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Education

Doctor of Philosophy (Business Administration – Management Science and Information Systems),
August, 1998, The University of Texas at Austin

Master of Business Administration, 1994
Grand Valley State University, Allendale, Michigan

Bachelor of Science (Electrical Engineering / Computer Science), 1991
The University of Zagreb, School of Electrical Engineering, Zagreb, Croatia

List of Publications

Journal Articles

Nestorov, Svetlozar, Nenad Jukić, Abhishek Sharma and Boris Jukić, Data Analytics Repository
Solutions: Data Warehouses, Data Lakes, and the Spectrum In-Between, *Business Intelligence Journal*,
Vol 25, No 1, pp 10-24, June 2020

Nestorov, Svetlozar , Boris Jukić, Nenad Jukić, Abhishek Sharma, Sippo Rossi, “Generating insights
through data preparation, visualization, and analysis: Framework for combining clustering and data
visualization techniques for low-cardinality sequential data” *Decision Support Systems*
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Jukić, Nenad, Boris Jukić, Abhishek Sharma, Svetlozar Nestorov, Benjamin Korallus Arnold, Expediting
analytical databases with columnar approach, *Decision Support Systems*, March 2017
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Jukić, Nenad , Abhishek Sharma, Svetlozar Nestorov and Boris Jukić, Augmenting Data Warehouses
with Big Data, *Information Systems Management*, 2015, Vol. 32 , Issue 3, pp 200-209

Jukić Boris, Nenad Jukić, and Svetlozar Nestorov, “Process and Data Logic Integration: Logical Links
between UML Use Case Narratives and ER Diagrams”, *Journal of Computing and Information
Technology*, 2013, Volume 21, Issue 3, pp. 161-170

Jukic, Boris and Nenad Jukic, “Modeling-Centered Data Warehousing Learning – Methods, Concepts
and Resources”, *International Journal of Business Intelligence Research*, 2012, Volume 3, Issue 4, pp.
74-95

Jukic, Boris, Nenad Jukic and Dawn Harris, “Feasibility Frontier – A Method for Aligning Competitive
Strategy with the Choice of IT Architectures”, *Journal of Organizational Computing and Electronic
Commerce*, Spring 2011, Volume 21, Issue 2, pp 158-179

Jukic, Nenad and Boris Jukic, "Bridging the Knowledge Gap between Transactional Databases and Data Warehouses", *Journal of Computing and Information Technology*, June 2010, Volume 2, pp. 175-181

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Jukic, Boris and Nenad Jukic "Information System Planning and Decision Making Framework: A Case Study", *Information Systems Management*, Winter 2010; Volume 27, Issue 1; pp. 61 - 71

Hsu, Vernon N., Susan H. Xu, and Boris Jukic "Optimal Scheduling and Incentive Compatible Pricing for a Service System with Quality of Service Guarantees", *MSOM-Manufacturing & Service Operations Management*, Summer 2009; 11, pp. 375 - 396

Jukic, Boris, David A. Kravitz, Nenad Jukic, Amanuel Tekleab, Laurie Meamber and Anthony Dashnaw "Multi-Level Information Presentation Strategy and Customer Reaction: An Empirical Investigation in an On-Line Setting", 2009, *Journal of Organizational Computing and Electronic Commerce*, Volume 19, Issue 3, pp. 173 - 195

Jukic, Boris, Nenad Jukic and Miguel Velasco "Enterprise Information Systems Change, Adaptation and Adoption: A Qualitative Study and Conceptual Framework", *Information Resource Management Journal*, Jan-Mar 2009. Volume 22, Issue 1, pp. 63 -88

Jukic, Boris, Robert Simon and Woan Sun Chang, "Congestion Based Resource Sharing in Multi-Service Networks", *Decision Support Systems*. Volume 37, Issue 3, June 2004, pp. 397 - 413

Jukic, Nenad, Boris Jukic, Laurie Meamber and George Nezelek, "Implementing Polyinstantiation as an ECCRM Strategy", *International Journal of Electronic Commerce*, Volume 7, No. 2, Winter 2002-3, pp. 9-30.

Jukic, Nenad, Boris Jukic, Laurie Meamber and George Nezelek, "Employing Multilevel Secure Approach in CRM Systems", *Journal of Information Technology Theory and Applications*, Vol. 4, No. 2, 2002, pp.17-31.

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Jukic, Nenad, Susan Vrbsky, Allen Parrish, Brandon Dixon and Boris Jukic, "A Belief-Consistent Multilevel Secure Relational Data Model", *Information Systems*, Vol. 24, No 5, 1999, pp. 377-400

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Refereed Book Chapters

Jukic, Nenad, Boris Jukic, and Mary Malliaris "Online Analytical Processing (OLAP) for Decision Support", *Handbook on Decision Support Systems*, International Handbook on Information Systems Series, Springer-Verlag, Heidelberg, 2008

Jukic, Nenad, Abhishek Sharma, Boris Jukic and Manoj Parameswaran "M-Commerce: A Location-Based Value Proposition", *Managing E-Commerce and Mobile Computing Technologies*, J. Mariga (Editor), IRM Press, Hershey, PA, Spring, 2003.

Gupta, Alok, Boris Jukic and Prabhudev Konana, "Pricing Virtual Private Networks - An Economic, Engineering and Experimental Approach," in *Business Modeling: A Multi-Disciplinary Approach – Essays in honor of Andrew B. Whinston*, C. Holsapple, V. Jacob, H. R. Rao eds., Kluwer Academic Publishers, Norwell, Massachusetts, 2002.

Refereed Conference Proceedings

Jukic, Nenad, Melanie K. Ruiz, Sarah N. Shea, Svetlozar E. Nestorov, Susan V. Vrbsky, Miguel Velasco, and Boris Jukic, "Data Modeling in the Cloud", to be published in the *Proceedings of the 19th Americas Conference on Information Systems (AMCIS)*, Chicago, August, 2013

Jukić Boris, Nenad Jukić, and Svetlozar Nestorov, Framework for integrating Process and Data Logic: Connecting UML Use Cases and ER Diagrams, to be published in the *Proceedings of the 35th International Conference on Information Technology Interfaces*, ITI 2013, Cavtat, Croatia, June, 2013

Jukic, Nenad and Boris Jukic, Bridging the Knowledge Gap between Operational Databases and Data Warehouses, *Proceedings of the 31st International Conference on Information Technology Interfaces*, ITI 2009, Cavtat, Croatia, June, 2009, pp. 403-408.

Jukic, Nenad, Paul Gray and Boris Jukic "Zero-Installation, Zero-Maintenance, Zero-Cost Portal for Database-Related Educational Use," *Proceedings of the 30th International Conference on Information Technology Interfaces*, ITI 2008, Cavtat, Croatia, June, 2008

Jukic, Boris, David Kravitz and Nenad Jukic "Multi-Level Information Presentation Strategy and Web Customer Satisfaction: Investigation of Mediating Factors", *Proceedings of the Web 2007, the 6th Workshop on e-Business*, A Pre-ICIS Workshop Sponsored by AIS SIGeBIZ, Montreal, QC, Canada, December 2007

Jukic, Boris, Nenad Jukic and George Nezelek "Process vs. System Driven Information Systems Change", *Proceedings of the 28th International Conference on Information Technology Interfaces*, Cavtat, Croatia, June 2006

Jukic, Boris, Michael E. Wasserman and Nenad Jukic, "An Investigation of Information Technology Architecture Adoption Decisions and Competitive Strategy", *23rd Annual International Conference of the Strategic Management Society*, Baltimore, MD, November, 2003.

Jukic, Nenad, Abhishek Sharma, Boris Jukic and Manoj Parameswaran "M-Commerce: Analysis of Impact on Marketing Orientation", *Proceedings of 2002 Information Resources Management Association International Conference*, May 19-22, 2002, Seattle, Washington.

Jukic, Nenad, Boris Jukic, Laurie Meamber and George Nezelek, "Improving E-Business Customer Relationship Management Systems with Multilevel Secure Data Models", *Proceedings of HICSS-35*, Big Island, HI, January, 2002.

Simon, Robert, Boris Jukic and Woan Sun Chang, "Simple and Efficient Pricing Mechanisms for Multi-Service Networks", *Proceedings of LCN2001, The 26th Annual IEEE Conference on Local Computer Networks*, November 15-16, 2001, Tampa, Florida

Simon, Robert, Woan Sun Chang and Boris Jukic "Network Route Pricing: A QoS-based Model", with, *Proceedings of MASCOTS 2000, Eighth International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems*, San Francisco, California, August 29 - September 1, 2000

Simon, Robert, Boris Jukic and Woan-Sun Chang, "Optimal Resource Allocation for Multi-Service Networks", *Proceedings of IEEE/SCS 33rd Annual Simulation Symposium*, Washington D.C, April 2000.

Jukic, Boris, Laurie Meamber and Nenad Jukic "A Proposed Model for the Personalized Delivery of Online Advertising and Information Content", *Proceedings of International Conference on Telecommunications and Information Markets, COTIM-99*, Providence, Rhode Island, September 26-29, 1999.

Gupta, Alok, Boris Jukic, Minghzi Li, Dale O. Stahl and Andrew B. Whinston, "Estimating Internet Users' Demand Characteristics", *Computing in Economics and Finance, the 1999 meetings of the Society for Computational Economics*, Boston College, Chestnut Hill, Massachusetts June 24-26, 1999.

Academic Experience: Teaching

1996 - 1998. Research Assistant and Instructor, University of Texas at Austin,
Classes Taught:
MIS 381, Advanced Data Management

1998 - 2004. Assistant Professor, George Mason University
Classes Taught:
MIS 310: Introduction to Database Management
MIS 403: Systems Analysis and Design
MIS 420/320: Business Data Communications
MIS 491: Telecommunications Industry and Policy
MBA 663: Introduction to Information Technology and Management
MBA 733: Business Data Communications
MBA 736: Managing Digital Business
MBA 734: Electronic Commerce
EMBA 765: Electronic Commerce (Executive MBA Program)
MIS 792: Electronic Commerce

2004 – 2011. Associate Professor, Clarkson University
2011-present Professor, Clarkson University

Classes Taught:
IS 400: Development of Business Applications on the Internet
IS 400: Business Processes & Applications (course change in 2007)
IS 415: Data Warehousing and Data Mining
IS 437: Visual Basic Programming for Business Applications
IS 437: Business Application Development (course change in 2007)
IS 605: Information Systems
IA 605: Data Warehousing

Professional Service Activities: Editorial, Review and Conference Activities

Senior Editor, "Decision Support Systems." (July, 2014 - Present).
Reviewer, "MIS Quarterly" (2014)
Reviewer, "Information Systems Research." (2004 - Present).
Reviewer, "Decision Support Systems." (1999 - Present).
Reviewer, "Journal of Organizational Computing and Electronic Commerce." (1999 - Present).
Ad Hoc Reviewer, Abstracts, "Networks and Spatial Economics Journal."
Ad Hoc Reviewer, Papers, ITI - Information Technology Interfaces 2008. (March 2008 - May 2008).
Ad Hoc Reviewer, Papers, ITI - Information Technology Interfaces 2007. (March 2007 - May 2007).
Ad Hoc Reviewer, Papers, ITI - Information Technology Interfaces 2006. (April 1, 2006 - June 1, 2006).
Reviewer, "Journal of Management Information Systems" (1999 - 2003)
Reviewer, "International Journal of Electronic Commerce" (1999 - 2003)
Organizing Committee Member, WISE, Workshop on Information Systems and Economics 2004
(March 2004 - December, 2004)
Session Organizer, Reviewer, Discussant ICIS, International Conference on Information Systems
(January 2002 - December 2002)