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School of Economics and Business

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CURRICULUM VITAE

EDUCATION

Doktorat (PhD): Ekonomski fakultet Univerziteta u Sarajevu (School of Economics and Business, University of Sarajevo), Sarajevo, Bosnia and Herzegovina, 01.06.1991.

Magistarski rad (MSc): Ekonomski fakultet Univerziteta u Sarajevu (School of Economics and Business, University of Sarajevo), Sarajevo, Bosnia and Herzegovina, 27.06.1987.

Magistarski studij iz poslovne informatike (Graduate Program in Business Informatics): zajednički program Ekonomskog fakulteta i Elektrotehničkog fakulteta Univerziteta u Sarajevu (University of Sarajevo), Sarajevo, Bosnia and Herzegovina, 1984-1987.

Dodiplomski studij (BSc): Ekonomski fakultet Univerziteta "Džemal Bijedić" u Mostaru (University "Džemal Bijedić", Mostar), Bosnia and Herzegovina, 1979-1983.
Undergraduate Program in Economics and Business

TEACHING EXPERIENCE

School of Economics and Business (www.efsa.unsa.ba), University of Sarajevo

- 2000–2004: Assistant Professor
- 2004–2009: Associate Professor
- July 2009 – Present: Professor

Courses taught (in Bosnian):

- a) Undergraduate: Poslovna informatika, IT menadžment, Digitalna ekonomija, Operativni sistemi, IT alati za poslovne analize
- b) Graduate: Razvoj IS-a, Računarske mreže, Metodologija naučno-istraživačkog rada, Upravljanje kontinuitetom poslovanja

Courses taught (in English): Business Informatics, Information Technology, Information Technology Skills, Information Technology Management, Research Methods, Research and Professional Skills, Professional Development.

School of IT (www.fit.ba), University "Džemal Bijedić", Mostar, 1997-2011

Courses taught (in Bosnian):

- a) Undergraduate: Uvod u IT, Uvod u operativne sisteme, Server operativni sistemi
- b) Graduate: Poslovni informacijski sistemi, IT menadžment

International:

- Bogazici University (www.boun.edu.tr), Faculty of Engineering, Department of Industrial Engineering (www.ie.boun.edu.tr), Istanbul, Turkey

Courses taught:

- IE120 - Information Technologies for Industrial Engineers (1995-2002)
- IE495 - Information Technology Management (Summer Term: 2003-07, 2011-18)
- University of Zagreb, Faculty of Economics, lectures on Ba/Ma levels: 2008-2016
- University of Montenegro, Faculty of Economics, Metodologija NIR-a: 2009-2015
- University of Bologna, Faculty of Economics in Forli, Master-CESPEM (2006)

PUBLICATIONS

a) Authored/Edited Books

1. Bajgoric, N., **Continuous Computing Technologies for Enhancing Business Continuity**, Information Science Reference, IGI – Global, November 2008, ISBN: 978-1-60566-160-5
(<http://www.igi-global.com/Bookstore/TitleDetails.aspx?TitleId=204>)
(<https://www.amazon.com/Continuous-Computing-Technologies-Enhancing-Continuity/dp/1605661600/>)
2. Ibrahimović, S., Turulja, L., Bajgorić, N., **Maximizing Information System Availability Through Bayesian Belief Network Approaches**, 2017, ISBN-13: 978-1522522683
(<http://www.igi-global.com/book/maximizing-information-system-availability-through/173019>)
(<https://www.amazon.com/dp/1522522689>)
3. Bajgoric, N. (Editor), **Always-On Enterprise Information Systems for Business Continuance: Technologies for Reliable and Scalable Operations**, IGI - Global, 2009, ISBN: 978-1-60566-723-2
(<http://www.igi-global.com/Bookstore/TitleDetails.aspx?TitleId=66>)
(<http://www.amazon.com/Always-Enterprise-Information-Business-Continuance/dp/1605667234/>)
4. Bajgoric, N. (Editor), **Always-On Enterprise Information Systems for Modern Organizations**, IGI - Global, 2017, ISBN13: 9781522537045
(<https://www.igi-global.com/book/always-enterprise-information-systems-modern/181442>)
(<https://www.amazon.com/Enterprise-Information-Organizations-Advances-Analytics/dp/152253704X/>)

b) Book chapters

1. Bajgorić, N., **Business Continuity and E-Business: Towards an “Always-On” E-Business**, in Engemann, K.J. (Ed.) “Routledge Companion to Risk, Crisis and Security in Business”, Ch. 18, Taylor & Francis, 2018, ISBN: 9781138643109
2. Bajgoric, N. **Always-On Enterprise Information Systems: The Concept, Attributes and Implementation Drivers**, in: Bajgoric, N. (Ed.), **Always-On Enterprise Information Systems for Modern Organizations**, IGI-Global, 2017, ISBN10: 152253704X
3. Turulja, L., Bajgoric, N. **Business Continuity and Information Systems: A Systematic Literature Review**, in: Bajgoric, N. (Ed.), **Always-On Enterprise Information Systems for Modern Organizations**, IGI-Global, 2017, ISBN10: 152253704X
4. Spremic, M., Turulja, L., Bajgoric, N. **Two Approaches In Assessing Business Continuity Management Attitudes In The Organizational Context**, in: Bajgoric, N. (Ed.), **Always-On Enterprise Information Systems for Modern Organizations**, IGI-Global, 2017, ISBN10: 152253704X

5. Ibrahimovic, S., Bajgoric, N., **The role of information system monitoring in improving system availability**, in: Bajgoric, N. (Ed.), *Always-On Enterprise Information Systems for Modern Organizations*, IGI-Global, 2017, ISBN10: 152253704X
6. Turulja, L., Bajgoric, N., **Information Technology and Global Economy Perspective of Human Resources Management: A Literature Review**, in: Khosrow-Pour, M. (Ed), *Handbook of Research on Technology Adoption, Social Policy, and Global Integration*, IGI-Global, 2017, pp. 377-394
7. Bajgorić, N., **Always-On Enterprise Information Systems: From Conceptual Framework To Implementations**, in: Khosrow-Pour, M. (Ed), *Encyclopedia of Information Science and Technology*, IGI-Global, 2014, Ch. 439, pp. 4478-4490; ISBN: 978-1466658882
8. Bajgoric, N., **Business Continuity**, in: Toppi, H., and Tucker, A. (Eds), *Computing Handbook, Third Edition*, Taylor and Francis, 2014, Ch. 51, ISBN 978-1439898444
9. Bajgoric, N., **Continuous Computing Technologies for Mitigating IT-Related Business Risks**, in: Duman, E., Atiya, A.(eds), *Use of Risk Analysis in Computer-Aided Persuasion*, IOS Press, 2011, ISBN 978-1-60750-827-4, pp. 268-281
10. Bajgoric, N., **Operating Systems: A Business Perspective**, in: Wah, B.W. (Editor in Chief), *Wiley Encyclopedia Of Computer Science And Engineering*, Wiley, November, 2008, ISBN: 978-0471383932, pp. 2045-2059
11. Bajgoric, N., **Toward Always-On Enterprise Information Systems**, in: Gunasekaran, A. (ed), *Modeling and Analysis of Enterprise Information Systems - Advances in Enterprise Information Systems*, IGI-Global, 2007, ISBN: 978-1-59904-477-4, pp. 250-284
12. Bajgoric, N., **Toward Always-On Enterprise Information Systems**, in: Clarke, S. (ed), *End-User Computing: Concepts, Methodologies, Tools and Applications (4 Volumes)*, Information Science Reference, February 2008, ISBN: 978-1-59904, pp. 2401-2426
13. Bajgoric, N., **Information Technologies for Virtual Enterprises and Agile Management**, in: A. Gunasekaran (ed), *Agile Manufacturing: The 21st Century Competitive Strategy*, Elsevier Science, ISBN: 0-08-043567-X, 2001, pp. 397-417
14. Draman, M., Altinel, I.K., Bajgoric, N., Unal, A.T., Birgoren, B. **An Object-Oriented Optimization-based Software for Agile Manufacturing In Process Industries**, in: A. Gunasekaran (ed), *Agile Manufacturing: The 21st Century Competitive Strategy*, Elsevier Science, ISBN: 0-08-043567-X, 2001, pp. 265-279
15. Draman, M., Altinel, I.K., Bajgoric, N., Ünal, A.T., Birgören, B., **An Object-Oriented Graphical Modeler for Optimal Production Planning In a Refinery**, in: Laguna, M., Gonzalez Velarde, J.L. (eds), *Computing Tools for Modeling, Optimization and Simulation: Interfaces in Computer Science and Operations Research*, Kluwer Academic Publishers, ISBN: 0-7923-7718-4, 2000, pp. 263-278
16. Bajgoric, N., **Web-to-Host Connectivity Tools in Information Systems**, in: Guruge, A., Lindrgen, L. (eds), *Web-to-Host Connectivity*, CRC Press, 2000, ISBN: 978-0849308352, pp. 107-125
17. Bajgoric, N., **Web-to-Host Connectivity Tools in Information Systems**, in: Roxanne E. Burkey and Charles V. Breakfield (eds.), *Designing a Total Data Solution: Technology, Implementation, and Deployment*, Auerbach Publications, ISBN: 0849308933, 2001, (Chapter 34)
18. Bajgoric, N., **Web-to-Host Connectivity Tools in Information Systems**, in: Purba, S. (ed), *New Directions in Internet Management*, Auerbach Publications, ISBN: 0849311608, 2001
19. Bajgoric, N., **Decision Support Systems versus Expert Systems: The Systems Approach**, in: Jenkins, M.A., Siegle, H.S. (eds), *MIS and Organizations: An International Perspective*, Wm. C. Brown Publishers, 1990.

c) Articles in International Peer-Reviewed Journals

20. Turulja, L., Bajgorić. N., **Knowing Means Existing: Organizational Learning Dimensions and Knowledge Management Capability**, Business Systems Research, Vol. 9, No. 1, 2018, pp. 1-18
21. Turulja, L., Bajgorić. N., **Innovation, Firms' Performance And Environmental Turbulence: Is There A Moderator Or Mediator?**, European Journal of Innovation Management, June 2018
22. Turulja, L., Bajgorić. N., **Knowledge Acquisition, Knowledge Application and Innovation towards the Ability to Adapt to Change**, International Journal of Knowledge Management 14(2), 2018, pp. 1-15
23. Turulja, L., Bajgorić. N., **Information Technology, Knowledge Management and Human Resource Management: Investigating Mutual Interactions towards Better Organizational Performance**, VINE Journal of Information and Knowledge Management Systems, Vol. 48, Issue 2, pp. 255-276
24. Bajgorić, N., **Reengineering Business Information Systems To Support Business Continuity**, Int. Journal of Business Continuity and Risk Management, Vol. 8, No 1, 2018, pp. 11-35
25. Bajgoric, N., Moon, Y.B., **Business Model for Digital Economy Era: A Framework Based on the Churchman's Theory of Design Integrity**, International Journal of Business and Systems Research, Vol. 11, Issue 3, 2017, pp. 284-308, ISSN online: 1751-2018
26. Bajgorić, N., **Keeping E-Business in Business: Identifying The New Perspective of Server Operating Systems**, International Journal of Business Information Systems, Vol. 25, No. 3, pp. 406-426, 2017, ISSN: 1746-0972
27. Ibrahimović, S., Bajgorić. N., **Modeling Information System Availability by Using Bayesian Belief Network Approach**, Interdisciplinary Description of Complex Systems, 14(2), pp. 125-138, 2016, ISSN 1334-4676 (Online)
28. Turulja, L., Bajgorić. N., **Human Resources or Information Technology: What is More Important for the Firms in the Digital Era?**, Business Systems Research Journal, Vol. 7, No 1, 2016, pp. 35-45, 2016, ISSN: 1847-9375
29. Turulja, L., Bajgorić. N., **Innovation and IT Capability as Antecedents Of Firms' Success**, Interdisciplinary Description of Complex Systems, 14(2), 148-156, 2016, ISSN 1334-4676 (Online)
30. Bajgorić, N., **Operating Systems Course in a Business Information Systems Curriculum**, International Journal of Business Information Systems, Vol. 20, No 1, pp. 1-22, 2015, ISSN: 1746-0972
31. Bajgorić, N., **Business Continuity in E-business Era: Systemic Framework for Research Directions**, Int. Journal of Business Continuity and Risk Management, Vol. 5, No. 2, 2014, pp. 129-146, ISSN: 1758-2172
32. Bajgorić, N., **Business Continuity Management: A Systemic Framework for Implementation**, Kybernetes - The International Journal of Cybernetics, Systems and Management Sciences, Vol. 43, Issue 2, 2014, pp. 156-177, ISSN: 0368-492X
33. Spremić, M., Bajgorić, N., Turulja, L., **Implementation of IT governance standards and business continuity management in transition economies: The case of banking sector in Croatia and Bosnia-Herzegovina**, Ekonomska istraživanja – Economic Research, Vol. 26 (1), 2013, pp. 183-202, ISSN 1331-677X
34. Bajgoric, N., **System Administration For Business Continuity – The Case of HP-UX Operating System**, Int. Journal of Business Continuity and Risk Management, Vol. 3, No 1, 2012, pp. 19-40, ISSN 1758-2172
35. Bajgoric, N., **Server Operating Environment for Business Continuance: Framework for Selection**, Int. Journal of Business Continuity and Risk Management, Vol. 1, No. 4, 2010, pp. 317-338; ISSN 1758-2172

36. Bajgoric, N., Moon, Y.B., **Enhancing Systems Integration by Incorporating Business Continuity Drivers**, Industrial Management and Data Systems, Vol. 109, Issue 1, 2009, pp. 74-97 ; ISSN: 0263-5577
37. Bajgoric, N., **Information Technologies for Business Continuity: An Implementation Framework**, Information Management and Computer Security, Vol. 14/5, 2006, pp. 450-466, ISSN: 0968-5227
38. Bajgoric, N., **Information Systems for E-Business Continuance: A Systems Approach**, Kybernetes - The International Journal of Cybernetics, Systems and Management Sciences, Vol. 35, Issue 5, 2006, pp. 632-652, ISSN: 0368-492X
39. Bajgoric, N., **Continuous Computing Technologies For Improving Performances Of Enterprise Information Systems**, International Journal Of Enterprise Information Systems, Vol. 1, 4, 2005, pp. 70 – 89, ISSN: 1548-1115
40. Bajgoric, N., **ServerWare For Business Continuity**, International Journal Of Information Technology, Vol. 1, Number 3, 2004, pp. 161-165, ISSN:1305-239X
41. Bajgoric, N., **Information Technologies For Agile Management**, International Journal of Agile Manufacturing, ISSN:1536-2639,Vol.6, No.2, 2003, Special Issue: Towards Responsive Manufacturing and Supporting Technologies, pp. 23-39
42. Bajgoric, N., **Server Operating Systems For E-Business: Features and Functions**, Information Systems Management, ISBN: 10580530, Vol. 20, No 1, 2002, pp. 42-49
43. Bajgoric, N., Altinel, İ.K., Draman, M., Ünal, A.T., **Some Aspects of Using CASE Tools In A Fusion-based Application Development Project for Production Optimization**, Industrial Management and Data Systems, ISSN: 0263-5577, Vol. 102, No 8, 2002, pp.463-471
44. Unal, A. T., Draman, M., Altinel, I.K., Bajgoric, N., Geriskovan, A.I., **Clone-Based Modeling for Optimal Production Planning In Process Industries**, International Journal of Production Research, ISSN 0020-7543, Vol. 40,16, 2002, pp. 4041-4058
45. Draman, M., Altinel, I.K., Bajgoric, N., Ünal, A.T., Birgören, B., **A clone-based graphical modeler and mathematical model generator for optimal production planning in process industries**, European Journal of Operational Research, ISSN: 0377-2217, Vol. 137 (3), 2002, pp. 483-496,
46. Bajgoric, N., **Internet Technologies For Improving Data Access**, Information Systems Management Journal, ISBN: 10580530, Vol.18, 3, 2001, pp. 30-41
47. Bajgoric, N., **Web-based Information Access for Agile Management**, International Journal of Agile Management Systems - IJAMS 2/2, ISSN: 1465-4652, MCB University Press, 2000, pp. 121-130
48. Bajgoric, N., **Organizational Systems Integration: Management Information Systems Perspective**, The Journal of Enterprise Resource Management, APICS Australia, Vol. 1, 2000, pp. 32-40
49. Bajgoric, N., **Web-to-Host Connectivity Tools in Information Systems**, Systems Development Management, ISBN: 10967893, Auerbach Publications, 1999
50. Bajgoric, N., **Organizational Systems Integration: A Management Information Systems Perspective**, Journal of Concurrent Engineering, Vol.5, No 2, June 1997, ISSN: 1063293X, Technomic Publ. Co., pp. 113-121

d) Conference Articles

51. Turulja, L., Bajgorić, N., **Good Communication – The Antecedent Of Organizational Identification And Job Satisfaction**, ICES 2018, Sarajevo
52. Alagić, A., Turulja, L., Bajgorić, N., **IT Audit Quality Factors Identification In The Function Of Business Continuity: A Systematic Literature Review**, ICES 2018, Sarajevo

53. Turulja, L., Bajgoric, N., **Dimensions of IT capability and product innovation**, International Conference Knowledge and Business Challenge of Globalization in 2017, Celje, Slovenia, November 2017
54. Turulja, L., Bajgoric, N., **From Learning to Knowledge: Analysis of Relationships between These Organizational Processes**, Proceed. of ENTRENOVA'17, Dubrovnik, September, 2017, pp. 180-190
55. Turulja, L., Bajgoric, N., **The Analysis Of Relationships Between Environmental Turbulence, Innovation And Firms' Performance**, ICES2016, Sarajevo
56. Turulja, L., Bajgoric, N., **Information Technology Capability and Its Impact on Firms Performance**, Entrenova Conf., 2015, Kotor, Montenegro
57. Ibrahimović, S., Bajgoric, N., **An Approach to Modeling Information System Availability by Using Bayesian Belief Network**, Entrenova, 2015, Kotor, Montenegro
58. Turulja, L., Bajgoric, N., **The Impact Of IT On Learning And Leisure: The Case Of School Of Economics And Business In Sarajevo**, ICES2014, Sarajevo
59. Turulja, L., Bajgoric, N., **Being Prepared For Disaster? Implementation Of Business Continuity Planning Concept In B&H Companies**, ICES2012, Sarajevo
60. Bajgorić N., Spremić M., Turulja L., **Implementation of the IT Governance Standards Through Business Continuity Management: Cases from Croatia and Bosnia-Herzegovina**, ITI 2011, Cavtat, Croatia, ISSN 1330-1012, pp. 43-50
61. Bajgoric, N., **Continuous Computing Technologies For Mitigating IT-related Business Risks**, NATO Conference: Use of Risk Analysis In Computer-Aided Persuasion, Antalya, Turkey, 2011
62. Ibrahimović S., Bajgorić N. **The Role of Information Technology in Basel II Implementation Process**, ICES 2006, Sarajevo, 2006
63. Bajgorić, N., **Information Technologies For Agile Management**, ICRM-2002, (invited paper) 2nd International Conference on Responsive Manufacturing, Gaziantep, Turkey, June 2002
64. Bajgoric, N., Altinel, I.K., Draman, M., Unal, A.T., **Some Aspects of Using CASE Tools In A Fusion-based Application Development Project**, CASE 13, Opatija, 2001
65. Köseoğlu, D., Altinel, I.K., Draman, M., Ünal, A. T., Bajgoric, N., **Object-Oriented Development of A Decision Support Module For Parametric Anaysis Of Linear Programming**, XXI. National Meeting on Operational Research-Industrial Engineering, June 2000, Eastern Mediterranean University, Industrial Engineering, Department, Famagusta, TRNC (Cyprus)
66. Draman, M., Altinel, I.K., Bajgoric, N., Ünal, A.T., Birgören, B., **An Object-Oriented Graphical Modeler for Optimal Production Planning In a Refinery**, 7th INFORMS Computing Society Conference on OR and Computing Tools for the New Millennium, Cancún, México, January, 2000
67. Bajgoric, N, Altinel, I.K., Draman, M., Ünal, A.T, **An Integrated Application Development Framework for An Object-Oriented Optimization-based Production Planning Software**, 4th Annual International Conference on Industrial Engineering Applications and Practice, San Antonio, November 1999
68. Bajgoric, N, Altinel, I.K., Draman, M., Ünal, A.T., **Using Paradigm Plus Case Tool in a Fusion-based Application Development Project**, IEEE Conference TOOLS Asia99, Nanjing, China, 1999
69. Veledar, E., Bajgoric, N., **Evaluating Systems Integration Using Fuzzy Sets Theory**, 2nd Annual International Conference on Industrial Engineering Applications and Practice, November 12-15, 1997, San Diego, USA
70. Bajgoric, N., **Virtual Classroom Support Systems: A Systemic View**, 15th International System Dynamics Conference, August 19-22, 1997, Istanbul, Turkey

71. Bajgoric, N., **Information Systems Integration Management: A Contingency Approach**, 1st Annual International Conference on Industrial Engineering Applications and Practice, Houston, 1996
72. Bajgoric, N., **Systems Technology in Information Systems Integration**, ISAS '96 (International Conference on Information Systems Analysis and Synthesis), Orlando, 1996
73. Bajgoric, N., **Computer Integrated Management and Computer Literacy of Managers**, MS/OR Conference - YAEM '95, Middle East Technic University, Ankara, Turkey, 1995
74. Bajgoric, N., **Model for Integration of Information Systems: A Decision Support Perspective**, XIV IASTED International Conference: Modelling, Identification and Control, Innsbruck, Austria, 1995
75. Bajgoric, N., **An Approach to the Structuring of Integrated Decision Support Systems**, MS/OR Conference - YAEM '94, Bilkent Univ., Ankara, Turkey, 1994
76. Bajgoric, N., **Systems - Information Engineering Approach to the Integration of Decision System and Information System**, IEEE Illrd International Conference on Systems Integration - ICSI '94, Sao Paulo, Brazil, 1994
77. Bajgoric, N., **Toward Integrating Information Systems**, 13th International Conference "Information Technology Interface", Cavtat, Croatia, 1991.
78. Lojpur, A., Bajgoric, N., **Some Aspects of the Organizational Structure Effectiveness in the Conditions of Information Technology Development**, SYPRO, Warsaw, 1990.
79. Bajgoric, N., **Decision Support Systems versus Expert Systems: The Systems Approach**, Proceedings of International Conference "Organization and Information Systems, Bled, Slovenia, 1989.

e) Articles in-Bosnian (Conferences and Journals in B&H and ex-Yugoslavia)

1. Bajgorić, N., **Server operacijska okruženja u izgradnji informacijskih sistema za e-business**, CASE 14, Opatija, 2002.
2. Bajgorić, N., **Uredski informacijski sistemi i informacijska pismenost menadžera**, International Conference "Office Automation", Varaždin, 1993.
3. Bajgorić, N., **Okvir za informacijsku pismenost menadžera**, Ekonomski analitičar 6, Zagreb, 1993.
4. Bajgorić, N., **Sistemska model poslovnog sistema baziran na input-output pristupu**, Ekonomski analitičar 12, Zagreb, 1992.
5. Bajgorić, N., **Trendovi integracije informacijskog sistema i upravljanja poslovnim sistemom**, Ekonomski analitičar 4, Zagreb, 1991.
6. Savić, A., Bajgorić, N., **Savremene metodologije projektovanja informacijskih sistema**, Praksa 2, Beograd, 1990.
7. Bajgorić, N., Lojpur, A., **Automatizacija uredskog poslovanja i efikasnost funkcioniranja poslovnog sistema**, Conference "Office Information Systems", Varaždin, 1990.
8. Krsmanović, S., Bajgorić, N., Savić, A., **Informacijski sistemi za podršku odlučivanju i savremeni ured**, EISS, Neum, 1990.
9. Bajgorić, N., **Sistemi za podršku odlučivanju i automatizacija uredskog poslovanja**, Conference "Office Information Systems", Varaždin, 1989.
10. Topolovec, V., Bajgorić, N., **Inteligentni informacijski sistemi za podršku odlučivanju**, Proceedings of the Faculty for Organization and Informatics, Varaždin, 1989.
11. Bajgorić, N., Lojpur, A., Veleđar, E., **Neki aspekti primjene koncepta DSS-a u poslovnom odlučivanju**, XVII Conference of Information Systems, Novi Sad, 1989.

12. Bajgorić, N., Savić, A., **Umjetna inteligencija i razvoj informacijskih sistema**, XVII Conference of Information Systems, Novi Sad, 1989.
13. Bajgorić, N., Lojpur, A., **Sistemi za podršku odlučivanju - mogućnosti i primjena**, EISS, Neum, 1989.
14. Bajgorić, N., Savić, A., **Razvoj i osnovne karakteristike metodoloških pristupa projektovanju informacijskih sistema**, Conference EISS, Neum, 1989.
15. Bajgorić, N., **Sistemi za podršku odlučivanju versus ekspertni sistemi**, Sistemi delta 7, Ljubljana, 1989.
16. Bajgorić, N., **Komponente sistema za podršku odlučivanju**, Ekonomski analitičar 2, Zagreb, 1989.
17. Bajgorić, N., **Analiza glavnih komponenti**, Bilten Univerziteta "Džemal Bijedić" 21, Mostar, 1988.
18. Bajgorić, N., **O primjeni matematičkih metoda i modela u poslovnom odlučivanju**, Planiranje i analiza poslovanja, Beograd, 1988.
19. Bajgorić, N., Maksumić, H., **Prikaz metodologije informacijskog inženjerstva**, EISS, Neum, 1988.
20. Bajgorić, N., **Modeliranje kao osnova savremenog softvera za podršku odlučivanju**, EISS, Neum, 1988.
21. Bajgorić, N., **Inteligentni sistemi za podršku odlučivanju**, Praksa 2, Beograd, 1988.
22. Bajgorić, N., **Sistem za podršku odlučivanju kao osnova integralnog informacijskog sistema**, Ekonomski analitičar 5, Zagreb, 1988.
23. Topolovec, V., Bajgorić, N., **Razvoj sistema za podršku odlučivanju**, EISS, Mostar, 1986.
24. Bajgorić, N., **Komparativni prikaz metodologija SDM-ISAC**, EISS, Mostar, 1986.

f) Books in Bosnian (BiH and ex-Yu)

1. Bajgorić, N., Turulja, L., **Menadžment informacijskih tehnologija**, knjiga-udžbenik, Izdavač: Ekonomski fakultet u Sarajevu, treće izdanje, 2018, ISBN 978-9958-25-133-7
2. Bajgorić, N., **Menadžment informacijskih tehnologija**, knjiga-udžbenik, Izdavač: Ekonomski fakultet u Sarajevu, 2007, 2012, ISBN: 978-9958-605-98-7
3. Bajgorić, N., Somun-Kapetanović, R., **Uvod u metodologiju NIR-a**, Ekonomski fakultet u Sarajevu, 2012.
4. Bajgorić, N., **Informacijska tehnologija**, knjiga-udžbenik, Izdavač: Univerzitetska knjiga Mostar, ISBN – 9958-603-02-09, 1999, 2003, 2006.
5. Bajgorić, N., **Operativni sistemi – Uvod u OS**, knjiga – udžbenik, Izdavač: Univerzitetska knjiga Mostar, ISBN – 9958-603-07-01, 2008.
6. Bajgorić, N., **Operativni sistemi – Server OS**, knjiga – udžbenik, Izdavač: Univerzitetska knjiga Mostar, ISBN – 9958-603-07-02, 2004.
7. Bajgorić, N., **Operativni sistemi**, knjiga – udžbenik, Izdavač: Univerzitetska knjiga Mostar, 2000, ISBN – 9958-603-07-01
8. Grupa autora: **Microsoft office aplikacije u poslovanju**, EFSA, 2004, ISBN 9958-605-60-0
9. Grupa autora: **Uvod u praktično korištenje personalnog kompjutera**, EFSA, 2004, ISBN 9958-605-59-7
10. Bajgorić, N., **Računarske komunikacije u poslovnom kompjutingu**, Izdavač: Ekonomski fakultet u Sarajevu, 2003.
11. Savić, A., Bajgorić, N., **Zbirka zadataka iz informatike sa osnovama teorije**, zbirka zadataka, Savremena administracija, Beograd, ISBN – 86-387-0223-X, 1991.

RESEARCH REPORTS

1. Altinel, I.K., Bajgoric, N., Birgoren, B., Draman, M., An Object Oriented Decision Support System For Production Planning In A Petroleum Refinery, Research paper, FBE-IE-07/95-13, Bogazici University, Istanbul, Turkey, 1995
2. Draman, M., Birgoren, B., Altinel, I.K., Bajgoric, N., Object Oriented Design And Implementation Of A Visually Interactive Decision Support System For Modeling And Optimization Of Process Industries, Research paper, FBE-IE-01/96-01, Bogazici University, Istanbul, Turkey, 1996
3. Draman, M., Altinel, I.K., Bajgoric, N., Unal, A.T., N., Birgoren, B., An Object-Oriented Optimization-Based Software For Agile Manufacturing In Process Industries, Research paper, FBE-IE-08/2000-08, Bogazici University, Istanbul, Turkey, 2000
4. Bajgoric, N., Information Technologis For Virtual Enterprise And Agile Management, Research paper, FBE-IE-07/2000-07, Bogazici University, Istanbul, Turkey, 2000
5. Draman, M., Unal, A.T., Altinel, I.K., Bajgoric, N., Geriskovan, A.I., Clone-Based Modeling For Optimal Production Planning In Process Industries, Research paper, FBE-IE-01/2001-01, Bogazici University, Istanbul, Turkey, 2001

SEMINARS – PRESENTATIONS:

1. Seminar EP – Istanbul, Turkey: Office Applications in Business, 1997
2. Seminar EP – Istanbul, Turkey: Effective Reporting and IT-TQM Perspective, 1997
3. Seminar EP – Istanbul, Turkey: Information Technology for Managers - DS and TQM Perspective, 1998
4. Seminar EP – Istanbul, Turkey: Implementation of the Quality System and ISO 9000 Certification Project, 1999
5. Seminar EP – Istanbul, Turkey: ERP-SAP Project, 2001
6. Informacijske tehnologije u izgradnji edukacijske infrastrukture u BiH, Forum Bosna, 2004.
7. Informacijske tehnologije u savremenom poslovanju - Izbor odgovarajuće IT platforme, SEED Sarajevo, Banja Luka, 2005
8. Nove tehnologije: IT-bazirana rješenja u funkciji podizanja konkurentskih prednosti BH-privrede, Forum Bosna, 2005.
9. Curriculum Restructuring to Fit Bologna, EFMD Conference, Madrid. April 2005
10. ECTS Implementation at Sarajevo University Case of the School of Economics and Business - Lessons Learned and Best Practices from Fall Semester 2005/06, UNSA Savjetovanje, 2006
11. Postojeći modeli upravljanja kvalitetom u EHEA, EFSA, 2007
12. Informacione tehnologije u sistemu osiguranja kvaliteta, EFSA, 2007
13. Preparing for the EFMD/EQUIS Accreditation Process, EFSA, 2007
14. Primjena informacijskih tehnologija u finansijsko-računovodstvenom izvještavanju, FEB, Neum, 2007
15. Informacijske tehnologije i primjene, Profesionalna šema certifikacije računovođa i revizora BiH, 2007-2014
16. Informacijske tehnologije i primjena u savremenom poslovanju, Kontinuirana edukacija računovođa, EFSA PA, 2007

17. Implementacija ECTS-koncepta studija na UNSA i EFSA, Forum Bosna, Mostar, UDŽB, Januar 2007
18. Quality Assurance Through the Process of ECTS Implementation and Program Accreditation: Case of the School of Economics and Business, University of Sarajevo, UNSA Savjetovanje, 2007
19. Budući koraci i zadaci u provodjenju Bolonjskog koncepta studija, UNSA Savjetovanje, 2008
20. Primjena IT u finansijsko-računovodstvenom izvještavanju i auditingu, FEB i Udruženje internih revizora, Brela, april 2008
21. Značaj OS platformi u savremenom poslovanju, 3. Zenica Linux Seminar, 2006

REVIEWING (ACADEMIC JOURNALS); REVIEWER FOR:

- Kybernetes - The international journal of cybernetics, systems and management sciences (Emerald)
 - Industrial Management & Data Systems (Emerald)
 - Information Technology & People (Emerald)
 - Management Research Review (Emerald)
 - International Journal of Production Economics (Elsevier)
 - Production and Operations Management (Wiley)
 - European Journal of Information Systems (Springer)
 - International Journal of Management Science and Engineering Management (Taylor & Francis)
 - International Journal of Management & Enterprise Development (Inderscience)
 - Encyclopedia of Information Science and Technology (IGI-Global)
 - SAGE Journals (SAGE)
 - Business Systems Research
 - Zagreb International Review of Economics and Business
 - Managing Global Transitions: International Research Journal
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FIELDS OF INTERESTS

Business Continuity, Business Computing, Information Technology Management, Enterprise Information Systems, Server Operating Platforms

LANGUAGES

Bosnian	– native
English	– very good
Turkish	– good
French	– basic

IT SKILLS/EXPERIENCE

- Programming Languages/Application Development Tools: C, C++, C++ Builder, HP Softbench, Motif, UIM/X (1996-2001)
 - Operating Systems (System and Network Administration): HP-UX, SGI IRIX, Digital Ultrix, SunOS, Ultrix, OpenVMS, Linux, Windows NT, MacOS. Network Services: TCP/IP, NFS/NIS, PC-TCP, MacTCP, Novel NetWare, NetWare-Windows NT migration, PC-Mac, PC-Unix, Mac-Unix, Samba, PC/X, LAN/WAN (1993-2001).
 - CASE Tools: Paradigm Plus, Rational ROSE (1997-2001)
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IT/IS – PROJECTS

1. 2004-2007: Information System of the University of Sarajevo: Network Infrastructure, Online Registrar Application, Library Information System (Project Coordinator), University of Sarajevo. Online registrar application in use from 2005 (www.iss.ba).
 2. 2008: Business Continuity Drivers For Always-On Enterprise Information Systems, FMON
 3. 2003: Continuous Computing Solutions For E-Business Continuity, Istr. projekat MONKS
 4. 2003: Serverware-Based Continuous Computing Technologies For E-Business, FMON
 5. 1993-2001: System and Network Administration (System and Network Administrator), Bogazici University, Department of Industrial Engineering, Istanbul, Turkey. Administered OS-platforms: Windows 3.x, Windows 9x, Windows NT, MacOS, HP-UX, Ultrix, SunOS, IRIX, OpenVMS, LAN/WAN/Internet Infrastructure, CourseWare.
 6. 1997-2001: Application Development – A Prototype of an Interactive Modeler - Decision Support System for Production Planning in A Petroleum Refinery (Member of the Team), project sponsored by HP (Fusion method, Object-Oriented Approach, Paradigm Plus/Rational Rose CASE tools, HP SoftBench/Motif, Borland C++ Builder), Bogazici University, Department of Industrial Engineering, Istanbul, Turkey.
 7. 1996-2002 (IT Consulting): System and Network Administration, System Management, System Integration, Internet-WWW-Intranet platforms, BPR/TQM projects, ERP projects for the companies: Probel CM-Istanbul, Erensan-Istanbul, Enka Marketing-Istanbul.
 8. Kompjuterizacija RO “Rudnik i TE Gacko”, Idejni projekat (IS Analysis and Design), Ekonomski fakultet, Mostar, 1985.
 9. Kompjuterizacija RO “Hepok Čapljina”, Idejni projekat (IS Analysis and Design), Ekonomski fakultet, Mostar, 1987.
 10. Kompjuterizacija RO “Regionalni medicinski centar u osnivanju Mostar”, Idejni projekat (IS Analysis and Design), Ekonomski fakultet, Mostar, 1989.
 11. Kompjuterizacija RO “Oslobodjenje Sarajevo”, Idejni projekat (IS Analysis and Design), Ekonomski fakultet, Sarajevo, 1990.
 12. Kompjuterizacija RO “Lasta Čapljina”, Idejni projekat (IS Analysis and Design), 1991.
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OTHER PROJECTS (HE)

1. ECTS-Bologna Curriculum Reform (2005-2008): Design and Implementation of the ECTS-based Curriculum (Ba/Ma/PhD) at the School of Economics and Business, Sarajevo University (Project Coordinator, ECTS Coordinator).
2. The third cycle Bologna-based doctoral program (Bajgorić, N., Čulahović, B., Domadenik, P., Windsperger, J.), EFSA, September 2009, ISBN 978-9958-25-026-2
3. Joint Double-Diploma Master Program with Faculty of Economics Ljubljana, Economics and Management of Public Sector and Environment (Bajgorić, N., Čulahović, B., Hrovatin, N., Ngomai, S., Guichard, J.P., Redžepagić, S., Tajnikar, M., Zorić, J.), EFSA, September 2009, ISBN: 978-9958-25-027-9
4. Joint Double-Diploma Bachelor Program with GCD (Bajgorić, N., Čulahović, B., O'Brien, L., Fitzpatrick, S.), 2008/2009

5. ECTS-informacijski paket: (katalog predmeta). Knj. 1, Dodiplomski studij, priređivači Nijaz Bajgorić, Vanja Kenjić, EFSA, 2006, ISBN 978-9958-25-005-7
6. ECTS - information package: (course catalogue). Vol. 1, Undergraduate program / [prepared by Nijaz Bajgorić, Vanja Kenjić, EFSA, 2006, ISBN 9958-605-82-1
7. ECTS - informacijski paket: (katalog predmeta). Knj. 2, Drugi (II) ciklus studija - Master/Magistarski studij, priredili: Nenad Brkić, Rabija Somun-Kapetanović, Nijaz Bajgorić, Vanja Kenjić, Anesa Vilić, EFSA, 2008, ISBN 978-9958-25-013-2

Accreditation Projects:

1. AQA - Accreditation Project - AQA (Austrian Agency for Quality Assurance in Higher Education), School of Economics and Business in Sarajevo: "Studies, Teaching and Further Education" (AQA – Focus Audit), Project Coordinator.
2. EFMD-EPAS Accreditation Project (2007-2011), School of Economics and Business in Sarajevo, Creation of initial application and accreditation documents.
3. AACSB Accreditation Project (2008-2011), School of Economics and Business in Sarajevo, Creation of initial application and accreditation documents.

PhD Theses Supervised:

Completed:

1. Mladen Radivojević, "Metodologija za implementaciju koncepta *e-Governmenta* u reformi javne uprave u Bosni i Hercegovini", Fakultet informacijskih tehnologija, Univerzitet „Džemal Bijedić“, Mostar, 05.07.2005.
2. Haris Memić, "Kompjuterski podržan asinhroni kooperativni rad", Fakultet informacijskih tehnologija, Univerzitet „Džemal Bijedić“, Mostar, 13.04.2010.
3. Semir Ibrahimović: "Optimizacija ulaganja u raspoloživost IT infrastrukture korištenjem Bayesian belief networks modela", 22.02.2016.
4. Lejla Turulja, Uticaj znanja, tehnologije i inovativnosti na uspjeh kompanije u „Novoj ekonomiji“: empirijska analiza na primjeru Bosne i Hercegovine“, 22.04.2016.
5. Masoud Garallah M. Al Quhtani: Integrated Model of Corporate Information Security in Developing Countries (Co-supervisor with M. Pejić-Bach), 13.11.2017.

In-Progress:

1. Aida Akagić-Hodžić, Utjecaj IT-a na razvoj savremenih kompetencija kod zaposlenika u promjenjivom radnom okruženju“
2. Amer Čeljo "Technology Acceptance Model (TAM) Based Approach To Adoption And Use Of Integrated Business Information Systems" (Co-supervisor with M. Pejić-Bach)

MSc/MA Theses Supervised:

Completed:

1. Aner Žuljević, Ekonomski aspekti kontinuiteta serverskih platformi, EFSA, 2005.
2. Semir Ibrahimovic, Uticaj "Novog sporazuma o kapitalu " (Basel II) na informacijski sistem banke, EFSA, 2006
3. Haris Memić, Open-source server-side dinamičke web tehnologije za Apache web server, FIT Mostar, 2006
4. Damir Omerašević, Sigurnost računarskih mreža u elektronskom poslovanju: Prijedlog metodologije implementacije za e-firmu, EFSA, 2006
5. Armin Bajramovic, Internet bankarstvo – SEB metoda implementacije u Hypo Alpe-Adria-Bank Hrvatska, EFSA, 2006
6. Amir Karačić, Analiza faktora za uspješnu implementaciju informacijskih tehnologija u malim i srednjim firmama, EFSA, 2007

7. Jasmin Azemović, Komparativna analiza metoda za forenzičku analizu, detektovanje prevara i falsifikovanih podataka unutar db sistema, FIT Mostar, 2007
8. Enes Kalajac, Metodologija uspostavljanja elektronske državne administracije u Bosni i Hercegovini – eUprava BiH, EFSA, 2008
9. Buzadžija Nevzudin, Prilog istraživanja efikasnosti e-learning sistema u nastavi Informatike u srednjem obrazovanju, FIT Mostar, 2008
10. Hamidović Haris, Modeli primjene tehnologije digitalnih potpisa, FIT Mostar, 2009
11. Hrnčić Zlatan, Prijedlog metodologije implementacije informacionog sistema za podršku transparentnog praćenja nastavnog procesa u osnovnim školama, EFSA, 2011
12. Lejla Turulja, Primjena koncepta upravljanja kontinuitetom poslovanja u Bosni i Hercegovini – komparativna analiza na primjeru finansijskog sektora, EFSA, 2011
13. Handžić Asmir, Primjena cost benefit analize u ocjeni primjenjivosti WAN tehnologija za poslovne banke, FIT Mostar, 2011
14. Šabić Adem, odbranjen, Kontekstualno svjesni sistemi preporuke u oblasti elektronskog poslovanja, FIT Mostar, 2012
15. Ismar Hadžiosmanović, Upravljanje informacijskim resursima na primjeru lokalne zajednice u Bosni i Hercegovini, EFSA, 2012
16. Fejzić Dževad, Metodološki okvir implementacije backup rješenja u lokalnim zajednicama, EFSA, 2012
17. Lejla Kalajdžić Panjeta, Aspekti implementacije SAP-SD modula u funkciji jačanja kompetitivnosti firme, na primjeru JP Elektroprivrede BiH d.d. Sarajevo, EFSA, 2012
18. Hiba Mehinović, E-business platforma na tržištu kapitala u F BiH- prijedlozi za poboljšanje, EFSA, 2013
19. Jažić Faruk, Uloga Project Management Officea (PMO) u informatičkim projektima, EFSA, 2013
20. Enver Delić, Uspostavljanje državnog CERT-a kao osnove za efikasno upravljanje zaštitom kritične informacione infrastrukture, EFSA, 2013
21. Aida Pajević, Internet bankarstvo: analiza primjene na primjeru UniCredit Bank dd Mostar, EFSA, 2014
22. Adnan Akagić, Analiza produktivnosti SAP ERP konsultanata, EFSA, 2014
23. Aida Kreho Somun: Primjena Disaster Recovery rješenja u bankarskom sektoru, EFSA, 2014
24. Belmir Agić, GIS – podrška u upravljanju infrastrukturnim projektima u javnoj upravi, EFSA, 2014
25. Jasmina Džiko: Analiza mehanizama elektronskog plaćanja – case study: Raiffeisen Bank BiH, EFSA, 2014
26. Smajević Faruk, Utjecaj primjene informacionih tehnologija na unapređenje konkurentskih prednosti osiguravajućih društava, EFSA, 2014
27. Karalić Maida: Aspekti primjene COGNOS Business Intelligence sistema u poslovanju: Case Hypo Alpe-Adria-Leasing“
28. Enes Hadžić, Specifičnosti primjene lokacijski baziranih usluga telekom operatora u Bosni i Hercegovini, EFSA, 2014
29. Haris Tanjo: „Primjena Web 2.0 alata u industriji turizma Bosne i Hercegovine“, 2015
30. Borovina Dino: "Implementacija i razvoj Machine-to-Machine tehnologije u okviru M2M laboratorije i KAMS platforme Dioničkog društva BH Telecom Sarajevo“, 2015
31. Samir Nuhbegović: Virtualni valuta „Bitcoin“ – analiza i globalne implikcije, 2015
32. Berina Nezirević, "Uvođenje wireless mreža u poslovna okruženja agilnim projekt menadžmentom", 2015
33. Sead Selimbegović (SIM) „cost-benefit analiza prelaska na cloud computing bazirano disaster recovery rješenje“, 2015
34. Mirnes Salčin: Rizici u e-bankarstvu i mjere zaštite, 2015
35. Slobodan Tubin: Cloud Computing tehnologije – mogućnosti primjene u energetskim kompanijama, 2015
36. Erna Gec: „aspekti implementacije ERP sistema u hotelijerstvu“, 2016

37. Nisad Česko: Trendovi razvoja mobilnog ureda i njegova uloga u savremenom poslovanju“, 2016
38. Džana Bunjo, "Cloud computing u poslovanju unutar BiH: stanje i perspektive", 2016
39. Emir Huremović, "Implementacija e-uprave u općinama: praktični aspekti ", 2016
40. Meliha Herenda, Agilne metodologije vođenja IT projekata kao unaprijeđenje u odnosu na standardne metodologije, 2016
41. Raspudić Vesna, Upravljanje tokovima znanja u funkciji uvećanja vrijednosti kompanije primjenom napredne poslovne analitike, 2016
42. Ermin Panjeta, "Unapređenje poslovanja i povećanje konkurentnosti primjenom ITIL-a na primjeru IMS (Issue management system) platforme u kompaniji", 2017
43. Handžić Aldin, Analiza zastoja informacionog sistema: osnovne prijetnje, posljedice i faktori, 2017
44. Amela, Mulaosmanovic, implementacija SAP-a u distributivnim centrima“
45. Melina Komić: „Aspekti metodološkog upravljanje IT projektima“ Case Study: PRINCE2 metodologija“
46. Dijana Kaleb, „Analiza mogućeg utjecaja implementacije elektronske uprave u Bosni i Hercegovini na poslovanja pošte kao ovjeritelja digitalnih certifikata“.

Book Reviews:

a) Univerzitetski udžbenici/Textbooks:

1. Brano Markić, Poslovna informatika, HKD Napredak, Mostar, 2002
2. Brano Markić, D. Tomić, Uvod u algoritme i strukture podataka, Ekonomski fakultet, SVE-Mo, 2008
3. Haris Šupić, Algoritmi i strukture podataka, UNSA, 2010
4. Brano Markić, Sustavi potpore odlučivanju i poslovna inteligencija, 2014
5. Savo Stupar, Inteligentno odlučivanje, EFSA, 2013
6. Aida Habul, Analiza poslovnih sistema, EFSA, 2015
7. Aida Habul, Analiza poslovnih procesa, EFSA, 2015
8. Srebren Dizdar, Oblici i umijeća akademskog pisanja, Univ. Press, Sarajevo 2015
9. Mario Spremić, Sigurnost i revizija informacijskih sustava u okruženju digitalne ekonomije, Ekonomski fakultet Zagrebe, 2017
10. Mario Spremić, Enterprise Information Systems and Digital Economy, EFZG, 2017

b) Knjige/Books:

11. Haris Hamidović, Zašto propadaju IT-projekti, Tuzla, 2005
12. Vladica Babić, Kompjuterski kriminal, Rabic, Sarajevo, 2009
13. Mirsad Hadžimehić, Sigurnost informacija, Sarajevo, 2014
14. Samir Nuhbegović, Virtuelne kriptovalute i blockchain protocol, 2018

ADMINISTRATIVE EXPERIENCE

(SCHOOL OF ECONOMICS AND BUSINESS IN SARAJEVO, UNIVERSITY OF SARAJEVO)

- Vice Dean for Academics (Sept. 2008 – December 2009)
- Head of PhD Program (2010-2016)
- Head of Intl. Office (2004-2005)
- ECTS – Coordinator (2005-2008)
- Accreditations Coordinator (2005-2008)
- AQA Accreditation Coordinator (2009-2012)