
Matjaz B. Juric

Matjaz B. Juric holds a Ph.D. in computer and information science. He is Full Professor at the University of Ljubljana, Faculty of Computer and Information Science. He is the head of Laboratory for Integration of Information Systems and the head of the SOA and Cloud Computing Competence Centre. Matjaz is Java Champion, IBM Champion and Oracle ACE Director. He has more than 20 years of work experience. He has authored/coauthored Design Principles for Process-driven Architectures, Do More with SOA Integration, WS-BPEL 2.0 for SOA Composite Applications, Oracle Fusion Middleware Patterns, Business Process Driven SOA using BPMN and BPEL, Business Process Execution Language for Web Services (English and French editions), BPEL Cookbook: Best Practices for SOA-based integration and composite applications development (award for best SOA book in 2007 by SOA World Journal), SOA Approach to Integration, Professional J2EE EAI, Professional EJB, J2EE Design Patterns Applied, and .NET Serialization Handbook. He has published chapters in More Java Gems (Cambridge University Press) and in Technology Supporting Business Solutions (Nova Science Publishers). He has also published in journals and magazines, such as SOA World Journal, Web Services Journal, Java Developer's Journal, Java Report, Java World, eai Journal, theserverside.com, OTN, ACM journals, and presented at conferences such as OOPSLA, Java Development, XML Europe, OOW, SCI, and others. He is a reviewer, program committee member, and conference organizer. Matjaz has been involved in several large-scale projects. He has been consultant for several large companies on SOA projects, such as Kneip Communications, EDS, HP, Elektro Slovenia, Telekom, Mobitel, Informatika, Ministry of Finance, Postal Bank of Slovenia, Abanka, Akrapovic d.d., etc. In cooperation with IBM Java Technology Centre, he worked on performance analysis and optimization of RMI-IIOP, integral part of the Java platform. Matjaz is also a member of the SOA and BPEL Advisory Boards. Recently, Matjaz has received Java Duke's Choice Award for best Java innovation.

Education

1996 – 1999	Doctor of Science (Ph. D.) in Computer and Information Sciences Obtained from University of Maribor
1991 – 1995	B. Sc. (Dipl. Ing.) in Computer and Information Sciences Obtained from University of Maribor

Languages

English: Good knowledge

German: Good knowledge
Croatian: Good knowledge
Serbian: Good knowledge
Slovenian: Native language

Certificates

Java Champion
Oracle ACE Director
IBM Champion



Awards

Best SOA Book award in 2007 (awarded by SOA World Journal in New York) - BPEL Cookbook: Best Practices for SOA-based Integration and Composite Applications Development, Packt Publishing, 2006
Telecommunications and Media & Entertainment Award for best SOA project, IBM IMPACT 2009
International award for best Software Services scientific article in journals with high impact factor, SPERS, 2010
Best researcher, according to the industry, University of Maribor, 2010
Gold medal for outstanding merits in the scientific and education development, University of Ljubljana, 2013
Java Duke's Choice Award, Java Innovation, Oracle, 2015

Present Position

Full Professor
Cloud Computing and SOA Competency Centre head

Technical Skills

Digital Transformation, Digital Economy, API Economy, API Management
Software Architectures, Information systems architectures, Integration and interoperability
Cloud Computing, IaaS, PaaS, SaaS, Cloud integration, provisioning, migration, annotations, metering and charging
Integration, BPM, Business process modelling, business process management, BPMN, process optimization
Internet of things, IoT, Internet of Everything, integration, Fast Data, Big Data
Event Driven Architectures, Complex Event Processing, Stream Processing
Business Activity Monitoring, Activity Based Costing
SOA, BPMN, BPEL, BPEL4People, ESB, R&R, BAM, BRMS (Rules Engine), Identity Management, Design patterns, UML, SOA governance
Java, Java EE, .NET, C#, J#, C++, C, VB.NET, JSF, ADF, JSP, Servlets, XML, AJAX,

XSD, WSDL, SOAP, XPath, XSLT, XQuery
IBM WebSphere, Oracle BPA, Oracle BPM, Oracle SOA, ARIS, Microsoft
Oracle DBMS, SQL Server, My SQL, MariaDB
Big Data, data analysis,
Windows, Linux

Project References

Selected project references/companies – international:

- Österreichische Socialversicherung, Austria
- Cybergrid, Austria
- Ebcont, Austria
- Kneip Communication, Luxembourg
- EDS, Belgium
- Everis, Chile
- Chile Government (funded by World Bank)

Selected project references/companies – domestic:

- Akrapovič d.d.
- Akrapovič Kreativa d.o.o.
- Abanka d.d.
- Adriatic Slovenica d.d.
- Poštna banka Slovenije d.d.
- Informatika d.d.
- Ministrstvo za javno upravo
- Ministrstvo za pravosodje
- Telekom Slovenije
- Mobitel d.d.
- Etol d.d.
- FJA OdaTeam
- Elektro Maribor
- Elektro Gorenjska
- Elektro Celje
- Elektro Primorska
- Elektro Ljubljana
- Informatika d.d.
- IskraTel
- Poštna banka Slovenije d.d.
- RRC IRC d.d. Celje
- SRC.SI Ljubljana

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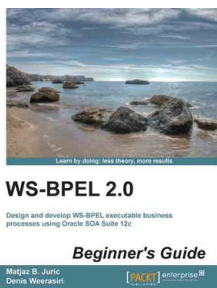
Author of articles Author of more than 500 professional and scientific IT articles in journals such as SOA Web Services Journal, Java Developer's

	Journal, Java Report, Java World, eai Journal, theserverside.com, OTN, ACM journals, etc., and on conferences.
Professor	Full professor
Membership	Member of SOA Advisory Board Member of BPEL Advisory Board Member of Oasis BPM Focus Area
Reviewer	Reviewer for John Wiley & Sons Reviewer for Wrox Press Reviewer for Packt Publishing Reviewer for Information and Software Technology Journal Reviewer for Performance Evaluation Journal Reviewer for Journal of Systems and Software Reviewer for Journal of Systemics, Cybernetics and Informatics Reviewer for International Journal of Distance Education Technologies Reviewer for research programs for Ministry of Education, Science and Sport
Program committee member	IEEE CEC, IRMA, SCI, IASTED SEA, CCCT, ASM, IBIM, PDCN, IJCEC, ISPDC, SPICE
Investor committee member	Member of national committee for evaluation of entrepreneur ideas in the field of high technologies Chair of national innovation committee

Books



[Design Principles for Process-driven Architectures](#)



[WS-BPEL 2.0 Beginner's Guide](#)



[Do more with SOA Integration](#)



[WS-BPEL 2.0 for SOA Composite Applications with IBM WebSphere 7.0](#)



[WS-BPEL 2.0 for SOA Composite Applications with Oracle SOA Suite 11g](#)



[Oracle Fusion Middleware Patterns](#)



[Business Process Driven SOA using BPMN and BPEL](#)



[SOA Approach to Integration](#)



[BPEL Cookbook - Best Practices for SOA-based integration and composite applications development](#)

Award for best SOA book:

<http://www.packtpub.com/article/bpel-cookbook-wins-best-soa-web-services-book-award>



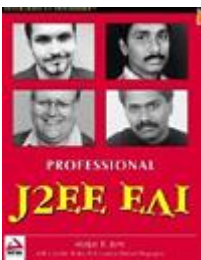
[Business Process Execution Language for Web Services, 2nd edition](#)



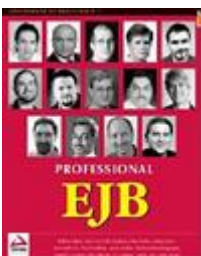
[BPEL pour les services web : Deuxième Edition](#)



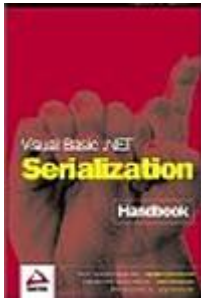
[J2EE Design Patterns Applied](#)



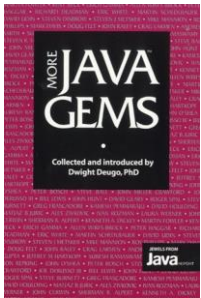
[Professional J2EE EAI](#)



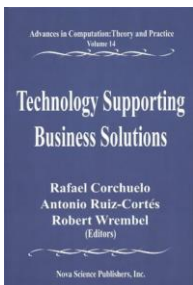
[Professional EJB](#)



[VB.NET Serialization Handbook](#)



[More Java Gems](#)



[Technology Supporting Business Solutions](#)

Selected Articles

1.01 Original scientific article

1. Eva Zupančič, Matjaž B. Jurič, "TACO : a novel method for trust rating subjectivity elimination based on Trust Attitudes COmparison", *Electronic commerce research*, vol. 15, no. 2, str. 207-241, 2015, <http://link.springer.com/article/10.1007/s10660-015-9182-7>, doi: [10.1007/s10660-015-9182-7](https://doi.org/10.1007/s10660-015-9182-7). [COBISS.SI-ID [1536297667](#)]
2. Sebastijan Šprager, Matjaž B. Jurič, "An efficient HOS-based gait authentication of accelerometer data", *IEEE transactions on information forensics and security*, vol. 10, no. 7, str. 1486-1498, Jul. 2015, <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=7065314&queryText%3Dan+efficient+hos+based+gait+authentication+of+accelerometer+data>, doi: [10.1109/TIFS.2015.2415753](https://doi.org/10.1109/TIFS.2015.2415753). [COBISS.SI-ID [1536253635](#)]
3. Katja Cetinski, Matjaž B. Jurič, "AME-WPC : advanced model for efficient workload prediction in the cloud", *J. netw. comput. appl.*, vol. 55, str. 191-201, Sep. 2015, <http://www.sciencedirect.com/science/article/pii/S1084804515001241>, doi: [10.1016/j.jnca.2015.06.001](https://doi.org/10.1016/j.jnca.2015.06.001). [COBISS.SI-ID [1536396227](#)]
4. Rok Povše, Matjaž B. Jurič, "Model za integracijo, migracijo in varnostno kopiranje aplikacij SaaS prek skupnega podatkovnega modela", *Elektrotehniški vestnik*, letn. 81, št. 3, str. 81-85, 2014, <http://ev.fe.uni-lj.si/3-2014/Povse.pdf>. [COBISS.SI-ID [10676564](#)]
5. Martin Potočnik, Matjaž B. Jurič, "Towards complex event aware services as part of SOA", *IEEE transactions serv. comput.*, vol. 7, no. 3, str. 486-500, 2014, <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6461877>, doi: [10.1109/SC.2014.2661877](https://doi.org/10.1109/SC.2014.2661877)

[10.1109/TSC.2013.7](#). [COBISS.SI-ID [9754196](#)]

6. Matej Hertiš, Matjaž B. Jurič, "An empirical analysis of business process execution language usage", *IEEE trans. softw. eng.*, vol. 40, no. 8, str. 738-757, Aug. 2014, <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6812231>. [COBISS.SI-ID [10747732](#)]

7. Andrej Kocbek, Matjaž B. Jurič, "Towards a reusable fault handling in WS-BPEL", *Int. j. softw. eng. knowl. eng.*, vol. 24, no. 2, str. 243-267, Mar. 2014, doi: [10.1142/S0218194014500107](#). [COBISS.SI-ID [10676308](#)]

8. Maja Pušnik, Katja Harej, Marjan Heričko, Matjaž B. Jurič, Boštjan Šumak, "Investigation of developer's perceptions in XML schema development using textual and visual tool types", *Int. j. softw. eng. knowl. eng.*, vol. 24, no. 3, str. 445-463, 2014, doi: [10.1142/S021819401450017X](#). [COBISS.SI-ID [17996566](#)]

9. Aleš Frece, Matjaž B. Jurič, "Complete and reusable description of message structural constraints in web service interfaces", *Comput. stand. interfaces*, vol. 35, no. 2, str. 218-230, Feb. 2013, <http://www.sciencedirect.com/science/article/pii/S0920548912000943>. [COBISS.SI-ID [9410900](#)]

10. Jurij Laznik, Matjaž B. Jurič, "Context aware exception handling in business process execution language", *Inf. softw. technol.*, vol. 55, no. 10, str. 1751-1766, Oct. 2013, <http://www.sciencedirect.com/science/article/pii/S0950584913000840>, doi: [10.1016/j.infsof.2013.04.001](#). [COBISS.SI-ID [9956436](#)]

11. Gregor Srdić, Matjaž B. Jurič, "Model for integrated monitoring of BPEL business processes", *International journal of cooperative information systems*, vol. 22, no. 2, str. 1-29, June 2013. [COBISS.SI-ID [10318164](#)]

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17. Marcel Križevnik, Matjaž B. Jurič, "Upravljanje matičnih podatkov kot osnova pri vpeljavi storitveno usmerjene arhitekture", *Uporab. inform. (Ljubl.)*, letn. 19, št. 1, str. 5-14, jan.-feb.-mar. 2011. [COBISS.SI-ID [8341332](#)]

18. Robert Dukarić, Matjaž B. Jurič, "Migracija obstoječih aplikacij na platforme za računalništvo v oblaku", *Uporab. inform. (Ljubl.)*, letn. 19, št. 3, str. 136-146, jul.-avg.-sep. 2011. [COBISS.SI-ID [8724820](#)]

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23. Aleš Frece, Matjaž B. Jurič, "Arhitekturni model za učinkovito spremljanje izvajanja poslovnih procesov v SOA", *Uporab. inform. (Ljublj.)*, letn. 18, št. 2, str. 73-81, apr., maj, jun. 2010. [COBISS.SI-ID [14229270](#)]

24. Andrej Bregar, József Györkös, Matjaž B. Jurič, "Robustness and visualization of decision models", *Informatika (Ljublj.)*, vol. 33, no. 3, str. 385-395, 2009, http://www.informatika.si/PDF/33-3/16_A.Bregar%20-%20Robustness%20and%20Visualization%20of%20Decision%20M.pdf. [COBISS.SI-ID [63917057](#)]

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26. Matjaž B. Jurič, Ana Šaša Bastinos, Boštjan Brumen, Ivan Rozman, "WSDL and UDDI extensions for version support in web services", *J. syst. softw.*, vol. 82, iss. 8, str. 1326-1343, 2009. [COBISS.SI-ID [13371158](#)]

27. Marcel Križevnik, Matjaž B. Jurič, "Modeliranje in izvajanje poslovnih procesov v storitveno orientiranih arhitekturah", *Uporab. inform. (Ljublj.)*, letn. 17, št. 3, str. 137-147, 2009. [COBISS.SI-ID [13843734](#)]

28. Ana Šaša Bastinos, Matjaž B. Jurič, Marjan Krisper, "Service-oriented framework for human task support and automation", *IEEE transactions on industrial informatics*, vol. 4, issue 4, str. 292-302, Nov. 2008, <http://ieeexplore.ieee.org/xpl/tocresult.jsp?isYear=2008&isnumber=4753889&Submit32=Go+To+Issue>, doi: [10.1109/TII.2008.2008641](https://doi.org/10.1109/TII.2008.2008641). [COBISS.SI-ID [6883924](#)]

29. Andrej Bregar, József Györkös, Matjaž B. Jurič, "Interactive aggregation/disaggregation dichotomic sorting procedure for group decision analysis based on the threshold model", *Informatika (Vilnius)*, vol. 19, no. 2, str. 161-190, 2008. [COBISS.SI-ID [12279318](#)]

30. Simon Kocbek, Matjaž B. Jurič, "Vpliv varnostnih mehanizmov na povezljivost spletnih storitev", *Elektrotehniški vestnik*, vol. 74, no. 3, str. 113-118, 2007. [COBISS.SI-ID [11527958](#)]

31. Boštjan Brumen, Matjaž B. Jurič, Tatjana Welzer-Družovec, Ivan Rozman, Hannu Jaakkola, Apostolos N. Papadopoulos, "Assessment of classification models with small amounts of data", *Informatika (Vilnius)*, vol. 18, no. 3, str. 343-362, 2007. [COBISS.SI-ID [11983638](#)]

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- poslovanju", *Uporab. inform. (Ljublj.)*, letn. 14, št. 3, str. 134-141, jul., avg., sep. 2006. [COBISS.SI-ID [10758934](#)]
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- 39.** Simon Beloglavec, Marjan Heričko, Matjaž B. Jurič, Ivan Rozman, "Analysis of the limitations of multiple client handling in a Java server environment", *SIGPLAN not.*, vol. 40, no 4, str. 20-28, April 2005. [COBISS.SI-ID [9672982](#)]
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- 41.** Ivan Rozman, Matjaž B. Jurič, Marjan Heričko, Ivan Vezočnik, Marjan Krisper, "Improving mobile operator information system efficiency through EAI", *Int. j. inf. technol. manag.*, vol. 3, no. 2/3/4, str. 315-332, 2004. [COBISS.SI-ID [9091606](#)]
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