference in Balkans* (proceeding book - ISSCB 2013), pp. 435-448, Sakarya University - Turkey and University of Novi Pazar.

57. [AIM] Saračević M., Plojovic Š., Ujkanovic E., Bušatlic S. (2013), Implementation of transportation problem by using the method of meta-heuristics approach, *International Conference on Economic and Social Studies: ICESoS' 2013 / Economic crises and European Union*, ISBN 978-9958-834-23-3, International Burch University, 10-11 May, 2013.
56. [CGG] Pepić S., Saračević M. (2013), Comparative analysis of implementation one algorithm in computer graphics, *13th International Conference "Research and Development in Mechanical Industry" RaDMI2013*, Vol. 2, pp. 725-730, ISBN: 978-86-6075-043-5.
55. [EEL] Saračević M., Selimovic F., Mašović S. (2012), Integration of applications for mobile platforms with the systems of knowledge management, *XIII International symposium - SymOrg2012: Innovative management and business performance, symposium proceedings*, ISBN: 978-86-7680-255-5, pp. 924 - 929, Faculty of Organizational Sciences, University of Belgrade.
54. [PWS] Saračević M., Mašović S., Kamberovic H. (2012), Netbeans profiler as a tool for quality software assurance, *3rd International Conference ICDQM: Life cycle engineering and management*, ISBN: 978-86-86355-11-9, pp. 142-147, Serbia.
53. [CGG] Saračević M., Mašović S., Kamberović H. (2012), Implementacija nekih algoritama računarske grafike u JAVA NETBEANS okruženju, *XVI International Scientific and professional conference - Information Technology: IT2012*, ISBN: 978-86-7664-102-4, str. 136-140, Faculty of Information Technology, Mediteran University.
52. [EEL] Saračević M., Mašović S., Kamberovic H. (2012), Primena projektnog menadžmenta i instrukcionog dizajna u implemetaciji e-učenja na univerzitetu, *International Scientific Conference MANAGEMENT 2012*, ISBN: 978-86-84909-73-4, pp.619-625, UNION University, Belgrade.
51. [EEL] Plojović Š., Saračević M., Ujkanovic E., Becirovic S., (2012), Advanced techniques and application of learning content management systems in enterprises, Published in the Book of Abstracts ISSN: 2233-1565 and in *The Third International Symposium on Sustainable Development (ISSD 2012)*, ISBN: 978-9958-834-16-5, Vol.2, pp.319-326, International Burch University, BiH.
50. [EEL] Selimović F., Saračević M., Novalić F. (2012), Razvoj univerzitetske web aplikacije za mobilne uređaje u NETBISCUIT platformi, *XVI International Scientific and professional conference - Information Technology: IT2012*, ISBN: 978-86-7664-102-4, str. 144-148, Faculty of Information Technology, Mediteran University.
49. [EEL] Saračević M., Medjedović E., Mašović S., Selimović F., Kamberović H. (2011), Application learning content management systems, virtual classroom and m-learning in enterprises, *ICT for SME2011 - Information and Communication Technologies for Small and Medium Enterprises*, ISBN 978-86-7672-140-5, Technical Faculty "Mihajlo Pupin", University of Novi Sad, Serbia.
48. [PWS] Saračević M., Mašović S., Medjedović E., Kamberović H., Lončarević Z. (2011), Development of Information Systems in the Database Firebird, *The 7th International Conference Research and Development of Mechanical Elements and System-IRMES 2011*, ISBN:978-86-6055-012-7, pp.593-598.,Mechanical Engineering Faculty, Niš.
47. [EEL] Saračević M., Medjedović E., Ahmeti J., Mustafić F. (2011), Comparative analysis of the success studying students attending traditional learning or e-learning, *ITRO-conference: Information technology and development of education*, ISBN: 978-86-7672-134-4, pp.326-332, Technical Faculty "Mihajlo Pupin", University of Novi Sad.
46. [PWS] Saračević M., Mašović S., Medjedović E., Lončarević Z., Kamberović H. (2011), Primena UML-a u razvoju softvera larmanovom metodom, *X međunarodni naučno-stručni Simpozijum INFOTEH - Jahorina*, BIH, ISBN: 99938-624-2-8, Vol. 10, Ref. E-I-27, p. 519-523.
45. [EEL] Saračević M., Mašović S., Medjedović E., Kamberović H.(2011), Integracija WIRIS alata sa sistemom za e-učenje kao način unapredjenja nastave matematike, *INFOTECH 2011 - ICT Conference: Exhibition, Proceedings*, ISBN: 978-86-82831-12-9, Vrnjačka Banja.
44. [EEL] Saračević M., Milošević D., Medjedović E., Novalić F. (2011), Neki predlozi unapredjenja nastave matematike primenom alata za e-učenje, *6th International Symposium, technology, informatics and education for learning and knowledge society (TIO)*, ISBN: 978-86-7776-127-1, Vol1., pp. 459-466.
43. [EEL] Saračević M., Mašović S., Medjedović E., Selimović F., Šemsović M. (2011), Reinženjering nastavno-naučnog procesa na Univerzitetu u Novom Pazaru, *RPPO2011 - Reinženjering poslovnih procesa u obrazovanju*, ISBN: 978-86-7776-128-8, str. 29-35, Univerzitet u Kragujevcu.
42. [EEL] Saračević M., Mašović S., Selimović F., (2011), Unapredjenje obrazovanja, informisanosti i komunikacije zaposlenih u agrobiznis sektoru i način realizacije primenom LCMS-a, *Naučna konferencija - AGROBIZNIS2011*, ISBN 978-86-84389-25-3, str. 459-469, Novi Pazar.
41. [EEL] Saračević M., Mašović S., Medjedović E., Hadžiahmetović A. (2011), Infrastruktura za realizaciju i razvoj e-učenja u obrazovnom sistemu, *YUINFO 2011: XVII međunarodna konferencija o računarskim naukama i informacionim tehnologijama* (e-zbornik radova), pp. 15-19.

40. [EEL] Saračević M., Mašović S., Selimović F. (2011), Pozitivan uticaj primene JAVA programskog jezika u grafičkom predstavljanju problema u nastavi matematike, *Festival informatičkih dostignuća - INFOFEST 2011*, pp. 164-172.
39. [EEL] Hadžiahmetović A., Saračević M., Milošević D., Medjedović E. (2011), Apleti u nastavi kao podrška u funkciji motivacije talentovanih učenika, *6th International Symposium, technology, informatics and education for learning and knowledge society (TIO)*, ISBN: 978-86-7776-122-6, Vol2., pp. 773-780.
38. [EEL] Mašović S., Saračević M., Kamberović H., Medjedović, Lončarević, (2011), Procesni pristup razvoja sistema za elektronsko učenje i UML modelovanje, *YUINFO 2011: XVII međunarodna konferencija o računarskim naukama i informacionim tehnologijama* (e-zbornik radova), pp. 46-51.
37. [AIM] Mašović S., Saračević M., Medjedović E., (2011), Softverski alati za kolaboraciju u savremenom poslovnom okruženju, *Naučna konferencija - AGROBIZNIS2011 (u okviru projekta Bolja saradnja za bolju budućnost)*, ISBN 978-86-84389-25-3, str. 436-447, Univerzitet u Novom Pazaru.
36. [CDS] Mašović S., Saračević M., Zornić Dž. (2011), Bezbednost podataka u VPN-u na javnoj globalnoj mreži, *E-Trgovina / E-Commerce 2011: XI konferencija o elektronskoj trgovini i elektronskom poslovanju*, Akademski dan (e-zbornik radova), Palić-Subotica.
35. [AIM] Mašović S., Saračević M., Kamberović H., Medjedović E. (2011), Application ICT in Public Administration as a Condition of Establishing E-Government, *5th International quality conference*, Faculty for mechanical engineering, Center for Quality, ISBN:978-86-86663-68-9, Vol.1, pp. 387-392.
34. [AIM] Medjedović E., Saračević M., Mašović S., Biševac E. (2011), The Application of EDI Technology in Small and Medium Enterprises, *International scientific Conference - SMEPP 2011 (Small and Medium Enterprises - Possibilities and Perspectives)*, ISBN: 978-86-84389-26-0, pp. 551-563.
33. [PWS] Mašović S., Saračević M., Kamberović H., Medjedović E., Selimović F. (2011), Integrated Management Web-Based Applications on Java platform, *5th International quality conference*, Faculty for mechanical engineering, Center for Quality, ISBN: 978-86-86663-68-9, Vol. 2, pp.573-580.
32. [EEL] Medjedović E., Saračević M., Mašović S., Biševac E., Kamberović H. (2011), Infrastruktura sistema za e-učenje na Univerzitetu u Novom Pazaru, *X međunarodni naučno-stručni Simpozijum INFOTEH - Jahorina*, BIH, ISBN: 99938-624-2-8, Vol. 10, Ref. E-V-21, pp. 842-845.
31. [EEL] Mašović S., Saračević M., Kamberović H., Medjedović E. (2011), Modern trends in higher education and the future of e-learning, *ITRO-conference: Information technology and development of education*, ISBN: 978-86-7672-134-4, pp.321-326, University of Novi Sad, Serbia.
30. [AIM] Novalić F., Selimović F., Saračević M. (2011), The importance of use web applications in small and medium companies, *International scientific Conference - SMEPP 2011 (Small and Medium Enterprises - Possibilities and Perspectives)*, ISBN: 978-86-84389-26-0, pp. 543-551.
29. [PWS] Saračević M., Mašović S., Medjedović E. (2010), Application of object-oriented analysis and design in navigation systems and transport networks, *10th International Conference "Research and Development in Mechanical Industry", RaDMI 2010*, ISBN: 978-86-6075-017-6, pp. 656-664.
28. [EEL] Saračević M., Mašović S. (2010), Primena UML modelovanja i PHP jezika u izradi web aplikacije za e-učenje, *The First International Conference eLearning2010*, ISBN: 978-86-912685-3-4, vol1., str. 131-136, Univerzitet METROPOLITAN, Beograd.
27. [PWS] Saračević M., Mašović S., Kamberović H. (2010), Tehnike Text Mining-a i njihova realizacija primenom objektno-orijentisane analize, *18. Internacionalni telekomunikacioni forum TELFOR 2010*, ISBN: 978-86-7466-392-9, pp. 1097-1100, Organizator: Elektrotehnički Fakultet Univerziteta u Beogradu i IEEE Serbia COM chapter.
26. [PWS] Saračević M., Mašović S., Lončarević Z. (2010), Primena UML dijagrama aktivnosti u predstavljanju Data Mining modela tehnikom genetskih algoritama, *18. Internacionalni telekomunikacioni forum TELFOR 2010*, ISBN: 978-86-7466-392-9, pp. 1101-1104, Organizator: Elektrotehnički Fakultet Univerziteta u Beogradu i IEEE Serbia COM chapter.
25. [AIM] Mašović S., Saračević M., Kamberović H., Milović B. (2010), Information and communication technology as a tool for establishing e-health, *10th International Conference "Research and Development in Mechanical Industry", RaDMI 2010*, ISBN: 978-86-6075-017-6, pp. 624-632.
24. [PWS] Mašović S., Saračević M., Kamberović H. (2010), Objektno-orijentisani pristup u simulaciji i metodologija simulacionog modeliranja, *Festival informatičkih dostignuća - INFOFEST 2010*, str.118-130, Budva, Crna Gora.
23. [AIM] Medjedović E., Saračević M., Pepić S. (2010), Unapredjenje poslovanja u sistemima elektronskog plaćanja, *Festival informatičkih dostignuća - INFOFEST 2010*, str. 131-141, Budva, Crna Gora.



22. [EEL] Mašović S., Saračević M. (2010), Modelovanje poslovnih procesa i primena Data Mining tehnika u e-učenju, *The First International Conference eLearning2010*, ISBN: 978-86-912685-3-4, vol1., 107-111, Univerzitet METROPOLITAN.
21. [PWS] Saračević M., Mašović S., Kamberović H., Lončarević Z. (2010), Programiranje transakcija i uskladištenih procedura u oblasti informacionih sistema, *XIV Konferencija : E-Government - Informacioni sistem državnih organa Republike Srbije (IS-DoS 2010, e-zbornik)*.
20. [AIM] Mašović S., Saračević M., Kamberović H., Lončarević Z. (2010), Elektronski servisi u javnoj upravi kao uslov za uspostavljanje e-Uprave, *XIV Konferencija: E-Government - Informacioni sistem državnih organa Republike Srbije (IS-DoS 2010, e-zbornik)*.
19. [AIM] Selimi A., Milosevic M., Saračević M. (2017), AHP – TOPSIS Model as a Mathematical Support In the Selection of Project From Aspect of Mobility, *International conference of applied sciences engineering and mathematics: "Apply the science of today - create the opportunities of tomorrow" (ICASEM 2017)*, ISBN 978-608-65137-5-7, International Balkan University, Ohrid-Struga, Republic of Macedonia.
18. [EEL] Saračević M., Korićanin E. (2015), Segmentna, holistička i kognitivno-zasnovana personalizacija e-učenja i neki predlozi primene u inkluzivnom obrazovanju, *Metodicki Dani 2015: Kompetencije vaspitača za društvo znanja (knjiga rezimea) / Methodical Days 2015: Learning of educators for knowledge society (book of abstracts)*, ISBN: 978-86-85625-19-0, pp. 50–52.
17. [EEL] Saračević M. (2014), Unapredjenje nastave matematike primenom obrazovnih računarskih igara, elektronskih testova i virtuelnih okruženja / Improving the teaching of mathematics by using educational pc games, electronic tests and virtual learning environments, *3th International Conference Methodical Aspects of Teaching Mathematics [MATM 2014]*, ISBN: 978-86-7604-116-9, pp.41-42.
16. [EEL] Saračević M., Aljović M. (2013), Stil učenja kao bitan psihološki faktor u okruženjima za e-učenje, *Metodicki Dani 2013: Kompetencije vaspitača za društvo znanja (knjiga rezimea) / Methodical Days 2013: Learning of educators for knowledge society (book of abstracts)*, pp. 105/106, ISBN: 978-86-85625-11-4.
15. [EEL] Saračević M., Biševac E. (2013), Značaj primene IS na Visokoškolskim ustanovama (IS baziran na Python-u i Java tehnologijama. Studija slučaja: Univerzitet u Novom Pazaru), *V Konferencija Oracle grupe korisnika Srbije*, (book of abstracts, COBISS.SR-ID: 280319751, <http://www.sroug.rs/>).
14. [EEL] Saračević M., Medjedovic E., Milosevic D. (2012), Alati za kreiranje on-line testova i njihova implementacija u nastavi, *10. Medjunarodna naučno-stručna konferencija - Na putu ka dobu znanja*, Fakultet za menadžment, str.72, ISBN: 978-86-85067-41-9, Novi Sad.
13. [EEL] Saračević M., Medjedovic E., Milosevic D. (2012), Istraživanje o stavovima učenika i nastavnika o primeni alata za kreiranje e-testova, *10. Medjunarodna naučno-stručna konferencija - Na putu ka dobu znanja*, Fakultet za menadžment, str.73, ISBN: 978-86-85067-41-9, Novi Sad.
12. [CGG] Saračević M., Mašović S., Kamberović H. (2012), Procedure of division convex polygon triangulation and application in computer graphics, *6th International quality conference*, Faculty of Engineering, ISBN: 978-86-86663-82-5, Center for Quality, Vol.2, pp. 991.
11. [AIM] M.B. Tasić, Saračević M. (2011), UML modeling for computation of the Moore-Penrose inverse, *9th Symposium "Novel Technologies and Economic Development"*, ISBN: 978-86-82367-92-5, pp.139, Faculty of Technology.
10. [EEL] Saračević M., Medjedović E., Mašović S., Selimović F., Kamberović H. (2011), Sistemi za upravljanje sadržajem učenja kao podrška u preduzećima, *9. Medjunarodna naučno-stručna konferencija - Na putu ka dobu znanja*, ISBN: 978-86-85067-31-0, str. 61, Fakultet za menadžment, Novi Sad.
9. [EEL] Saračević M., Mašović S., Selimović F., Lončarević Z. (2011), Primena virtuelnih učionica u cilju poboljšanja kolaborativnog rada, *9. Medjunarodna naučno-stručna konferencija - Na putu ka dobu znanja*, ISBN:978-86-85067-31-0, str. 62, Fakultet za menadžment, Novi Sad.

### 3.6 Articles in Newsletters journals

8. [EEL] Korićanin E., Saračević M. (2016), Kratak pregled virtuelnih muzeja, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 9, August 2016, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web, <http://www.badennet.org/>.
7. [EEL] Saračević M., Korićanin E. (2015), Analiza stavova studenata o primeni savremenih alata i tehnologija za e-učenje na Departmanu za računarske nauke Univerziteta u Novom Pazaru, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 7, Jun 2015, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web, <http://www.badennet.org/>.

6. [EEL] Korićanin E., Saračević M. (2015), Kratak pregled sistema za personalna okruženja za učenje, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 7, Jun 2015, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web, <http://www.badennet.org/>.
5. [EEL] Saračević M. (2014), Primena alata za e-ocenjivanje u cilju efikasne samoevaluacije u nastavi programskih jezika, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 4, Mart 2014, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web, <http://www.badennet.org/>.
4. [EEL] Hadžiahmetović A., Saračević M. (2014), Informaciono-komunikacione tehnologije i nastavnicke kompetencije, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 4, Mart 2014, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web, <http://www.badennet.org/>.
3. [EEL] Saračević M. (2013), Aplikacije za mobilne platforme u funkciji kvalitetnijeg obrazovanja. Studija slučaja: Univerzitet u Novom Pazaru, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 3, November 2013, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web.
2. [EEL] Saračević M. (2013), Učenje programskih jezika na daljinu: Iskustvo na Univerzitetu u Novom Pazaru, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 2, August 2013, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web..
1. [EEL] Saračević M. (2013), Wiris - web alat za unapredjenje nastave matematike, *Balkan Distance Education Network - BADEN Newsletter*, ISSN: 2334-9220 (Online), Issue 1, April 2013, Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web, <http://www.badennet.org/>.

### 3.7 Editor of articles in the international scientific journals

- Teimourpour B., Eslami V., Mohammadi M., Padidarfard M. (*Editor: Muzafer Saracevic*). A conceptual model for creation of a process-oriented knowledge map (POK-Map) and implementation in an electric power distribution company. *Interdisciplinary Journal of Information, Knowledge, and Management*, Vol. 11, pp.1-16, 2016. ISSN: 1555-1229 (publisher: Informing science institute Santa Rosa, California, USA). Retrieved from <http://www.ijikm.org/Volume11/IJIKMv11p001-016Teimourpour2092.pdf>
- Gatuha G., Jiang T. (*Editor: Muzafer Saracevic*). KenVACS: Improving vaccination of children through cellular network technology in developing countries. *Interdisciplinary Journal of Information, Knowledge, and Management*, Vol. 10, pp. 37-46, 2015. ISSN: 1555-1229 (publisher: Informing science institute Santa Rosa, California, USA). Retrieved from <http://www.ijikm.org/Volume10/IJIKMv10p037-046Gatuha1038.pdf>

### 3.8 Citations in Refereed Journal and Proceedings

#### Only Hetero-citations:

- International Journal of Engineering and Advanced Technology Studies (United Kingdom),
- WIT Transactions on Information and Communication Technologies (United Kingdom),
- IGI Global Press: In monograph "Methodologies and Case Studies for Successful Learning" (USA),
- Emerging Markets Case Studies Collection (United Kingdom),
- International Journal of Computer Science and Business Informatics (India),
- International Journal of Computer Applications (Foundation of Computer Science, USA),
- Science Journal of University of Zakho (Iraq),
- Educacion Medica Superior (Cuba),
- Publication on postgraduate studies at Escuela Tecnica Superior de Ingenieros Informaticos (Spain),
- International Journal of Advanced Research in Computer Science and Software Engineering (India),
- IOP Series: Materials Science and Engineering (IOP publishing: UK/USA),
- International Conference of Information Science and Management Engineering (China),
- Nasional Pendidikan Teknik Informatik (Indonesia),
- High Performance Computing and Communications (IEEE: France),
- Intelligent Systems and Informatics (IEEE Hungary),
- In monograph "Handbook of research on innovative technology integration in higher education" (USA),
- Publication on postgraduate studies at the Islamic University of Gaza (Palestine),
- Publication on postgraduate studies at the Zarqa University (Jordan),
- Publication on postgraduate studies at the Addis Ababa University (Ethiopia),
- IEEE proceedings, Computer Science and Information Technologies (Ukraine),
- Journal of Basic and Applied Research International (International Knowledge Press - India),
- Graph Theoretical Methods for Design and Analysis of Spatial Configurations (Thesis - Netherlands),
- Publication on postgraduate studies at Universidade do Algarve (Portugal),

- Publication on postgraduate studies at University "Goce Delev" (Macedonia),
- Actual problems of education (Latvia),
- Journal Tehniki vjesnik Technical Gazette (Croatia),
- Applicable Analysis and Discrete Mathematics (Serbia),
- Balkan Journal of Health Science (BIH),
- Medijski Dijalozi / Media Dialogues: Journal for research of the media and society (Montenegro),
- Electronic National University of Food Technologies Institutional Repository (Ukraine),
- TEM Journal: Association for Information Communication Technology Education and Science (Serbia),
- Bulgarian Journal of Science and Education Policy (Bulgaria),
- Facta universitatis: Mathematics and Informatics (Serbia),
- Industrija (Serbia),
- Nauka i stvarnost (BIH),
- FBIM Transactions (Serbia),
- University journal of Information Technology and Economics (Serbia),
- 4th International Maritime Science Conference - IMSC 2012 (Croatia),
- XIV International Science Conference "Sinergija 2013" (Bosnia and Herzegovina),
- International M-sphere conference for multidisciplinary in business and science (Croatia),
- International Scientific Conference - COMPUTER SCIENCE'2015 (Albania),
- Sinteza 2014: Impact of Internet on Business activities in Serbia and Worldwide (Serbia) etc.

## 4.1 Education and specializations

### 4.1.1 Doctoral studies

#### Faculty of Sciences and Mathematics, University of Nis (2013).

Acquired scientific title - *Doctor of Computer Science*, area: Computational geometry:

Thesis: *Methods for solving the polygon triangulation problem and their implementation*. Defended Board:

1. Dragan Stevanović, Ph.D.(president), Mathematical Institute SANU, Belgrade,
2. Predrag Stanimirović, Ph.D.(supervisor), Faculty of Sciences and Mathematics, University of Nis,
3. Danijela Milošević, Ph.D.(member), Faculty of Technical Sciences (Čačak), University of Kragujevac,
4. Milan Tasić, Ph.D.(member), Faculty of Sciences and Mathematics, University of Nis
5. Predrag Krtolica, Ph.D.(member), Faculty of Sciences and Mathematics, University of Nis.

### 4.1.2 Master studies

#### Faculty of Technical Sciences, University of Kragujevac.

*Master professor of techniques and informatics, average mark 10.00*, best student in generation.

Thesis: *The application of Java applets to create interactive contents for e-learning in mathematics*. Board:

1. Radojka Krmeta, Ph.D.(president), Faculty of Technical Sciences (Čačak), University of Kragujevac,
2. Danijela Milošević, Ph.D.(supervisor), Faculty of Technical Sciences (Čačak), University of Kragujevac,
3. Dragana Bjekić, Ph.D.(member), Faculty of Technical Sciences (Čačak), University of Kragujevac.

### 4.1.3 Bachelor studies 2

#### Faculty of Informatics and Computing, Singidunum University in Belgrade.

*Graduate computer scientist - Cryptology and Coding theory, average mark 9.82*.

Thesis: *Application of Catalan numbers and some combinatorial problems in cryptography*. Defended Board:

1. Marko Sarac, Ph.D. (president), Faculty of Informatics and Computing, Singidunum University in Belgrade,
2. Saša Adamović, Ph.D. (supervisor), Faculty of Informatics and Computing, Singidunum University in Belgrade.

### 4.1.4 Bachelor studies 1

#### Faculty of Information Technologies, University of Novi Pazar.

*Graduate Engineer of Information Technology, average mark 9.88*, best student in generation.

Thesis: *Electronic Data Interchange*. Defended Board:

1. Velimir Sotirović, Ph.D. (president), Technical Faculty "Mihajlo Pupin" (Zrenjanin), University of Novi Sad,
2. Branislav Egić, Ph.D. (supervisor), Technical Faculty "Mihajlo Pupin" (Zrenjanin), University of Novi Sad,
3. Čamil Sukić, Ph.D. (member), Faculty of Informatics and Information Technologies, University of Novi Pazar.

### 4.1.5 Specializations and certifications::

- TMS Academy in Belgrade, partner TV SD Germany - "ISO/IEC 27001 Information Security Management System".
- Oracle Academy (one semester - 2014/15, 90 hours): *JAVA Programming - advanced level, (Oracle Certified instructor, 07.02.2015., Metropolitan University in Belgrade)*.
- Oracle Academy (one semester - 2013/14, 90 hours): *JAVA Fundamentals - basic level, (Oracle Certified instructor, 08.02.2014., Metropolitan University in Belgrade)*.

- Oracle Academy (one semester - 2012/13, 180 hours): *Database Programming with PL/SQL*, (Completed course and exam, 01.02.2013., Faculty of Technical Sciences, University of Kragujevac).
- Oracle Academy (one semester - 2011/12, 180 hours): *Database Design and Programming with SQL*, (Completed course and exam, 01.06.2012., Faculty of Technical Sciences, University of Kragujevac).
- Finished program for teacher competencies from psychological-pedagogical-methodical disciplines (*Faculty of Technical Sciences, approved by Senate of University of Kragujevac, No. III-01-153/10.,27.02.2014.*).
- Attended workshop "Cognitive development and its role in the advancement of education and scientific research methods in Islamic sciences", *ISESCO: Islamic Educational, Scientific and Cultural Organization*.

## 5.1 Pedagogical work and experience

### 5.1.1 University of Novi Pazar, Department of computer sciences

Teaching assistant: oct. 2007 / Assistant Professor: feb. 2014 / Associate Professor: feb. 2017 ... :

- Courses on Bachelor studies: *Data Structures and Algorithms, Introduction to programming (C++)*, *Object-oriented programming 1 (Python)*, *Object-oriented programming 2 (Java)*, *Databases*, *Software engineering*, *Encryption and encoding*, *Security in the web environment*.
- Courses on Master studies: *Selected topics from information systems*, *Cryptographic implementation in Java*.
- Courses on PhD studies: *Advanced course from object-oriented programming*, *Advanced course from computational geometry*.

### 5.1.2 University of Prizren, Faculty of computer sciences

Visiting professor: oct. 2014 - ..., Program: Telecommunications and Information Technology:

- Courses on Bachelor studies: *Programming, Algorithms and Data structures*, *Database*, *Authentication and Cryptography*, *Software Engineering*, *Cloud computing*.

### 5.1.3 Faculty of Islamic Studies, Novi Pazar

Visiting professor: oct. 2013 - ...:

- Courses on Bachelor studies: *Basics of Informatics*.

### 5.1.4 Other institutions (schools, centers, academies)

- Courses in primary school (oct. 2008 - sep. 2011): (1) *Mathematics*, (2) *Technical and IT education*..
- ZUOV - Institute for the Advancement of Education, Center for Professional Development in Education: (1) *Tools for creating interactive content in contemporary teaching*, (2) *Support developing and application of multimedia content in teaching of technics and IT*, (3) *Creation of electronic didactic materials for teaching mathematics*.
- Oracle Academy courses on Department of computer sciences, UNINP: (1) *Java fundamentals*, (2) *Java programming*.
- Clever Center, Novi Pazar: *Database and Design of Information Systems*, *Programming in Java and developing of graphics applications*, *General application of computer*.

### 5.1.5 Accredited seminars in education - authorship and realization

- "Tools for creating interactive content in contemporary teaching", *Institute for the Advancement of Education, Center for Professional Development in Education*, Serbia. Supported by "Regionalni centar Novi Pazar", implementation period: 2014/15, 2015/16, 2016/17 and 2017/18.
- "Creating of electronic didactic materials for teaching mathematics", *Institute for the Advancement of Education, Center for Professional Development in Education*, Serbia. Supported by "Regionalni centar Novi Pazar", implementation period: 2016/17 and 2017/18.
- "Support developing and application of multimedia content in teaching of IT education", *Institute for the Advancement of Education, Center for Professional Development in Education*, Serbia. Supported by "University of Novi Pazar", implementation period: 2014/15 and 2015/16.

### 5.1.6 Supervisor of Bsc, Msc and Phd Theses

- Bachelor thesis directed (29 students on University of Novi Pazar)
- Bachelor thesis directed (6 students on University of Prizren)
- Master thesis directed (7 students on University of Novi Pazar)
- PhD thesis directed (1 student on University of Novi Pazar)
  - Other:
    - Membership of the Committee for Defense for Bachelor thesis (17 students);
    - Membership of the Committee for Defense for Master thesis (4 students).
    - Membership of the Committee for PhD thesis (1 students).

## 6.1 Reviews and memberships in editorial board

### 6.1.1 Journals

- **Applicable Analysis and Discrete Mathematics - AADM** (*reviewer*), ISSN 1452-8630 (printed), ISSN 2406-100X (online).
- **International Journal of Software Engineering and Knowledge Engineering - IJSEKE** (*reviewer*), Print ISSN: 0218-1940, Online ISSN: 1793-6403, USA.
- **Interdisciplinary Journal of Information, Knowledge and Management** (*Editor and reviewer*), Online ISSN: 1555-1237 Print ISSN: 1555-1229, USA.
- **Southeast Europe Journal of Soft Computing**, (*Editor and Reviewer*), ISSN: 22331859.
- **Periodicals of Engineering and Natural Sciences (PEN)**, (*Editor and Reviewer*), ISSN: 2303-4521.
- **Ekonomski izazovi - Economic challenges**, (*Editorial Board*), ISSN, 2217-8821. eISSN, 2560-4805.
- **Informing Science: The International Journal of an Emerging Transdiscipline** (*reviewer*), Online ISSN: 1521- 4672, Print ISSN: 1547-9684, USA.
- **BADEN Newsletter - Balkan Distance Education Network**, (*Editorial board*), ISSN: 2334-9220 (Online), Tempus Project: Enhancing the quality of distance learning at Western Balkan higher education institutions DL@Web, <http://www.badennet.org/>
- **Univerzitetska Misao / University Thought: Journal of science, culture and art** (*Executive editor*), ISSN:1451-3870.
- **TEM Journal: Association for Information Communication Technology Education and Science**, (*Reviewer*), ISSN:2217-8309.
- **Journal of Information Technology Education: Research (JITE: Research)**(*reviewer*), Online ISSN: 1539-3585, Print ISSN: 1547-9714, USA.
- **Journal of Information Technology Education: Innovations in Practice (JITE:IIP)** (*reviewer*), Online ISSN: 2165-316X, Print ISSN: 2165-3151, USA.
- **FBIM Transactions** - Finance, Business, Information and Industrial technologies, Management (*Reviewer*), ISSN: 2334-704X (Online).
- **MEST Journal** - Management, Education, Science and Society, Technology (*Reviewer*), ISSN: 2334-7058 (Online).
- **International Journal of Doctoral Studies (IJDS)**(*reviewer*), Online ISSN: 1556-8873, Print ISSN: 1556-8881.
- **Interdisciplinary Journal of e-Skills and Lifelong Learning (IJELL)**(*reviewer*), Online ISSN: 2375-2092, Print ISSN: 2375-2084, USA.
- **UNITE Journal: University journal of Information Technology and Economics** (*Associate Editor*), ISSN:2335-0628.

### 6.1.2 Conferences

- **2nd International Conference Europe Middle East and North Africa Information Systems and Technologies to support Learning** (EMENA - ISTL 2018, Springer), Universite Privee, Fez, Morocco.
- **International Conference on Computational Techniques in Information and Communication Technology** (ICCTICT-2016, IEEE Delhi section), New Delhi, India.
- **The Europe, Middle East and North Africa Conference on technology and security used to support learning** (EMENA TSSL2016, Springer), Faculty of Sciences, University Mohammed First Oujda Morocco.
- **WorldCIST'17 - 5th World Conference on Information Systems and Technologies**, Porto Santo Island, Madeira, Portugal. <http://www.worldcist.org/index.php/committees>
- **Informing Science Conferences** (*members of the International Board of Reviewers*):
  - Montreal, Canada (2012); InSITE: <http://www.informingscience.org/Conferences/InSITE2012/Overview>
  - Porto, Portugal (2013); InSITE: <http://www.informingscience.org/Conferences/InSITE2013/Overview>
  - Cape Town, South Africa (2014): Informing Science Institute and the e-Skills Conference 2014
  - Wollongong, NSW, Australia (2014); InSITE: <http://www.informingscience.org/Conferences/InSITE2014/Overview>
  - Tampa, Florida (2015); InSITE: <http://www.informingscience.org/Conferences/InSITE2015/Overview>
  - Vilnius, Lithuania (2016); InSITE: <http://www.informingscience.org/Conferences/InSITE2016/Overview>
- **ICTIC 2016 - Information and communication technology - The 5th International Conference**, Publishing Society, Slovakia. <http://www.ctic.sk/reviewers/>

### 6.1.3 Other participation in organizational committees:

- **Monograph of the University of Novi Pazar** (*member in editorial board in the process of creating of the publication, on the occasion of the 10th anniversary of the university, 2002-2012*) ISBN: 978-86-84389-32-1 <http://media.uninp.edu.rs/upload/ouniverzitetu/dan2012/monografija2012/index.html>

### 6.1.4 Chairman sessions

- *6th International Symposium: Technology, informatics and education for learning and knowledge society* (2011), organizer: University of Kragujevac - Faculty of Technical Sciences
- *5th International Social Sciences Conference in Balkans* (2013), organizers: Sakarya University - Turkey and University of Novi Pazar;
- *3th International Conference Methodical Aspects of Teaching Mathematics* (2014), organizer: University of Kragujevac - Faculty of education,
- *International Conference "Pedagogical development of the individual in the era of information technology"*, Novi Pazar, (25.04.2015.), organizers: University of Novi Pazar;
- *International Scientific Conference "Contemporary Perspectives of Educational Work"*, Novi Pazar, (14.04.2018.), organizers: University of Novi Pazar;

**Muzafer Saračević, Ph.D.**