

Arman Sadreddin

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Education

- Ph.D., Management Information Systems, Queen's University Sept. 2016 - Present
Supervisor: Yolande Chan
Course Work: Statistics, Entrepreneurship and Innovation, Research Development, Contemporary Issues in Strategic Management, Emerging Topics in MIS, Advanced Topics in the Evaluation of IS
- M.Sc., Management Information Systems, Queen's University Sept. 2015 - Aug. 2016
Supervisor: Yolande Chan
Thesis: "The Role of Emerging Digital Technologies in start-ups' ecosystems"
Summary: The research will focus on the role of digital technologies (i.e., SMACIT technologies) in collaborations between university incubators and start-ups. It will shed light on the use of IT resources to improve start-ups performance.
Course Work: Foundations of MIS I & Foundations of MIS II, Statistics, Information Systems Development, Research Methodology, Experimental Research Method Design, Qualitative Research Method Design, Survey Research Method Design
- M.A.Sc., Quality Systems Eng., Concordia University Jan. 2013 - August 2015
Supervisor: Andrea Schiffauerova
Thesis: "The Impact of Applying Open Innovation Practices on Performance of Firms in Nanotechnology Industry"
Summary: Designed an online survey for targeted scientists in nanotechnology industry, applied statistical survey data analysis, used System Thinking & System Dynamics approach to simulate the model and proposed policies.
Course Work: Total Quality Methodologies in Engineering, Project Management, Product Design & Methodology, Advanced Statistical Approaches to Quality, Logistic Network Models, Systems Thinking for Organizational Strategy and Sustainability (Audited-Instructor: Dr. J. Struben, Desautels Faculty of Management, McGill)
- B.Sc., Industrial Eng., Isfahan Univ. of Tech., Iran Sept. 2008 - June 2012
Supervisor: Jamshid Parvizian
Final Project: "Analyzing the Level of Underground Water and Population Growth in Central Part of Iran Using System Dynamics Approach"
Summary: Modeled and simulated the level of underground water resources and population growth in central part of Iran, using System Dynamics approach and made policies which otherwise would result in water shortage within the next 15 years.

Research Interests

- Digital Technology, Digital Transformation, Digital Strategy, Open innovation, Systems design, System dynamics & Systems thinking

Publications

- Sadreddin, A., Chan Y.E. "Information Technology Infrastructure Measurement", ASAC, Montreal, Canada. 2017
- Sadreddin A., "Achieving Productive Electronic Brainstorming: A Literature Review" ASAC, Edmonton, Canada. 2016

- Sadreddin A., Schiffauerova A., “The Impact of Open Innovation on Firms’ Performance in the Nanotechnology Industry” Proc. World Open Innovation Conference, University of California, Berkeley, USA. 2015
- Sadreddin A., Schiffauerova A., “Open Innovation – The Case of Canadian Nanotechnology Industry” Proc. 11th International Industrial Engineering Conference, Quebec City, Canada. 2015
- Maghrabie H., Sadreddin A., Schiffauerova A., ”Healthcare System Process Improvement: A Systems Engineering Approach” WIP Paper, Proc. 2015 Summer Simulation Multi-Conference, Chicago, USA. 2015
- Sadreddin A., Shahidi Nejad H., Schiffauerova A., “Principal Component Analysis on Average Retail Price of Electricity - Case Study” Poster Presentation, Canadian Mathematical Society Winter Meeting, Hamilton, Canada. **Winner of Best Poster Award.** 2014
- Sadreddin A., Parvizian J., “The crises of water and population: The case of central Iran”, Proc. 30th international Conference of the System Dynamics Society, St.Gallen, Switzerland. 2012

Conference Papers under Review

- Sadreddin, A., Chan Y.E. ”The Future of Digital Platform Ecosystems: The Role of Blockchain Technology”, ICIS (International Conference on Information Systems), Seoul, South Korea. 2017

Talks

- “Open Innovation Practices in Nanotechnology Sector”, S.Net Conference, Society for the Study of Nanosciences and Emerging Technologies, Montreal, Canada. 2015
- “Analysis of open innovation practices within the collaborative network of nanotechnology firms in Quebec”, 82nd Congress of ACFAS, Montreal, Canada. 2014

Journal, Conference Reviews

- Journal of Management
- Administrative Sciences Association of Canada Conference (ASAC), ASAC 2016
- European Conference on Information Systems (ECIS), ECIS 2017
- International Conference on Information Systems (ICIS). ICIS 2017

Honors & Awards

- Queen’s School of Business Fellowship - Queen’s University 2015 & 2016 & 2017
- Social Innovation Bootcamp - 3rd Place Winner - Queen’s University 2015
- Canadian Mathematical Society President’s Award 2014
- Graduate Student Fellowship - Concordia University 2013 & 2014
- Partial Tuition Scholarship for International Students - Concordia University 2013
- Lifetime Membership of Golden Key Society (Top-performing graduate students) - Concordia Univ. 2013

Research & Teaching Experience

Research Assistant, Queen’s University, Canada Jan. 2016 - Present

- Supervisor: Yolande Chan
- Topic: Innovation through IT Transformation

Research Assistant, Concordia University, Canada Jan. 2013 - Aug. 2015

- Supervisor: Andrea Schiffauerova
- Member of a Research Team in “Partenariat pour l’Ouverture de l’Innovation dans les Nouvelles Technologies” (POINT) - Open Innovation

Research Supervision:

- Supervised the project of seven graduate students, Concordia University Summer 2014

Teaching Assistant:

- Business Decision Models, Queen's University Fall 2015 & 2016 & 2017 & Spring 2016 & 2017
- Facilities Design & Material Handling Sys., Concordia University Fall 2013 & Fall 2014
- Total Quality Project Management, Concordia University Summer 2014
- Motion & Time Study, Isfahan University of Technology Fall 2011 & Winter 2012

Responsibilities: Designing Assignments, Holding Office Hours, Marking Assignments, Exams & Projects, Class Tutoring, MSP Software Tutoring.

Lecturer

- System Dynamics - Graduate Level, Isfahan University of Technology Fall 2012

Academic Projects & Research

- Team Member, SHS Healthcare Student Competition 2015
- Principal Component Analysis on Average Retail Price of Electricity 2013
- Logistic Network Model of a Fruit Distribution Company in Quebec 2013
- Implementing Six Sigma in Ball-Mill Factory 2013
- Design an Online Software App. that Assists Users for Parking, EBD Methodology 2013
- Feasibility study on using RFID systems for paying in Tehran Subway 2012

Computer Skills

- System Dynamics: Vensim, i-Think, STELLA
- Statistical & Quality Control: R, SPSS, Minitab, MATLAB
- Project & Process Management: MSP, Primavera
- Operations Research: Lingo
- Facilities Planning: Expert Choice, ALDEP, Planet, Craft, Microsoft Visio
- Simulation: FlexSim, Arena, Enterprise Dynamic
- Designing: Catia
- Microsoft Office: Microsoft Word, Excel, PowerPoint, Access

Work Experience

- Smith School of Business Graduate Society Member, Queen's Univ. 2017-2018
- Grad. Student Rep., Library Advisory Committee, Queen's Univ. 2016-2017
- Art Media & Augmented Reality District 3 Innovation Center, Concordia Univ. 2013

“References are available upon request”