

CURRICULUM VITAE

NENAD STEFANOVIC, PhD

Personal details:

Name:	Mr. Nenad Stefanovic, PhD	
Address:	Gradimira Mladenovica 16 34000 KRAGUJEVAC	
Date of birth:	26 th January 1976.	
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Education:

1982-1990	-	Primary school, "Vuk Karadzic" diploma for the best results. Participated in contests in Mathematics, Physics and Computer Science.
1985-1990	-	School of English Language
1990-1994	-	Secondary school, Grammar school, Participated in City contest in Computer Science
1994-2000	-	Faculty of Mechanical Engineering in Kragujevac, Group for Production Engineering
2000-2003	-	School of English Language - the Higher Cambridge Course and Proficiency Course
2000-2002	-	Postgraduate studies at Faculty of Mechanical Engineering in Kragujevac.
2003	-	Certification of Accreditation for Vocational Training of Adults – Certified Trainer, Eurecna, CAN Veneto International Services
2003	-	Master of Science degree in Technical Sciences (First Mater thesis in SCM in Serbia). Master thesis: "Supply Chain Management Information System Design in Internet Environment"
2007	-	The 1000 Young Serbian Leaders Programme – People's Office of the President of Serbia – Industry Team Leader
2008	-	PhD Thesis – "Development of the Business Intelligence Model in Adaptive E-Business (B2B) Networks" – Faculty of Organizational Sciences, University of Belgrade

Work experience:

2001 - 2002	-	CIM Centre, Faculty of Mechanical Engineering, Kragujevac, Serbia. Position: Research Assistant Jobs: Working on different information system projects.
2003	-	Central military information system (during regular military service). My responsibilities were: business process modeling and database design using UML (Rational Rose), database administration, network administration, and web portal design.
2003, 2004 - 2010	-	Information Systems Division and Research Institute for Automobiles, Zastava Automobiles, Kragujevac, Serbia. Positions: Software architect, Chief System Engineer, Software Project Manager, Research Advisor. Working with MS SQL Server 2000/2005, MS ISA Server 2006, MS Windows 2003 Server, ASP.NET, XML., SharePoint, E-mail, etc.
2008	-	Teaching Assistant (course: Information Systems), Technical Faculty of Cacak, University of Kragujevac.
2008	-	Teaching Assistant (course: Operating Systems), Faculty of Science, Department of Mathematics and Informatics, University of Kragujevac.
2010 - 2011	-	ICT Operation Manager & Architectures, Project Manager, Fiat Automobili Serbia.
2009 - present	-	Professor, Faculty of Science, Department of Mathematics and Informatics, University of Kragujevac Courses: Information Systems I, Information Systems II (ERP), Electronic Business, Project Management, Business Intelligence.
2012 – present	-	Professor, Technical Faculty, Cacak, University of Kragujevac Courses: Web Technologies, Information and Communication Technologies, Multimedia Systems.
From 2013	-	Professor, Doctorial studies, Faculty of Organisational Sciences, University of Belgrade Module: Information Systems and Management

Title: PhD in Technical Sciences (Domain: Organizational Sciences – Business Intelligence, Internet Technologies, Supply Chain Management)

Position: Assistant Professor

Research Title: T1 Category (highest) and Distinguished Young Researcher (according to the Serbian Ministry of Science); Innovator status in Zastava Automobiles, Inc.

Languages:

English (excellent)

German (beginner)

Research interest:

- Supply Chain Business Intelligence;
- Data Mining applications;
- Electronic Business;
- Performance management;
- Process modelling;
- Supply chain simulation;
- Enterprise Information Portals;
- Project management;

Working Skills:

- Supply Chain Management;
- Business Intelligence;
- Information Systems Development;
- Internet and Web Technologies;
- Quality Management and Process Improvement;
- Software Engineering;
- Project Management;
- Web Services, SOA, BPM;
- UML, RUP, MDA CASE Tools;
- Object-Oriented Analysis and Design;
- Database Modeling, Design, and Administration;
- Business process simulation;
- Network Administration and Design.

Software tools:

- Databases: MS SQL Server, MySQL, Oracle;
- IDE: Microsoft Visual Studio, NetBeans;
- Office: MS Office (Access, Excel, Front Page, Outlook, Power Point, Word, Visio, Project), Open Office;
- Business Intelligence: MS SQL Server Analysis Services, MS SQL Server Reporting Services, Pentaho Suite;
- E-Business: MS Commerce Server, VirtueMart, osCommerce, Zen Cart, Magento;
- Application Integration: MS BizTalk Server;
- Virtualization – MS Hyper-V, VMWare ESXi Server
- Security: MS ISA Server, various routers/firewalls;
- Operating Systems: Windows Server Family, Linux;
- Modeling: Rational Products, Enterprise Architect, Microsoft Visio, BpWin, ErWin, Tibco;
- Web Portals: SharePoint Server, Joomla, Drupal, WordPress, Alfresco, Liferay;
- ERP software: MS Dynamics NAV, SAP R3, APO, BW, SugarCRM.
- XML Technologies and Tools;
- Web Design: Microsoft Expression Suite, Corel Suite, Adobe CS;
- Statistics (SPSS, Minitab);
- Project Management – Microsoft Project, Project Server;
- Simulation: Extend.

References (selected projects):

- Information System Project for “Zastava Tools”;
- Information System Project for “Zastava Metal”;
- Information System Project for “Mehanizacija i Programat”;
- Spare Parts Catalogue for “Zastava Trucks”;
- Migrating existing ASP website into PHP for French insurance company “SollyAzar”;
- Design of the several web presentations;
- Central military information system (during regular military service). My responsibilities were: business process modelling and database design using UML (Rational Rose), database administration, Windows domain administration, and web portal design;
- Integrated technologies and information reengineering for new/improved products of the innovated company, 2002-2003 (project financed by Serbian Ministry of Science, Technology and Development);
- Design, implementation and maintenance of the “Zastava Automobili” complete network server software infrastructure (Windows Active Directory, MS SQL Server, Web server-IIS, ISA Server-firewall).
- E-business web portal design for “Zastava Automobili” based on Windows Share Point Services and ASP.NET (elected by Serbian Society for Informatics iwithn top 5 solutions in the Management domain);
- Specialized Web portal template for project management;
- Web based information system for Maintenance Department - “Zastava Automobili”;
- E-business web portals for “Zastava Auto” - web reporting, document exchange (with FIAT), collaboration;
- Many procedures related to software engineering, quality management, etc.
- www.zastava-automobili.com - official website of “Zastava Automobili”;
- Zastava Elektro, Raca – Installation, configuration and maintenance of the Microsoft Small Business Server network.
- Development of the Intelligent Environment in Support for Information Systems Design and implementation (project financed by Serbian Ministry of Science and Technological Development, MNTR-13029, 2008-2010).
- Modelling activities and requirements elicitation for payroll management and accounting (for Fiat Auto).
- Member of the New Car Project Team, Fiat Automobili Serbia.
- e-Vetland – Information system for veterinary practice.
- Web information system for Public administration of cultural heritage (cultural monuments) preservation, Kragujevac.
- Web information system and web portal of Serbian lakes and reservoirs (SeLaR).
- Web site design (www.vetland.rs; www.tamnjanika.com, www.koptr.com, etc.)
- Intelligent Systems for Software Product Development and Business Support based on Models (project financed by Serbian Ministry of Science and Technological Development, III-44010, 2011-2015).

MEMBERSHIP IN PROFESSIONAL BODIES:

- International Federation for Information Processing - IFIP – National Representative (Voting member) in:
 - TC2 - Software Theory and Practice
 - TC12 - Artificial Intelligence (Vice-Chair).
- Serbian United Association for Quality (YUSQ) – President of the YUSQ Committee for Software Quality (2004-2007).
- Serbian member of MESA (Association of manufacturers/producers, solution providers and industry professionals).
- MIT Supply Chain 2020 Research Community Member.
- Member of the JISA (Serbian Information Society).
- Member of the Network of Excellence for Innovative Production Machines and Systems (I*PROMS) - funded under the EU Sixth Framework Programme; IPROMS Conference Reviewer.
- iBusiness Journal (Thompson ISI indexed) – Editorial Board Member
- International Journal of Computing and Application – Co-Editor in Chief (2010).
- Reviewing (short list):
 - Journal of Intelligent Manufacturing (Springer) – Thompson ISI
 - African Journal of Business Management
 - INDIN 2009 - 7th IEEE International Conference on Industrial Informatics – Reviewer.
 - IPROMS 2007, 2008 conference reviewer
 - iBusiness Journal
 - International Conference on Information Technology (ICIT), Jordan

Papers published in scientific journals, conferences and books:

1. Stefanović D., Stefanović N., *Application of Simulation for Distribution Systems Testing*, YUINFO 2001 CONFERENCE, Kopaonik 2001;
2. Stefanović D., Stefanović N., *Software Package for Projection and Managing of Distribution Systems*, YUPMA 2001 CONFERENCE, Zlatibor 2001;
3. Arsovski Z., Stefanović M., Stefanović N., *Integration of Marketing and Technical Function in Internet/Intranet environment*, 27th JUPITER CONFERENCE, Belgrade 2001;
4. Stefanović N., Arsovski Z., Stefanović D., *Software Quality Assurance*, Quality Magazine, YUSQ, 2001;
5. Stefanović N., Stefanović D., Arsovski Z., *Wireless Application Protocol (WAP)*, JISA INFO Magazine, June 2002;
6. Stefanović N., Stefanović D., Arsovski S., *M-Commerce - The New Way of Doing Business*, 6th Balkan Conference on Operational Research, Thessaloniki, Greece, 22-25 May, 2002;
7. Stefanović N., Stefanović D., Arsovski S., *Simulation of Inventory Management Continuous Systems*, JUPITER CONFERENCE, Belgrade, 12-14 February, 2002;
8. Stefanović N., Stefanović D., *Wireless Application Protocol and Application for Distribution Systems*, YUINFO CONFERENCE, Kopaonik 2002;
9. Stefanović D., Arsovski S., Stefanović N., *Simulation of Inward Transport in Production System*, YUINFO CONFERENCE, Kopaonik 2002;
10. Arsovski S., Arsovski Z., Djurović D., Stefanovic N., *Design and Implementation of Quality Management System Under Financial Constraints*, IAMOT, The 11th International Conference on Management of Technology, Miami, USA, 2002;
11. Stefanović D., Stefanović N., *Logistic Information System of Vehicle Spare Parts Supply Chain*, INFOTECH Conference, Vrnjacka Banja, 2002;

12. Stefanović N., Stefanović D., *Designing WAP Solutions and Applications*, INFOTECH Conference, Vrnjacka Banja, 2002;
13. Stefanović N., Stefanović D., Arsovski S., *Inventory Planning and Management in Supply Chains*, 29th Consulting of Yugoslav Production Engineering, LOLA Institute, 19-20 September, 2002;
14. Stefanović N., Stefanović D., Arsovski S., *Information Technology in a Supply Chain*, 29th Consulting of Yugoslav Production Engineering, LOLA Institute, 19-20 September, 2002;
15. Arsovski S., Stefanović N., *Strategic Aspect of Spare Parts Inventory Management Modeling and Simulation*, Maintenance Conference – KOD 2002, Herceg Novi, Montenegro, October 2002,
16. Stefanović N., Stefanović D., Arsovski S., *Design Of Information System For Supply Chain Management In Internet Environment*, XII Science Conference of Industrial Systems – IS 2002, Vrnjacka Banja, November 2002.
17. Stefanović N., Stefanović D., Arsovski S., *Information Support for Supply Chain Management*, XXIX JUPITER CONFERENCE, Belgrade, 11-13 February, 2003;
18. Stefanović N., Stefanović D., Arsovski S., *Supply Chain Integration Through E-business*, YUINFO CONFERENCE, Kopaonik, 10-14 March, 2003;
19. Stefanović N., Arsovski S., Stefanović D., *Supply Chain Management in Digital Factory*, The 36th CIRP International Seminar On Manufacturing Systems, Saarland University, Saarbrücken, Germany, June 03'05, 2003.
20. Stefanović N., *Quality Aspect of Supply Chain Management*, Second International Conference – TQM – Advanced and Intelligent Approach, Kragujevac May 2003. (Also published in International Science Journal "Total Quality Management")
21. Stefanović N., Stefanović D., *E-Quality in Supply Chains*, 30th National Quality Conference – Business Excellence-Key for Transition, Kragujevac, May 2003.
22. Stefanović N., Stefanović D., Arsovski S., *Modeling and Simulation of Supply Chains*, JISA INFO - Journal of Serbian Informatics Society, Vol 05, 2004.
23. Stefanović N., Stefanović D., Živulović M., *Supply Chain Management in Automotive Industry*, YUINFO CONFERENCE, Kopaonik, 10-14 March, 2004;
24. Stefanović N., Stefanović D., *Supply Chain Management in Automotive Industry – Issues, Methodology and Solution*, 11th International CIRP Life Cycle Engineering Seminar, June 22-24, 2004, Belgrade, Serbia and Montenegro.
25. Stefanović N., Stefanović D., *Framework for SCM Evaluation*, European Week of the Quality, JUSK, Belgrade 8-10 December 2004.
26. Stefanović N., Stefanović D., Živulović M., *Methodology for Managing Software Requirements*, YUINFO Conference, 7-11 Mart, 2005.
27. Stefanović D., Majstorović V., Stefanović N., *Methodology for Process Integration in Supply Networks*, 38th CIRP Manufacturing Systems Seminar, Brazil, May 16-18, 2005.
28. Majstorović V., Stefanović N., *Six Sigma – The Methodology for Achieving Total Business Excellence*, 7th International Conference on Advanced Manufacturing Systems and Technology, Udine, Italy, 9-10 June 2005.
29. Stefanovic N., Majstorovic V., Stefanovic D., *Research and Development of the Digital Quality Model in Supply Chains*, 3rd International Working Conference "Total Quality Management – Advanced And Intelligent Approaches" (keynote paper), Belgrade, 30 May - 02 June, 2005.
30. Stefanović N., *Software Quality – Standards and Techniques*, 32th YUSQ National Quality Conference – Toward Integrated Management Systems, Special Conference – IT Quality Management Systems (keynote paper), Beograd, 23-27 May, 2005.
31. D. Stefanovic, V. Majstorovic, N. Stefanovic, *Developed Methodology for Process Integration in Supply Networks*, ICQ'05 Tokyo, Japan, 2005.
32. Stefanovic N., Majstorovic V., Stefanovic D., *Supply Chain Business Intelligence*, 2nd International Conference on Manufacturing Engineering-ICMEN, Greece, 2005.
33. Stefanovic N., Majstorovic V., Stefanovic D., *Supply Chain Business Process Management*, YUQS European Week of Quality, Novi Sad, SCG, December 2005.

34. Stefanović N., Stefanović D., Živulović M., Internet/intranet Enterprise Information Portal, YUINFO Conference, Kopaonik, Serbia, 2006.
35. Stefanović D., Stefanović N., Supply Chain Management Simulation Model Development, YUINFO, Kopaonik, 2006.
36. Nenad Stefanovic, Dusan Stefanovic, *Software Quality Engineering, Total Quality Management & Excellence*, Vol.34, No. 1-2, 2006.
37. Dusan Stefanovic, Nenad Stefanovic, Verification and Validation of UML 2.0 Diagrams, Total Quality Management & Excellence, Vol.34, No. 1-2, 2006.
38. Stefanovic N., Majstorovic V., Stefanovic D., Supply Chain Business Intelligence Model, 13th CIRP International Conference on Life Cycle Engineering, Lueven, Belgium, 2006.
39. Stefanović N., Stefanović D., Živulović M., The Unified Framework for Software Project Management, Management Journal, Vol. 43, 2006.
40. Stefanovic N., Stefanovic D., Majstorovic V., Methodology for BPM in Supply Networks, 5th CIRP International Seminar in Intelligent Computation in Manufacturing Engineering, Italy, 2006.
41. Stefanovic N., Majstorovic V., Stefanovic D., Supply Chain Excellence - Improvement Using the SCOR Model, International Journal "Total Quality Management & Excellence", Vol. 34, No. 3 - 4, 2006, YUSQ EQW 2006.
42. Stefanovic N., Stefanovic D., An Approach To Supply Network Business Process Management Based On Service-Oriented Architecture And Web Portals, Journal of Information Technology and Multimedia Systems – InfoM, Vol 19, 2006.
43. Stefanovic N., Majstorovic V., Stefanovic D., Research And Development Of Supply Chain Business Intelligence Model, International Journal "Total Quality Management & Excellence", Vol. 34, No. 3 - 4, 2006, YUSQ EQW 2006.
44. Stefanović N., Stefanović D., Business Intelligence Model in Distributed B2B Supply Networks, YUINFO Conference, Kopaonik, Serbia, 2007.
45. Stefanović N., Radenkovic B., Stefanović D., Designing OLAP Multidimensional Systems For Supply Chain Management, International Journal of Pure and Applied Mathematics, IJPAM, ISSN 1311-8080, 2007.
46. Stefanovic N., Stefanovic D., Zivulovic M., Data Warehouse Project Management, 11th International Symposium in Project Management, Serbia and Montenegro, 9-11 May, 2007.
47. Stefanović N., Radenkovic B., Stefanović D., *Supply Chain Intelligence*, I*PROMS, In: *Intelligent Production Machines and Systems*, Whittles Publishing, 2007. ISBN 978-1904445-52-4.
Also presented at the IPROMS 2007 -3rd Virtual Conference, I*PROMS Network of Excellence on Innovative Production Machines and Systems, 2-13 July, 2007.
48. Stefanović N., Stefanović D., Radenkovic B., 2008, *Application of Data Mining for Supply Chain Inventory Forecasting*, in *Applications and Innovations in Intelligent Systems XV*, Eds. Richard Ellis, Tony Allen and Miltos Petridis, Springer London, pp. 175-188. ISBN 978-1-84800-085-8.
Also presented at the Twenty-seventh SGA1 International Conference on Artificial Intelligence, Cambridge, England, December 2007.
49. Methodology for Modeling and Analysis of Supply Networks, Journal of Intelligent Manufacturing, ISSN 0956-5515, Springer, 2008, 19:485-503.
50. N. Stefanovic, B. Radenkovic, D. Stefanovic, Data Mining Inventory Prediction Model, YUINFO Conference, 9-12 March, Kopaonik, Serbia, 2008.
51. Stefanović N., Stefanović D., New Approach To Software Engineering Using Software Factories And Domain-Specific Modeling, International Journal of Pure and Applied Mathematics, IJPAM, ISSN 1311-8080 (paper accepted).
52. Stefanovic D., Stefanovic N., Sales Forecasting Data Mining Model Based On Time-Series Algorithm, International Journal of Pure and Applied Mathematics, IJPAM, ISSN 1311-8080, (paper accepted).

53. Stefanovic, N., Stefanovic, D. and Mistic, M., 2008, *Application of Business Intelligence for Business Process Management*, in IFIP International Federation for Information Processing, Volume 276; *Artificial Intelligence in Theory and Practice II*; Max Bramer; (Boston: Springer), pp. 445-459. ISBN 978-0-387-09694-0.
54. N. Stefanovic, D. Stefanovic, 2009, *Supply Chain Business Intelligence – Technologies, Issues and Trends*, IFIP State of the Art Series; Lecture Notes in Computer Science; *Artificial Intelligence: An International Perspective*, Max Bramer (Ed.), Springer-Verlag, pp. 217-245. ISBN: 978-3-642-03225-7. (Invited Chapter)
55. N. Stefanovic, D. Stefanovic, Data Warehouse Development in B2B Networks, YUINFO Conference, 8-11 March, Kopaonik, Serbia, 2009.
56. Stefanovic N., Stefanovic D., Supply Chain Performance Measurement System Based on Scorecards and Web Portals, The 4th International Conference on Information Technology (ICIT), Amman, Jordan, 3-5 June, 2009. (Selected as one of the best papers)
57. N. Stefanovic, B. Radenkovic, D. Stefanovic, Development of Business Intelligence Systems in B2B Networks, Journal of Information Technology and Multimedia Systems – InfoM, str. 41-50, Vol 29, 2009.
58. D. Stefanovic, N. Stefanovic, B. Radenkovic, *Supply network modelling and simulation methodology*, Simulation Modelling Practice and Theory, Volume 17, Issue 4, April 2009, Pages 743-766, Elsevier.
59. N. Stefanović, D. Stefanović, Data Warehouse Modeling for B2B Processes, YUINFO Conference, 3.3.2010 - 6.3.2010, Kopaonik, Serbia, 2010.
60. Stefanovic N., Stefanovic D., *Supply Chain Performance Measurement System Based on Scorecards and Web Portals*, Computer Science and Information Systems, 2011, 8(1), pp. 167-192.
61. N. Stefanovic, D. Stefanovic, B. Radenkovic, 2011, *Integrated Supply Chain Intelligence through Collaborative Planning, Analytics and Monitoring*, In *Electronic Supply Network Coordination in Intelligent and Dynamic Environment: Modeling and Implementation*. Mohhebi Shima, Iraj Mahdavi & Prof. Namjae Cho (Eds.), IGI Global, pp. 43-92 (Invited Chapter).
62. N. Stefanovic, D. Stefanovic, 2011, *SCM 3.0 - Reshaping Supply Chains With the Next Generation Web*, In *Supply-Chain Management: Theories, Activities/Functions and Problems*. Regina M. Samson (Ed), Nova Publishers, pp. 313-333, ISBN: 978-1-61668-284-2 (Invited Chapter).
63. N. Stefanović, D. Stefanović, Model of Service-Oriented BI Systems In B2B Networks, YUINFO Conference, 29.02 - 3.03.2012, Kopaonik, Serbia, 2012.
64. N. Stefanovic, D. Stefanovic, Supply Chain Planning Model Based On Business Intelligence, 2nd International Conference on Information Society Technology, ICIST 2012, 29.02 - 3.03.2012, Kopaonik, Serbia, 2012.
65. I. Radojevic, D. Stefanovic, Lj. Comic, A. Ostojic, M. Topuzovic, N. Stefanovic, Total coliforms and data mining as a tool in water quality monitoring, African Journal of Microbiology Research, Vol. 6, 2012.
66. N. Stefanovic, D. Stefanovic, B. Arsovic, 2013, Adaptivity in E-Learning LMS Platform, Revista Metalurgia International, 18(2).
67. N. Stefanovic, D. Stefanovic, 2013, Integrated and interactive software solution for knowledge-based supply network design, Computer Systems Science & Engineering, 28(1).
68. N. Stefanovic, 2013, Designing OLAP Multidimensional Systems for Supply Chain Management, Revista Metalurgia International, 18(3).
69. N. Stefanovic, M. Mistic, 2013, Quality Model for Supply Chain Excellence, Revista Metalurgia International, 18(4).
70. M. Djokic, N. Stefanovic, Application of Semantic Web in Tourism Information Systems, 3rd International Conference on Information Society Technology, Association for Information systems and Computer networks, 03.03.2013-06.03.2013, Kopaonik, Serbia, 2013, pp. 130-135.
71. N. Stefanovic, D. Stefanovic, 2013, Integrated and interactive software solution for knowledge-based supply network design, Computer Systems Science & Engineering, 28(1), pp. 5-23.

72. B. Arsic, M. Djokic, N. Stefanovic, Mapping ebXML standards to ontology, 4th International Conference on Information Society Technology, ICIST, 9.3.2014 - 13.3.2014, Kopaonik, Serbia, 2014.
73. N. Stefanovic, Supply Chain Planning Model Based On Business Intelligene, 4th International Conference on Information Society Technology, ICIST, 9.3.2014 - 13.3.2014, Kopaonik, Serbia, 2014.