

Dr. Dmitry Zhdanov, CISSP

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EDUCATION

Doctor of Philosophy, 2007

The University of Minnesota, Minneapolis, MN, USA
Major: Business Administration / Management Information Systems
Supporting Fields: Economics and Computer Science

Master of Business Administration, 2000

The University of Texas at Dallas, Richardson, TX, USA
Major: Business Administration / Management Information Systems

Bachelor of Management, 1997

Voronezh State University, Voronezh, Russia
Major: Marketing

FELLOWSHIP AND AWARDS

1. Top Professor – MSIS Cybersecurity, J. Mack Robinson College of Business, Georgia State University, August 2017
2. Senior Member, Institute of Electrical and Electronic Engineers (IEEE), June 2016.
3. Undergraduate Teaching Award, School of Business, University of Connecticut, 2015.
4. Best Poster Paper Award, *WITS-2013*, Milan, Italy, December 2013.
5. Innovation in Teaching Award, School of Business, University of Connecticut. 2012.

ACADEMIC EMPLOYMENT

2016-Present: Assistant Professor, Computer Information Systems Department, J. Mack Robinson College of Business, Georgia State University

2007-2016: Assistant Professor, Operations and Information Management Department, School of Business, University of Connecticut

PUBLICATIONS: REFEREED SCHOLARLY JOURNALS
(all author names listed in alphabetical order)

1. Ram Gopal, Hooman Hidaji, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "How Much to Share with Third-Parties? Users' Privacy Concerns and Website's Dilemma." *MIS Quarterly*, accepted August 10, 2016, forthcoming.
2. Ram Gopal, Hooman Hidaji, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Design Improvements for Message Propagation in Malleable Social Networks." *Production and Operations Management*, 2016, 25(6), pp. 993-1005.
3. Xue Bai, Ram Gopal, Manuel Nunez and Dmitry Zhdanov. "A Decision Methodology for Managing Operational Efficiency and Information Disclosure Risk in Healthcare Processes." *Decision Support Systems*, 2014, 57, pp. 406-416.
4. Alok Gupta and Dmitry Zhdanov. "Growth and Sustainability of Managed Security Service Provider Networks: an Economic Perspective." *MIS Quarterly*, 2012, 36(4), pp. 1109-1130.
5. Xue Bai, Ram Gopal, Manuel Nunez and Dmitry Zhdanov. "On the Prevention of Fraud and Privacy Exposure in Process Information Flow." *INFORMS Journal on Computing*, 2012, 24(3), pp. 416-432.
6. Ram Gopal, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Social Network Meets Sherlock Holmes: Investigating the Missing Links of Fraud." *Computer Fraud and Security*, 2012, 7, pp. 12-18.
7. Xue Bai, Ram Gopal, Manuel Nunez and Dmitry Zhdanov. "On Managing Information Security Risks for Business Processes." *International Journal of Decision Science*, 2010, 1(1), pp. 45-53.
8. Gediminas Adomavicius, Alok Gupta and Dmitry Zhdanov. "Designing Intelligent Software Agents for Auctions with Limited Information Feedback." *Information Systems Research*, 2009, 20(4), pp. 507-526.

PUBLICATIONS: REFEREED CONFERENCE PROCEEDINGS

1. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Enabling Sustainable Smart Homes: An Intelligent Agent Approach", *Proceedings of the 35th International Conference on Information Systems (ICIS)*, Auckland, New Zealand, December 14-17, 2014
2. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Effective Management of Electric Vehicle Storage using Smart Charging", *Proceedings of the Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI-14)*, July 27-31, 2014 Québec City, Québec, Canada.
3. Dmitry Zhdanov. "Electric Vehicles: Policy and Research Implications", *Proceedings of IEEE International Conference on Smart Grid Technology, Economics and Policies (SG-TEP)*, Nuremberg, Germany, December 3-4, 2012
4. Dmitry Zhdanov. "Drivers, Metrics and Best Practices for Information Security", *Proceedings of the 12th Americas Conference on Information Systems (AMCIS)*, Acapulco, Mexico, August 4-6, 2006.

PUBLICATIONS: NON-REFEREED AND OTHER

1. Xin Luo and Dmitry Zhdanov. "Special Issue Introduction: A Comprehensive Perspective on Information Systems Security – Technical Advances and Behavioral Issues," *Decision Support Systems*, 2016, vol. 92, pp.1-2.
2. Kai-Lung Hui, Anthony Vance and Dmitry Zhdanov. "Securing Digital Assets: Research Curation." In *MIS Quarterly Research Curations*, Ashley Bush, ed., May 27, 2016.

WORK IN PROGRESS

1. Dmitry Zhdanov, Sudip Bhattacharjee and Mikhail Bragin. "A Decision Support Framework for a Class of Modern Recommender Systems." Resubmit for 2nd round at *Production and Operations Management*.
2. Alok Gupta and Dmitry Zhdanov. "Fairness and Reciprocity as Incentives for Insider Compliance with Information Security Policies". Reject and Resubmit at *MIS Quarterly*.
3. Dmitry Zhdanov and Fanghui Xue. "When Hackers Trade: Studying the Dynamics of Dark Markets." Intended for *Information Systems Research*.
4. Alok Gupta and Dmitry Zhdanov. "Penal Code for Information Security Compliance". Intended for *Production and Operations Management*.
5. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Electricity Demand Management Based on Price Response of Heterogeneous Electric Vehicle Owners". Intended for *MIS Quarterly*.
6. Ram Gopal, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Team Selection and Social Networks: Implications for Worker Productivity". Intended for *MIS Quarterly*.
7. Dmitry Zhdanov. "Vaporware: Product Pre-Announcements in a Duopoly with Network Effects". Intended for *Journal of Management Information Systems*.
8. Dmitry Zhdanov. "Identification of Information Security Policies Using Metagraph Transformations". Intended for *INFORMS Journal on Computing*.
9. Dmitry Zhdanov. "Dynamic Model of Information Security: a Cognitive Approach". Intended for *MIS Quarterly*.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

1. Dmitry Zhdanov and Fanghui Xue. "When Hackers Trade: Studying the Dynamics of Dark Markets". *WITS Feeder Conference on Security and Risk in SMAC and Cyber-Physical Systems*, Pomona, CA, May 25-27, 2017.
2. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Electricity Demand Management based on Price Response of Heterogeneous Electric Vehicle Owners". *2017 Winter Conference on Business Intelligence*, Snowbird, UT, March 2-4, 2017
3. Dmitry Zhdanov. "Next Generation Research Challenges in Information Security and Privacy". *Policy, Awareness, Sustainability and Systems Workshop*, Minneapolis, MN, September 24, 2016
4. Ram Gopal, Hooman Hidaji, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Self-Regulation and the Invisible Hand of User Privacy Concerns", *WITS-2015*, Dallas, TX, December 12-13, 2015

5. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Sustainable Electric Vehicle Charging: A Data-Driven Approach", *WITS-2015*, Dallas, TX, December 12-13, 2015
6. Ram Gopal, Hooman Hidaji, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Information Sharing in Web Services: an Exploratory Analysis", *WITS-2014*, Auckland, New Zealand, December 17-19, 2014
7. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Achieving Sustainable Smart Home Energy Management: An Intelligent Agent Approach", *ICIS-2014*, Auckland, New Zealand, December 14-17, 2014
8. Ram Gopal, Hooman Hidaji, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Improving Cascade Propagation in Adaptable Networks", *CIST-2014*, San Francisco, CA, November 8-9, 2014
9. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Adaptive Learning Agents for Electric Vehicle Customer Decision Support", *CIST-2014*, San Francisco, CA, November 8-9, 2014
10. Konstantina Valogianni, Wolfgang Ketter, John Collins and Dmitry Zhdanov. "Effective Management of Electric Vehicle Storage using Smart Charging", *Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI-14)* July 27–31, 2014 Québec City, Québec, Canada.
11. Ram Gopal, Hooman Hidaji, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Improving Message Propagation in Social Networks", *WITS-2013*, Milan, Italy, December 14-15, 2013. **Winner of the Best Poster Award**
12. Ram Gopal, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Social Networks and Team Selection: Implications for Worker Productivity", *SCECR-2013*, Lisbon, Portugal, June 27-28, 2013
13. Dmitry Zhdanov. "Electric Vehicles: Policy and Research Implications", *IEEE International Conference on Smart Grid Technology, Economics and Policies*, Nuremberg, Germany, December 3-4, 2012
14. Dmitry Zhdanov. "Vaporware: Role of False Pre-Announcement in Software Markets", *CIST-2012*, Phoenix, AZ, October 12-13, 2012
15. Ram Gopal, Raymond Patterson, Erik Rolland and Dmitry Zhdanov. "Algorithmic Approaches to Fraud Prevention and Investigation", *INFORMS Annual Meeting*, Phoenix, AZ, October 14-17, 2012
16. Dmitry Zhdanov. "Vaporware", *WISE-2010*, St. Louis, MO, December 11-12, 2010
17. Xue Bai, Ram Gopal, Manuel Nunez and Dmitry Zhdanov. "Reducing Privacy Exposure in Healthcare Workflows", *2010 Workshop on Health Information Technology and Economics*, Washington, DC, October 8-9, 2010
18. Alok Gupta and Dmitry Zhdanov. "Fairness and Insider Compliance with Information Security Policies", *University of Alberta Conference on Information Security*, Edmonton, AB, May 29, 2010
19. Dmitry Zhdanov, Sudip Bhattacharjee and Mikhail Bragin. "Accurate Recommendations of Online Movie Ratings: Large Data Sets with Low Dimensions and Span of Multiple Years", *Winter Conference on Business Intelligence*. Salt Lake City, UT, March 12, 2010
20. Dmitry Zhdanov, Sudip Bhattacharjee and Mikhail Bragin. "Challenges of Large Data Sets and Limited Dimensions", *CIST-2009*, San Diego, CA, October 10-11, 2009

21. Dmitry Zhdanov, Sudip Bhattacharjee and Mikhail Bragin. "A Million Dollar Reward: Accurate Predictions of Online Movie Ratings", *SCECR-2009*, Pittsburgh, PA, May 30-31, 2009
22. Xue Bai, Ram Gopal, Manuel Nunez and Dmitry Zhdanov. "Design of Security Constrained Workflows", *INFORMS Annual Meeting*, Washington, DC, October 2008
23. Alok Gupta and Dmitry Zhdanov. "The Role of Fairness in Insider Compliance with Information Security Policies", *Workshop on Information Systems Economics (WISE-2007)*, Montreal, Canada, December 8-9, 2007
24. Alok Gupta and Dmitry Zhdanov. "Growth and Sustainability of MSSP Networks", *Workshop on Economics of Information Security (WEIS-2007)*, Pittsburgh, PA, June 7-8, 2007
25. Alok Gupta and Dmitry Zhdanov. "The Role of Performance Incentives in Compliance with Information Security Policies", *CIST-2006*, Pittsburgh, PA, November 4-5, 2006
26. Alok Gupta and Dmitry Zhdanov. "Trust and Fairness as Incentives for Compliance with Information Security Policies", *WITS-2006*, Milwaukee, WI, December 9-10, 2006

TEACHING EXPERIENCE

Georgia State University

Top Professor 2017 – MSIS Cybersecurity Concentration

"Network Security and Hacking" – MSIS Cybersecurity Core

"Cloud Computing and Security" – MSIS Cybersecurity Core

"Introduction to Information Security" – undergraduate CIS elective

University of Connecticut

Undergraduate Teaching Award - 2015

Innovation in Teaching Award - 2012

"Seminar in Information Systems" – PhD seminar

"Network Design and Applications" – undergraduate MIS major core course

"IT Security, Governance and Audit" – undergraduate MIS elective

"Business Information Systems" – undergraduate business core course

"Enterprise Security, Governance and Audit" – MBA elective

"Filed Study – Internship" – undergraduate MIS elective

SERVICE ACTIVITIES INTERNAL TO THE UNIVERSITY

Georgia State University

1. Coauthor of the NextGen proposal on Cybersecurity – proposal funded (2016).
2. Curriculum development for the MSIS Cybersecurity concentration (2016-present)
3. Preparation for the designation as a NSA/DHS Center of Excellence in Cyber Defense
4. CISSP review boot camp (2016)
5. Faculty Advisor – student chapter of ISACA (2016 – present)
6. Technology fee proposal for cybersecurity lab (\$43,000) – proposal funded (2017).

University of Connecticut

1. Led the development of the Advanced Business Certificate Program in IT Audit. This is a graduate-level program created in alignment with ISACA Model Curriculum for IS Audit and Control. ABC in IT Audit is offered at UConn's Hartford location since 2009.
2. Collaborated with the colleagues in the School of Engineering to create a University-wide undergraduate Minor in Information Assurance.
3. Founding member of UConn's Center for Information Assurance and Computer Systems Security – a designated NSA Center of Excellence in Information Assurance Research since 2010.
4. Coach, Undergraduate Business IT Case Competition team, 2012-2015. Led our teams to the 1st place finish at CoMIS-2012 and 2nd place finish at CoMIS-2014.
5. IT Projects and Operations Committee, University of Connecticut level, 2012/13
6. Undergraduate Students and Programs Committee, School of Business, 2013/14.
7. Technology Development and Utilization Committee, School of Business, 2008/09.
8. Hiring Committee, IT support position search, School of Business, 2013/14.
9. Faculty Advisor, PiCAPTCHA – recipient of 3rd place award at 2015 University of Connecticut Innovation Quest
10. Honors Advisor, Management Information Systems major, 2013-2015.
11. Qualifying Paper Committee, PhD Program, 2014/15. Working with 2nd year PhD students to get them started on independent research.
12. Research Seminar Coordinator, 2014-2015. Identification of external presenters, coordination on scheduling and content of the invited talks.
13. Undergraduate Programs Committee, 2008-2015. Textbook selection, website support, allocation of scholarships to the undergraduate students, coordination of student internships, outreach activities.
14. Faculty Advisor, Information Management Association – an undergraduate student club, 2008-2015.
15. Technology Committee, 2011-2013. Management of SAS and MSDN licenses, development of VM infrastructure, management of Gladstein Research Lab.
16. Publicity Committee, 2009/10. Redesign of departmental website, communication with former students regarding publicity contributions.

SERVICE ACTIVITIES IN ACADEMIC AND PROFESSIONAL ORGANIZATIONS

1. Guest Associate Editor, *MIS Quarterly*, since 2017
2. Curation on Information Security, *MIS Quarterly*, 2016
3. Guest Co-Editor, *Decision Support Systems*, special issue on Advances in Information Security, 2015-16.
4. Associate Editor, *Decision Support Systems*, since 2014
5. Associate Editor, *IS Frontiers*, since 2014
6. Associate Editor, *Information Technology and Management*, since 2013
7. Associate Editor, *Electronic Commerce Research and Applications*, since 2008
8. Associate Editor, *International Conference on Information Systems*, 2012-2013
9. Associate Editor, *European Conference on Information Systems*, 2014

10. Program Committee Member, *Workshop on Information Technologies and Systems*, since 2007
11. Program Committee Member, *Workshop on Economics of Information Security*, since 2016
12. Program Committee Member, *Erasmus Energy Forum*, since 2013
13. Program Committee Member, *Conference on Information Technologies and Systems*, since 2013
14. Session Chair, *INFORMS Annual Meeting* (2008, 2009), *WITS* (2008), *CIST* (2013, 2014).
15. Discussant, *Theory in Economics of Information Systems Workshop*, 2011, 2013, 2016
16. Ad-hoc reviewer for journals: *Management Science*, *MIS Quarterly*, *Information Systems Research*, *Journal of Management Information Systems*, *INFORMS Journal on Computing*, *Production and Operations Management Journal*, *Decision Support Systems*, *Journal of Association of Information Systems*, *Decision Sciences Journal*, *Electronic Commerce Research and Applications*, *Information Technology and Management*, *European Journal of Information Systems*.
17. Ad-hoc reviewer for conferences: *International Conference on Information Systems*, *Hawaii International Conference on System Sciences*, *International Conference on Electronic Commerce*.

SERVICE TO THE COMMUNITY

1. Scholarship Committee, Information Systems Security Association (ISSA) Education Foundation, since 2012.
2. Academic Advocate, Information Systems Audit and Control Association (ISACA), since 2008.

PRESENTATIONS TO INDUSTRY AND GENERAL PUBLIC

1. "Biometrics and Security", presented to the Advanced Practices Council of the Society for Information Management. Irving, TX, January 17, 2017.
2. Panelist, "Improving Cybersecurity for Small Businesses and Individuals", hosted by Congressman Joe Courtney (CT-02). Storrs, CT, October 16, 2015
3. "Information Security: Threats, Controls and Decision Making", MISRC Seminar Series, University of Minnesota, Minneapolis, MN, December 6, 2013
4. "Good People, Bad Decisions: An Interplay of Economics, Psychology and Risk", *4th Annual National Initiative on Cybersecurity Education Workshop*. Gaithersburg, MD, Sept. 17-19, 2013
5. "Data-Driven Economic Modeling of Information Security Policy Issues", Symantec Research Labs, Herndon, VA, January 15, 2013
6. "Psychological Foundations of Poor Information Security Decisions", meeting of ISSA Connecticut Chapter, Storrs CT, April 17, 2012
7. "Bridging the Gap between Software Developers and Auditors", joint meeting of OWASP and ISACA Chapters, Hartford, CT, May 18, 2010
8. "Economics of Information Security", MISRC Seminar Series, University of Minnesota, Minneapolis, MN, May 1, 2009