



ELIOT H. RICH

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School of Business
University at Albany, State University of New York
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ACADEMIC APPOINTMENTS

UNIVERSITY AT ALBANY, State University of New York Department of Information Technology Management Associate Professor and Department Chair	2019- Current
Associate Professor (Tenured)	2011 - 2019
Affiliated faculty, Department of Informatics	2011 - Current
Courtesy appointment, Department of Public Affairs and Policy	2016 - Current
Assistant Professor	2003 - 2011
Lecturer, Visiting Lecturer, Adjunct Lecturer	1997 - 2002
Adjunct Instructor, School of Information Science and Policy	1995 - 1996
TECNUN, UNIVERSITY OF NAVARRA, SPAIN	
Department of Industrial Engineering Visiting Professor (in residence)	2011 - 2012
Visiting Professor	2009 - 2011
MASSACHUSETTS COLLEGE OF LIBERAL ARTS	
Department of Business Administration and Economics Visiting Assistant Professor	2011
UNIVERSITY OF AGDER, NORWAY	
Faculty of Engineering and Science Visiting Professor	2006 - 2010
CORNELL UNIVERSITY	
School of Applied Economics and Management Visiting Fellow	2004 - 2006

PUBLICATIONS**PEER-REVIEWED JOURNAL ARTICLES**

Chen, Y., Zhao, X., Rich, E., and Luna-Reyes, L., (2018) “Decision Models and Group Decision Support Systems for Emergency Management and City Resilience”, International Journal of E-Planning Research 7(2):35-50.

Ormazabal, M., Sarriegi, J. M., Rich, E., and Viles, E. (2017) “Explaining Environmental Management Evolution through Maturity States and Causality Loops”, Organization & Environment 30(1):27-50.

Richardson, G. P., Black, L. J., Deegan, M., et al., (2015). “Reflections on Peer Mentoring for Ongoing Professional Development in System Dynamics”, System Dynamics Review, 31(3), 173-181. doi:10.1002/sdr.1542

Krzykowski, L., Miesing, P., and Rich, E., (2015) “Enabling the Sustainable Community: The Opportunity for Libraries, Universities and Businesses”, Journal of the Leadership and Management Section, New York Library Association 11(5), 29-39.

Rich, E., Hernantes, J., Laugé, A., Labaka, L., Sarriegi, J. M., Gonzalez, J. J., “Improving the Crisis-to-Crisis Learning Process”, (2014), International Journal of Information Systems for Crisis Management 6(3) 38-52

Deegan, M.; Stave, K., MacDonald, R., Andersen, D., Ku, M., Rich, E. (2014) “Simulation-Based Learning Environments to Teach Complexity: The Missing Link in Teaching Sustainable Public Management”. Systems 2, 217-236.

Labaka, L., Hernantes, J., Sarriegi, J. M., Rich, E. (2013) “Resilience Building Policies and their Influence in Crisis Prevention, Absorption and Recovery”, Journal of Homeland Security and Emergency Management 10:1, pp 1-29.

Hernantes, J., Rich, E., Laugé, A., Labaka, L., Sarriegi, J. M. (2013) “Learning before the storm: Modelling multiple stakeholder activities in support of crisis management, a practical case”, Technological Forecasting and Social Change (80) 1742-1755

Andersen, D. L., Luna-Reyes, L., Diker, V., Black, L., Rich, E. and Andersen, D. F. (2012) “The Disconfirmatory Interview as a Strategy for the Assessment of System Dynamics Models” System Dynamics Review 28(3) 255-275.

Rich, E. and Nelson, M. “Understanding the Context of Large-Scale IT Failures” (2012) International Journal of Information Technologies and the Systems Approach 5(2) 1-24.

Tedeschi, L, Nicholson, C. and Rich, E., (2011) “Using System Dynamics modelling to develop management tools for animal production with emphasis on small ruminants” Small Ruminant Research 98:102-110.

Rich, E., Gonzalez, J. J., Qian, Y., Sveen, F. O., Radianti, J. and Hillen, S. (2009) "Emergent Vulnerabilities in Integrated Operations: A Proactive Simulation Study of Economic Risk" International Journal of Critical Infrastructure Protection 2(3) 110-123.

Schryen, G. and Rich, E. (2009) "Security in Large-Scale Internet Voting Systems: An Exploratory Multiple Case Study of Internet Voting in Estonia, the Netherlands and Switzerland" IEEE Transactions on Information, Forensics and Security 4(4), 729-744.

Rich, E. (2008) "Management Fads and Information Delays: An Exploratory Simulation Study" Journal of Business Research 61(11) 1143-1151.

Martinez-Moyano, I., Rich, E., Conrad, S., Andersen, D., and Stewart, T. (2008), "A Behavioral Theory of Insider-Threat Risks: A System Dynamics Approach" ACM Transactions on Modeling and Computer Simulation 18(2) 7:1-7:27.

Rich, E. (2008) "E-ZPass and the Ohio Turnpike: Adoption and Integration of Electronic Toll Collection" Journal of Cases in Information Technology 10(1) 32-51.

Sveen, F. O., Rich, E., and Jager, M. (2007) "Overcoming Organizational Challenges to Secure Knowledge Management" Information Systems Frontiers 9(5) 481- 492.

Sveen, F. O., Sarriegi, J. M., Rich, E., and Gonzalez, J. J. (2007) "Toward Viable Information Security Reporting Systems" Information Management and Computer Security 15(5) 408-419.

Johnsen, S. O, Hansen, C. W., Line, M. B., Nordby, Y., Rich, E., and Qian Y. (2007) "CHECKIT-A Program to Measure and Improve Information Security and Safety Culture" International Journal of Performability Engineering 3(1) 175-186.

PEER-REVIEWED BOOK CHAPTERS

Rich, E. (2017). "Systems Thinking for the Social Entrepreneur", in Miesing, P., and Aggestam, M, Educating Social Entrepreneurs: From Business Plan Formulation to Implementation. NY, NY: Business Expert Press.

Miesing, P., Krzykowski, L., Rich, E. (2018) "Enabling Sustainability in Management Education", in Arevalo, J. and Mitchell, S., Sustainability in Management Education: In Search of a Multidisciplinary, Innovative and Integrated Approach through University Leadership, Scholarship and Partnerships, Edward Elgar.

Luna-Reyes, L., Gil-Garcia, J. R., Rich, E., and Andersen, D. F., (2017), "Using System Dynamics for the Analysis of Complex Social Problems and Public Policy Alternatives: Fundamentals and Recommendations", in Chen, Y.-Ch. and M. Ahn (eds.). Routledge Handbook on Information Technology in Government.

Sveen, F. O., Hernantes, J., Gonzalez, J. J, and Rich, E. (2011) "Towards Understanding Recurring Large Scale Power Outages: An Endogenous View of Inter-organizational Effects" Lecture Notes in Computer Science, (6712) 43-54 Springer.

Andersen, D., Rich, E., and MacDonald, R. (2009) "System Dynamics Applications to Public Policy" Encyclopedia of Complexity and Systems Science, 7051-7061, Springer.

Martinez-Moyano, I., Rich, E., and Conrad, S. (2006) "Exploring the Detection Process: Integrating Judgment and Outcome Decomposition" Lecture Notes in Computer Science, (3975) 701 - 703, Springer.

Rich E. and Duchessi, P. (2005) "Keeping the Flame Alive: Sustaining a Successful Knowledge Management Program" Case Studies in Knowledge Management, pp. 315-326, M. Jennex ed., Idea Group Publishing.

Reprinted in Knowledge Management: Concepts, Methodologies, Tools and Applications (2008) pp. 112-122, M. Jennex ed., IGI Global.

Miesing, P., and Rich, E. (1997) "Using Technology to Experience Business Ethics in the Business Class" Current Topics in Management, (2) 267-286, JAI Press.

PEER-REVIEWED CONFERENCE PROCEEDINGS

Carroll, E., Hayden, N., Trauth, S., Rich, E., Grisham, D., Schrieber, C., Schindel, B., Salvatore, F. (2019). A Model-based engineering Manifesto. International Conference of the System Dynamics Society, Reykjavik, Iceland, www.systemdynamics.org. 2 pages. Republished with modifications at the INCOSE (2019) conference, www.omgwiki.org/MBSE

Rich, E. (2019). Validation and Verification of Models of Complex Systems: From Science to Practice, Linz, Austria, International Federation for Systems Research. 2 pages.

Zhao, X., Chen, Y., Ku, M., Rich, E., Deegan, M., Luna-Reyes, L. (2017). "Group Decision Support Systems for Emergency Management and Resilience: CoastalProtectSIM," Hawai'i International Conference on System Sciences (HICSS-50), Kauai Hawaii. 10 pages.

Najafabadi, M. M., Bahaddin, B., Deegan, M. A., Feyzi Behnagh, R., Luna-Reyes, L. F., Rich, E., Andersen, D. F., (2015) "Empowering Sustainable Decision Making: CoastalProtectSim in Action", Proceedings of the 16th Annual Conference on Digital Government Research, Phoenix, AZ, 3 pages.

Richardson, G. P., Andersen, D. F., Rich, E., MacDonald, R. (2012) "Endogenous Policy Resistance in Service Delivery Systems: 'Downstream Swamping as a Generic Dynamic Structure'", 37th Annual Fall Research Conference, Association for Public Policy Analysis and Management, Miami, FL.

Rich, E., Sarriegi, J. M., Laugé, A., Hernantes J. Labaka, L., and Gonzalez, J. J. (2013) "Improving the Crisis to Crisis Learning Process", Hawai'i International Conference on System Sciences (HICSS-45), Kauai, Hawaii. 10 pages.

Sarriegi, J. M., Rich, E., Laugé, A., Labaka, L., and Hernantes J. (2012) “Creating and Testing Holistic Crisis Management Strategies: The Crisis Management Balanced Scorecard and Systems Modelling” Future Security Conference, Bonn, Germany. 4 pages.

Zupančič, E., Trček, D., Starc, I., and Rich, E. (2012) “Analysis of reconnection policies during a major power cut crisis using a system dynamics simulation model” International Conference on Management and Service Science (MASS 2012), Shanghai, China. 4 pages.

Ormazabal, M., Rich, E., and Sarriegi, J. M. (2012) “Exploring Environmental Management Evolution Maturity” 30th International Conference of the System Dynamics Society, St Gallen, Switzerland. 20 pages.

Hernantes, J., Laugé, A., Labaka, L., Rich, E., Sveen, F. O., Sarriegi, J. M., Martinez-Moyano, I., J., and Gonzalez, J. J. (2011) “Collaborative modeling of awareness in Critical Infrastructure Protection” Hawai’i International Conference on System Sciences (HICSS-44), Kauai, Hawaii. 10 pages. *Nominated for Best Paper.*

Sveen, F. O., Hernantes, J., Gonzalez J. J., and Rich, E. (2010) “Towards Understanding Recurrence of Large Scale Power Outages” International Conference on Critical Information Infrastructure Security (CRITIS 2010) Athens, Greece. 13 pages

Radiani, J., Rich, E., and Gonzalez, J. J. (2010) “Refinement of a Supply and Demand Model for Vulnerability Black Markets” 28th International Conference of the System Dynamics Society, Seoul, Korea. 18 pages.

Miesing, P., Krzykowski, L., and Rich, E. (2010) “Going Green Globally with Strategic Sustainable Systems” 28th International Conference of the System Dynamics Society, Seoul, Korea. 30 pages.

Rich, E., Hernantes, J., Labaka, L., Laugé, A., Sarriegi, J. M., and Sveen, F. O. “Modeling a National Power Crisis in Support of A Crisis Lifecycle Model” (2010) 28th International Conference of the System Dynamics Society, Seoul, Korea. 23 pages.

Sveen, F. O., Rich, E., Sarriegi, J. M., Hernantes, J. and Gonzalez, J. J. (2010) “A Group Model Building approach for identifying simulation scenarios in critical infrastructure” Hawaii International Conference on System Sciences (HICSS-43), Kauai, Hawaii. 10 pages.

Schryen, G. and Rich, E. (2010) “Increasing software security through open source or closed source development? Empirics suggest that we have asked the wrong question” Hawaii International Conference on System Sciences (HICSS-43), Big Island, Hawaii. 10 pages.

Radiani, J., Gonzalez, J. J., and Rich, E. (2009) “A Quest for a Framework to Improve Software Security: Vulnerability Black Markets Scenario” 27th International Conference of the System Dynamics Society, Albuquerque, NM. 35 pages.

Radiani, J., Rich, E. and Gonzalez, J. J. (2009) “Vulnerability Black Markets: Empirical Evidence and Scenario Simulation” Hawaii International Conference on System Sciences (HICSS-42), Big Island, Hawaii. 10 pages.

Larsen, K., Nevo, D., and Rich, E. (2008) "Exploring the Semantic Validity of Questionnaire Scales" Hawai'i International Conference on System Sciences (HICSS-41), Big Island, Hawaii. 10 pages.

Whitmore, A., Rich, E. and Nelson, M. (2008) "Building on Shifting Sands: The Structure of Repetitive IT Project Escalation, Crisis, and De-escalation" 26th International Conference of the System Dynamics Society, Athens, Greece. 27 pages.

Radianti, J., Rich, E. and Gonzalez, J. J. (2007) "Using a Mixed Data Collection Strategy to Uncover Vulnerability Black Markets" 2nd Workshop on Information Security and Privacy (WISP 2007), Montreal, Canada. 9 pages.

Rich, E., Nelson, M., and Whitmore, A. (2007) "IT Project Management, Concept Modeling, and Blind Dates" 25th International Conference of the System Dynamics Society, Boston, MA. 16 pages.

Rich, E., Sveen, F. O., Qian, Y., Hillen, S., Radianti, J., and Gonzalez, J. J. (2007) "Emergent Vulnerability in Integrated Operations: A Proactive Simulation Study of Risk and Organizational Learning", Hawai'i International Conference on System Sciences (HICSS-40), Big Island, Hawaii. 10 pages.

Rich, E., Sveen, F. O., and Jager, M. (2006) "Overcoming Organizational Challenges to Secure Knowledge Management" Second Secure Knowledge Management Workshop, Brooklyn, NY. 8 pages.

Martinez-Moyano, I. J., Rich, E., Conrad, S., Stewart, T., and Andersen, D. F. (2006) "Integrating Judgment and Outcome Decomposition: Exploring Outcome-Based Learning Dynamics" 24th International Conference of the System Dynamics Society, Nijmegen, the Netherlands. 14 pages.

Rich, E., "Modeling Risk Dynamics in E-Operations Transitions" (2006) International Society for Crisis Response and Management (ISCRAM-06), Newark, NJ. 12 pages.

Martinez-Moyano, I. J., Rich, E., Conrad, S. H., Andersen, D. F. (2006) "Modeling the Emergence of Insider Threat Vulnerabilities" Inform's Winter Simulation Conference, Monterey, CA. 6 Pages.

Rich, E. and Gonzalez, J. J. (2006) "Maintaining Security and Safety in High-threat E-operations Transitions" Hawai'i International Conference on System Sciences (HICSS-39), Kauai, Hawaii. 10 pages.

Martinez-Moyano, I. J., Conrad, S., and Rich, E. (2005) "Simulating Insider Cyber-Threat Risks: A Model-Based Case and a Case-Based Model" 23rd International Conference of the System Dynamics Society, Boston, MA. 47 pages.

Andersen, D. F. , Cappelli, D. , Gonzalez, J. J., Mojtahedzadeh, M., Moore, A. Rich, E., Sarriegi, J. M., Shimeall, T., Stanton, J. Weaver, E. A., and Zagonel, A. (2004) "Preliminary

System Dynamics Maps of the Insider Cyber-threat Problem” 22nd International Conference of the System Dynamics Society, Oxford, UK. 35 pages.

Rich, E. and Duchessi, P. (2004) "Modeling the Sustainability of Knowledge Management Programs” Hawai'i International Conference on System Sciences (HICSS-37), Big Island, Hawaii. Nominated for Best Paper award, Organizational Systems and Technology Track. 10 pages.

Rich, E. and Duchessi, P. (2001) "Models for Understanding the Dynamics of Organizational Knowledge in Consulting Firms" Hawai'i International Conference on System Sciences (HICSS-34), Maui, Hawaii, 2001. 10 pages.

TECHNICAL REPORTS

Rich, E., Andersen, D. F. and Richardson, G. P., (2006) OLF-IRMA-AMBASEC Group Modeling Report I, University at Albany, Albany, NY.

Rich, E., Andersen, D. F. and Richardson, G. P. (2006) OLF-IRMA-AMBASEC Group Modeling Report II, University at Albany, Albany, NY.

Martinez-Moyano, I. J , Rich, E., Conrad, S., Andersen., D. F., and Stewart, T. R. (2005) A Behavioral Theory of Insider-Threat Risks: A System Dynamics Approach, Center for Policy Research, University at Albany.

INVITED ARTICLE

Gonzalez, J. J., Qian, Y, Sveen, F. O., and Rich, E. (2005) “Helping Prevent Information Security Risks in the Transition to Integrated Operations” Teletronikk 101 (1), pp. 29-37.

PRESENTATIONS

PEER-REVIEWED INTERNATIONAL AND NATIONAL CONFERENCES

Rich, E., Bianchi, C., Luna-Reyes, L., (2018) “Collaborative Governance: A Research Agenda”, 36th International Conference of the System Dynamics Society, Reykjavik, Iceland.

Ed Carroll, Dana Grisham, Nancy Hayden, Sharon Trauth, Eliot Rich, Frank Salvatore, William Schindel, Chris Schreiber, Steve Jenkins, Anne O'Neil (2018) “Principles of Model Based Engineering: An Emerging Manifesto”, 36th International Conference of the System Dynamics Society, Reykjavik, Iceland.

Trofimovsky, A., Miesing, P., Rich, E., and Krzykowski, L., (2012) “Strategic Sustainability Systems: A Systems Approach” 49th Annual Meeting of the Eastern Academy of Management, Philadelphia, PA.

Rich, E. and Conklin, Wm A. (2009) "Using Systems Models to Improve Information Security Management" 2009 System Dynamics Winter Conference, College Station, TX.

Larsen, K, Lee, J., and Rich, E. (2008), "The Development of a Shared Dataset for Predictive Analysis in the Behavioral Sciences" Symposium on Semantic Knowledge Discovery, Organization and Use (NSF-Sponsored), New York University, NY.

Martinez-Moyano, I. J., Rich, E., Conrad, S. (2006) "Modeling Detection Processes: Integrating Judgment and Outcome Decomposition" IEEE Intelligence and Security Informatics Conference (ISI), San Diego, CA.

Martinez-Moyano, I. J., Conrad, S., Rich, E., Andersen, D. and Stewart, T. (2005) "Judgment and Decision Making Under Uncertainty: Modeling Insider Threat Risks in Organizations" INFORMS, San Francisco, CA.

Rich, E. (2005) "Insider Threats: Raising the Profile and Managing the Risks" Research and Development Partnerships in Homeland Security Conference, Department of Homeland Security, Boston.

Rich, E. (2003) "Using Simulation to Explore the Dynamics of Organizational Knowledge" Abstract included in Proceedings of the 21st International Conference of the System Dynamics Society, New York City.

Rich, E. (1998) "A Simulation Model of the Effects of Technology on Organizational Knowledge", Association for Information Systems, Baltimore, MD, July 1998. Abstract included in Proceedings of the 4th Americas Conference on Information Systems, Baltimore, MD.

Rich, E. (1998) "Limits to Groupware-Facilitated Organizational Learning in a Consulting Firm", Abstract included in Proceedings of the 16th International Conference of the System Dynamics Society, Quebec City, Canada.

WORKSHOP PAPERS

Rich, E., et al., (2015) "An Experimental Platform for Interpreting Open-source Health Data Though Integration with Dynamic Disease Models and Geoplots", IEEE International Workshop on Service Science for e-Health, Cambridge, MA.

Rich, E. et al., (2015) "Scaling the Social Venture", Workshop on Educating Social Entrepreneurs, School of Business, University at Albany, Albany, NY.

INVITED PRESENTATIONS

Rich, E., (2013) "Systems Thinking, System Dynamics, and Group Decision Support", CROSSOVER 2.0 Conference, Trinity College Dublin, Ireland.

Miesing, P., Krzykowski, L., Rich, E. (2013) "Environmental, Economic, and Social Sustainability: An Interdisciplinary Approach", Conversation in the Disciplines, State University of New York at Brockport, Brockport, NY

Miesing, P., Krzykowski, L., Rich, E. (2009) “Strategic Sustainability Systems: Evidence from the G3 Program at the UAlbany School of Business”, Corporate Social Responsibility and Environmental Sustainability Conference, University at Albany School of Business, Albany, NY.

Rich, E. (2007) “Using Your Experience to Improve Safety and Security in Integrated Operations,” Integrated Operations Conference, SINTEF and Norwegian University of Science and Technology, Trondheim, Norway.

Rich, E. (2007) “System Dynamics: Actions, Behavior, and Structure”, International Center for Learning, Education and Performance Systems, Tallahassee, FL.

Rich, E. (2004) “An emerging perspective on the dynamics of insider cyber-threats”, Third Russian National Conference on Mathematics and Information Technology Security (MaBIT-04), Moscow State University, Moscow, Russia.

Rich, E. (2004) "The Sustainability of Organizational Knowledge: A Simulation-based Exploration”, Presented to School of Applied Economics and Management Strategy Faculty Seminar Series, School of Applied Economics and Strategy, Cornell University, Ithaca, NY.

AWARDS RECEIVED

University at Albany School of Business Graduate Teaching Award, selected based on peer review, 2009.

University at Albany School of Business Undergraduate Teaching Award, selected based on peer review, 2005.

University at Albany Distinguished Dissertation Award, 2003.

SPONSORED RESEARCH

EXTERNAL SUPPORT

Title: System Dynamics, Systems Thinking, and GDSS

Amount: €4,000

Duration: 2013 Travel Grant

Role: Speaker

Lead Institution: Trinity College, Dublin, Ireland Crossover 2.0,

Funder: EU FP7 Programme

Title: TLS and DAT: Construct Utilization in the Behavioral Sciences

Duration: 2010-2012

Role: Co-Principal Investigator (all funding going to lead institution).

Lead Institution: University of Colorado, Boulder

Funder: National Science Foundation, Science of Science Policy

Title: Simulation Exercise to Manage Power Cut Crises (SEMPOC)

Amount: €22,000
Duration: 2009-2011 Summer Support
Role: Senior Researcher
Lead Institution: TECNUN, University de Navarre, Spain
Funder: European Commission, Directorate of Justice, Freedom, and Security

Title: A Model-based Approach to Security (AMBASEC)
Amount: 80,000 NOK (approx. \$15,000)
Duration: 2006 Summer Support
Role: Grant co-Author and Senior Researcher
Lead Institution: University of Agder, Norway
Funder: Norwegian Research Council

Title: Incident Response Management (IRMA)
Amount: 40,000 NOK (approx. \$7,500)
Duration: 2007 Summer Support
Role: Researcher
Lead Institution: SINTEF, Norway
Funder: Norwegian Research Council

Title: Travel grant to attend Integrated Operations Conference, 2007, Trondheim Norway
Role: Invited Presenter
Funder SINTEF (Conference Sponsor)

Title: Travel grant to attend International Center for Learning, Education and Performance Systems (ICLEPS) Workshop, 2007, Tallahassee FL.
Role: Invited Presenter
Funder ICLEPS

INTERNAL SUPPORT

Title: OTL Project – Business Systems Analysis and Design
Amount: \$4,000
Duration: 2018
Funder: Institute for Teaching, Learning, and Academic Leadership, University at Albany

Title: Development and integration of student response technology into courses
Amount: \$500
Duration: 2007
Funder: Institute for Teaching, Learning, and Academic Leadership, University at Albany

Title: Meeting support for Security Dynamics Network meeting
Amount: \$1,000
Duration: 2006
Funder: Office of the Dean, School of Business and Office of Special Programs, University at Albany

SERVICE ACTIVITIES

SERVICE TO THE PROFESSION

System Dynamics Society: Vice President, Finance (2017-Current), Associate Vice President, Finance (2014-2017), Co-leader, Information Science and Information Systems Special Interest Group (2013-current).

Conference Track / Mini-Track Organizer – System Dynamics Society (2011-current), Hawai'i International Conference on System Sciences (2006-2012), ACM Symposium on Applied Computing (2009), International Society for Crisis Response and Management (2007).

Journal Reviewer: Academy of Management Learning & Education, Annals of Information Systems, Computers and Security, Decision Support Systems, Government Information Quarterly, Information Systems Frontiers, Information Technology and Management, International Journal of Information Technologies and the Systems Approach, International Journal of Information Technology Management, International Journal of Teaching and Case Studies, Journal of Data and Information Quality, Journal of Electronic Commerce Research, OMEGA, PLOS One, Resilience Engineering and System Safety, System Dynamics Review, Systems.

Conference Reviewer: Academy of Management (AoM), ACM SIGKDD Workshop on Cyber-Security and Intelligence Informatics, Eastern Academy of Management, Hawai'i International Conference of System Sciences, Information Resources Management Association, International Conference on Information Systems (ICIS), International Conference of the System Dynamics Society, MIT Conference on Information Quality, Workshop for Information Security and Privacy (WISP).

SERVICE TO THE SCHOOL OF BUSINESS, UNIVERSITY AT ALBANY

School of Business MBA “Going Green Global” Lecturer, Student Coach, and Simulation Facilitator, 2009-2018.

School of Business MBA Orientation, Lecturer and Simulation Facilitator, 2008-2009.

School of Business Ethics Series Lecturer, 2006 – 2009.

School-wide Committee services:

AACSB Accreditation, Assessment of Learning Committee, 2008 – 2009.

AACSB Accreditation, Ethics Task Force 2010

Computing, Teaching and Learning Committee, 2004 - 2006. Committee Chair, 2005-2006.

Graduate Affairs Committee 2008 - Current. Committee Chair, 2008, 2014-2016.

Committee on Promotion and Continuing Appointment, 2012-2014, 2016-current.

Search Committee, School of Business MBA Director, 2007.

Search Committee, School of Business Undergraduate Advisor, 2008.

SERVICE TO THE UNIVERSITY AT ALBANY

University-wide Committee Service

University Sustainability Innovation Grant Reviewer, 2017-Current
 University Senator, School of Business, 2012-2014.
 Library and Information Systems Committee, University Senate, 2012-current.
 Information Systems Council, Chair, 2012-2014.
 Advanced Data Analytics Cluster, 2013-2015.
 Provost's Committee on Online Learning, member, 2013.
 Data Center Oversight Committee, member, 2013-2015.
 Recruitment Committee, Institute for Teaching and Learning (ITLAL), 2011.
 Undergraduate Committee on Academic Standing, School of Business Representative,
 2005 – 2006.

College of Emergency Preparedness, Homeland Security, and Cybersecurity, Information Science Ph.D. Program

Program Service

Chair, PhD Program Director Search Committee, 2013-2014
 Member, PhD Program Faculty Search Committee, 2013-2014
 Information Science PhD Program Admissions Committee, 2011-Current
 Information Science PhD Program Steering Committee, 2012-2018

Doctoral Dissertation Committee Service

Wei-Tsong Wang, "Strategic Alignment: A Knowledge Management Approach to Crisis Management," Committee Member, Ph.D. awarded 2006.

Meg Fryling, "Total Cost of Ownership of Enterprise Resource Planning Software: Simulating a Dynamic Feedback Perspective in the Higher Education Environment," Committee Member, Ph. D. awarded 2010.

Stephen Lackey, "Integrating Place and Time with Tasks: Supporting the Student Commuter", Committee Member, Ph. D. awarded 2013

Weijia Ran, "Effective Market Mechanisms for Business Success of Smart Information Disclosure in the Open Data Movement", Dissertation Reader, Ph.D awarded 2015.

Carson Mingzhe Tao, "Clinical Information Extraction from Unstructured Free-texts, Committee Member, Ph.D. awarded 2018.

Doctoral Student Program Committee Service

Bahareh Ansari, 2017-2018
 Babak Bahaddin, 2014-current
 Namjoo Choi, achieved candidacy 2009.

Dawit Demissie, achieved candidacy 2009.
 Manuel DeTuya, 2016-current
 Monica DeTuya, 2018-current
 Katrina Hull, achieved candidacy 2016
 Matthew Jager, achieved candidacy 2009.
 James McGaughan, 2017-2018
 Mahdi Najafabadi, 2014-current
 Vishwa Rao, 2017-current
 Alexander Trofimovsky, 2009-2015
 Andrew Whitmore, achieved candidacy 2009.
 Tung-Mou Yang, achieved candidacy 2009.
 Xiaoyi Zhao, 2016-current

Post-Doctoral Supervision

Jianping (Sally) XU, PhD., Shanghai University School of International Business and Economics, Department of Management, in residence at UAlbany 2016-2017,

Other Campus Service

University at Albany Honors College Faculty, 2010-2012
 Faculty Fellow, CTG Albany, 2017-Current
 Affiliated Faculty, Center for Policy Research, Rockefeller College of Public Affairs and Policy, 2003 – current.
 UA Safe Spaces Program, 2010.
 Undergraduate Academic Mentor Program, 2008 – 2009.
 Undergraduate Freshman Orientation Volunteer, 2007.
 Faculty sponsor, Gift of Life Bone Marrow Drive, 2006, 2009.
 University and School of Business Commencement participant, ongoing.

UA Community Outreach

Invited Lecturer, “Introduction to System Dynamics”, Shanghai University of International Business and Economics, Summer 2014.
 Invited Lecturer, “Introduction to System Dynamics”, Shanghai University of Management, Summer 2014.
 Faculty Leader, Key Bank – UA Curriculum Collaboration, 2008 – current.
 Faculty Participant, International Institute of Business Analysts, 2008 – current.
 UA World Climate Exercise Facilitator, 2009-current.

EXTRAMURAL SERVICE

Dissertation Reviewer, University of Navarra, Spain

Leire Labaka, “Resilience Framework for Critical Infrastructures”, PhD Thesis, Department of Industrial Engineering, 2013

Marta Ormazabal, "EMM Model. Environmental Management Maturity Model For Industrial Companies", PhD Thesis, Department of Industrial Engineering, 2013

Dissertation Committee Service, University of Bergen, Norway

Ying QIAN, "Mitigating information security risks during operation transition: Models and data", co-supervisor, defended 2010.

Jaziar Radianti, "The Vulnerability Black Market (VBM): Maps, Model, Data", co-supervisor, defended 2010.

Cornell System Dynamics Network, Cornell University, Ithaca, NY 2004-2006

Supported for System Dynamics research and teaching at Cornell's School of Applied Management through teaching and mentoring of doctoral students and review of faculty research applications.

TEACHING

RECENT TEACHING

ITM 601: Business Systems Analysis and Design (Fall, Graduate).

ITM 331: Business Systems Analysis and Design (Fall, Undergraduate, Co-instructor).

These MBA and undergraduate courses cover systems analysis and design for Information Technology Management MIS concentrators. Course includes analysis of live case through database design and software prototype implementation. Introduced object-oriented analysis, UML, use cases, and advanced requirements gathering techniques into the course as these become integral to current practice. Integrated professional-quality tools into curriculum, including Rational Rose, Visual Paradigm, Visual Analyst, and ORACLE. Provided instruction and technical support to student projects implemented in SQL, Microsoft Access, Java and Visual Basic. Developed and supported Blackboard materials for content management, examination, and access to resources.

ITM604: Database Design

This course introduces students to database design for business applications. Relational and non-relational database application and use are reviewed. The course is coordinated with a parallel class on data-driven analytics.

ITM 692: Special Topics – Object-Oriented Programming (Fall).

ITM 333: Programming Techniques

ITM 572: Advanced programming for Business Applications

Intensive one-credit programming course for Information Technology Management Undergraduate and MBA students. Course has moved from traditional in-class

model to online, self-paced study. Languages and content adapted as needed by current contexts.

ITM200: Strategic Sustainable Systems (Spring)

University Honors College course integrating systems methods and the interplay between environment and business. Developed coursework, simulation studies and student enrichment activities to support understanding of sustainability in business and social settings.

ITM 330: Business Information Systems & Technologies (Spring)

Undergraduate IT applications survey course for all business majors delivered in large-lecture (~220 student) format. Developed new and adapted existing course material and introduced iClicker technology to improve student engagement during lectures.

ITM 698: Research Project in Information Technology Management.

Supervised selected MBA student theses. Overload course, average 1-2 theses per academic year.

ITM624: Business Dynamics / PAD624: Business Dynamics

Introduction to System Dynamics for graduate students, 3-4 credits. Overload course, Fall 2013, Spring 2014, Fall 2015

PAD824: Advanced Topics in System Dynamics

Doctoral seminar and project course in system dynamics, 4 credits, Overload course in Spring 2015.

INF897: Independent Study in Information Science

Directed independent study or readings courses for students in Informatics doctoral program. Overload course, offered each semester.

INF720: Managing Information and Technology in Organizations.

Coordinated PhD seminar on applications of information and information science in business and non-profit contexts.

PAST TEACHING

ITM 522: Managing Information Technology

MBA core course in information systems. Curriculum includes the role of IT in corporate strategy definition and implementation, design of strategic information systems, decision support systems, Business Process Reengineering, data mining, data warehousing and other emerging technologies. Integrated case teaching with traditional text and examination format.

ITM 692: Special Topics in Information Systems

Graduate level course presenting various topics of interest to IT and Operations Management students. Offerings have included introduction to systems theory, intelligent systems, programming techniques, and simulation modeling for IT management.

ITM510: Advanced Excel with Visual Basic for Applications

ITM520: Database Management

ITM331: Business Application Development

ITM333: Software Development for Business

These four courses are intensive tool instruction for undergraduate and graduate students in software tools and technologies, including Microsoft Access, SQL, Microsoft Excel, Visual Basic and Java. Integrated professional programming methods, analysis techniques and documentary standards into introductory courses to improve quality and consistency of student assignments.

EDUCATION

Ph.D., Information Science, University at Albany, State University of New York, 2002. Dissertation Title: “Modeling the Dynamics of Organizational Knowledge”, supervised by Prof. Peter J. Duchessi. Received University at Albany’s Distinguished Dissertation Award.

Master of Public Policy, Harvard University, Cambridge, MA, 1981. Awarded Kennedy School Fellowship.

B.A., Economics, *Magna cum Laude*, Brooklyn College, Brooklyn, NY, 1979. Minor in Computer Science. Awarded Adam Smith Medal as leading graduate in department.

PROFESSIONAL DEVELOPMENT

“XSEDE Big Data Introduction”, 15 contact hours (2019)

“Tackling the Challenges of Big Data”, MIT, online course, 45 contact hours (2014)

“Leaders for a New Climate”, MIT, in-person course, 16 contact hours. Preparation for facilitation of C-Roads and World Climate Exercise simulations. (2012)

Ongoing professional development seminars, Institute for Teaching, Learning, and Academic Leadership, UAlbany (periodic)

PROFESSIONAL EMPLOYMENT

CENTER FOR TECHNOLOGY IN GOVERNMENT

1994 - 1995

University at Albany

Led implementation of GIS prototype and groupware test bed projects for internationally recognized research center.

INDEPENDENT CONSULTANT, Albany NY 1991 - 1993

Representative engagements include implementation strategist, groupware architect/developer project reviewer and lecturer.

THE SOFTBRIDGE GROUP, Cambridge, MA 1990 -1991

Director of Systems Development, Marsoft Division

Led 10 member development staff supporting design, development, and maintenance of decision support tools used in maritime futures trading.

AMERICAN MANAGEMENT SYSTEMS, INC., New York City, NY 1981 - 1990

Principal

Directed 60+ staff years of systems design and development services to public- and private sector clients. Was responsible for business systems analysis, implementation, testing, and strategic planning.

PROFESSIONAL ORGANIZATIONS AND CERTIFICATIONS

Member: ACM (Senior Member since 2016), System Dynamics Society, ICCP, Beta Gamma Sigma, IIBA

C.C.P., C.D.P., Institute for the Certification of Computer Professionals.