

Sadaf Ashtari
Curriculum Vitae
(Updated Dec 2019)

Department of Information Systems and Business Analytics
College of Business, California State University, Sacramento
6000 J Street, Sacramento, CA 95819
Tel: (916) 278-7102, **Email:** sadaf.ashtari@csus.edu

EDUCATION

- 2016 Ph.D. in Technology** (Technology and Professional Service Management)
Dissertation: How Nurses Perceive the Impact of Health IT Applications on Their Performance:
Examining the Organizational, Social, and Personal Factors
Eastern Michigan University, Ypsilanti, Michigan
- 2012 Business and Economic Courses**
University of Padova, University of Verona and University of Venice joint Ph.D. program, Italy
- 2010 M.A. in Information System Management**
Science and Research Azad University, Tehran, Iran
- 2007 B.S. in Information Technology Engineering**
Qazvin Azad University, Qazvin, Iran

PROFESSIONAL APPOINTMENTS

- 2017- Present Assistant Professor**
Information Systems and Business Analytics Department
California State University, Sacramento, Sacramento, California
- 2016- 2017 Visiting Assistant Professor**
Information Systems and Analytics Department
Miami University, Farmers School of Business, Oxford, Ohio
- 2014- 2016 Doctoral Fellow**
Research Assistant: Health Information Technology
Technology Expert: Faculty Development Center
Eastern Michigan University, Ypsilanti, Michigan
- 2013- 2014 Graduate Assistant**
Eastern Michigan University, Ypsilanti, Michigan
- 2010- 2011 Instructor**
Parand Azad University, Tehran, Iran

RESEARCH INTERESTS

Healthcare Information Systems, Business Analysis in Healthcare, Business Intelligence,
Computational Thinking, Data Warehousing and Data Mining, Machine Learning, Information
Technology Infrastructure Library (ITIL)

RESEARCH EXPERIENCE

Current Research

Healthcare Information Technology

- Patient experience-based Information Systems application for mitigation of genetic-disorder pain
- Integration of IT applications in healthcare and its impact on nurses' performance and satisfaction
- Gender differences in online emotional expression on Twitter
- Cloud Computing implementation issues in healthcare industry

Innovative Technology in Education

- Impact of game-based response system as a persuasive technology on students' perception of learning
- Impact of innovative teaching technologies on student engagement and the achievement gap in Information Systems courses
- Impact of mindfulness, energy level, and self-readiness activities on students' perceived engagement
- Impact of MakerSpace activities on student's perception of learning
- Effectiveness of cloud-based applications in higher education

Previous Research

- Benchmarked and evaluated different visualization methods such as PCA, Sammon's Mapping, Circular Segment, SOM, Clustergram, Parallel Coordinate, Star Glyphs, Pixel, Survey Plot over 5 given data sets (small, high dimensional, large, hard, and tough)
- Reviewed and analyzed the AVON ERP implementation failure
- Planned Strategic Information System (SIS) of Iran Post Company
- Performance evaluation of postal services using DEA, BSC, EFQM methods
- Research on effective criteria of social engineering in organization with Decision Making (DM) methods such as DEMATEL, TOPSIS and SAW
- Created Decision Support System (DSS) for repair and maintenance in production company

PUBLICATIONS

1. Ashtari, S., Taylor, J., & Lai, G. (2020). Systematic Review of Social Networking Support Groups for Genetic-Disorders Pain Management. *forthcoming Proceedings of the 53rd Hawaii International Conference on System Sciences (HICSS)*.
2. Ashtari, S., & Bellamy, A. (2018). Factors Impacting Use of Health IT Applications: Predicting Nurses' Perception of Performance. Accepted in *International Journal of Healthcare Information Systems and Informatics (IJHISI)*, *forthcoming*.
3. Ashtari, S., & Bellamy, A. (2018). Impact of Game-Based Classroom Response System as a Persuasive Technology on Students' Perception of Their Learning Experience: Case study of Information Systems course for Business Student. *Proceedings of the 49th Decision Science Institute Annual Meeting* (pp. 746-754).
4. Ashtari, S., Merrifield, E., Coleman, R. & Sparks, G. (2018). Designing an Experiential Learning Course Utilizing a Makerspace Tools. *Proceedings of the 3rd International Symposium on Academic Makerspaces (ISAM)* (pp. 87).
5. Ashtari, S., & Bellamy, A. (2017). Health IT Applications Impact on Nurses' Perception of Performance: Reviewing the Organizational and Personality Factors. *Proceedings of the 48th Decision Science Institute, Annual Meeting* (pp. 0541-05415).

6. Ashtari, S., & Eydgahi, A. (2017). Student perceptions of cloud applications effectiveness in higher education. *Journal of Computational Science*, 23, 173-180.
7. Ashtari, S. (2016). *How Nurses Perceive the Impact of Health IT Applications on Their Performance and Satisfaction: Examining the Organizational, Social, and Personal Factors*. (Doctoral dissertation). Retrieved from DigitalCommons@EMU Database. (Accession No. 695)
8. Ashtari, S., & Eydgahi, A. (2015, October). Student perceptions of cloud computing effectiveness in higher education. In *2015 IEEE 18th International Conference on Computational Science and Engineering* (pp. 184-191). IEEE.
9. Ashtari, S., Eydgahi, A., & Lee, H. (2015). Exploring Cloud Computing Implementation Issues in Healthcare Industry. *Proceeding of International Conference on Health Information Technology Advancement, ICHITA 2015*.
10. Ashtari, S. (2013). Book Review: I Know Who You Are and I Saw What You Did, by Lori Andrews. *Journal of Information Privacy and Security*, 9(4).
11. Toloie-Eshlaghi, A., & Ashtari, S. (2011). Assessment of social engineering effective criteria in the organization by DEMATEL method. *Elixir Management*, 37, 3707-3711.
12. Ashtari, S., & Poorebrahimi, A. (2010). Modeling Value Chain Related to ICT Services by NGN Technology in Iran. *Proceeding of Second International ASIA-ICIM Conference*.
13. Ashtari, S., & Nazemi, J. (2009). Sustainable Development via Value Based Management System- An approach based on Telecommunication of Iran. *Proceeding of the 5th International Joint Conference on INC, IMS and IDC-INC, IEEE*.
14. Ashtari, S., & Aflaki, S. (2009). Comparative Performance Evaluation of Media in Provinces of Iran with DEA method. *National Conference of Management and Economy of Media*.

FUNDED RESEARCH, HONORS AND AWARDS

- \$50,000 grant, Genentech, for Patient Experience-Based Information Systems Application for Mitigation of Genetic-Disorder Pain (PI) – 2019
- Probationary Faculty Development Grant (3 units course release and \$500), Office of Graduate Studies, Diversity Award Committee – 2019
- Travel Scholarship (\$750), Office of Research, Innovation, and Economic Development – 2019
- Faculty Research Incentive Grant (\$2500) – 2018
- Awarded (\$250) for STEM Teacher Development and Research – 2018
- Best Paper Award, Eastern Michigan University Graduate Research Conference – 2014
- Best paper prize, National Conference of Management and Economy of Media – 2009
- Top student at Science and Research Azad University, awarded merit scholarship – 2010
- Financial aid for Master's dissertation, Iran Telecommunication Research Center - 2010

TEACHING EXPERIENCE

California State University, Sacramento

- IT Strategy and Innovation (Graduate course) - Summer 2019
- Business Data Communication and Networking, Fall 2017, 2018, 2019, and Spring 2019

- Computer Information Systems for Management, Spring 2018, Fall 2019
- Introduction to Management Information Systems, Fall 2017, 2018

Miami University, Oxford

- Introduction to Computational Thinking for Business, Fall 2016, Spring 2017

INDUSTRY EXPERIENCE

May 2014-July 2014 **Fractl**, Delray Beach, Florida

Front-end Web Development (Summer Internship): Programming with HTML/ CSS/JavaScript for online projects

Dec 2012-Aug 2013 **Karina Mobile Solution Company**, Tehran, Iran

ICT Business Analyst: Implemented ITIL (Information Technology Infrastructure Library) to identify and analyze business processes; used project management methodologies to develop project plans, cost, and resources; created user and training documentation, and conducted formal training classes; used data and process modeling techniques to create clear system specifications for the design and development of system software.

Jul 2012-Dec 2012 **Iran Telecommunication Research Center**, Tehran, Iran

ICT Consultant: Studied new challenges of ICT regulatory framework in European Commission; surveyed EU directive and addressing new areas in ICT regulation in the project of framework codification in the context of IT in Iran.

Dec 2008-Jun 2011 **Iran Telecommunication Research Center**, Tehran, Iran

ICT Researcher: Involved in various projects such as: Cost Management of Next Generation Network (NGN); Performance evaluation model for postal services based on existing criteria; Mobile operators' interconnection challenges.

Dec 2006-Dec 2008 **ITMEN daily newspaper**, Tehran, Iran

IT Adviser and Head of mobile desk: Wrote articles about mobile network such as 3G, GPRS, EDGE, UMTS, HSDPA; wrote technical reviews of Nokia, Samsung, LG and Sony Ericson cell phones

COMPUTER AND PROGRAMMING SKILLS

- Programming languages: JavaScript, Python
- Web technologies: HTML, CSS, jQuery, Bootstrap, Power App
- Business Intelligence: Microsoft SQL server 2012, Visual studio 2010
- Statistics and data analysis: SPSS, MATLAB, R, Statgraphics, STATA, Minitab
- Data Visualization Tool: Tableau, Power BI
- Networking: Cisco Packet Tracer, Wireshark, NetSim
- Enterprise Resource Planning: SAP, Oracle
- Project management/collaborative tools: Feng Office, Trello, Chili Project, MS Project
- AI and Decision making: Mindstorm, LabVIEW, Expert choice
- Office tools: Microsoft Office, Libre Office (& Open Office), Prezi, Zotero
- Classroom Technologies: Panopto, iClicker, Smartboard, Canvas, Kahoot
- Databases: SQL: MySQL
- Modeling: RUP, UML

SERVICE TO PROFESSION

Departmental/University Service

- Search Committee for Associate Dean for Faculty Support - 2018-2019
- Search Committee for Tenure Track Faculty Position Decision Science - 2018-2019
- Research & Creative Activity Award Subcommittee - 2018-2021
- Part-time Appointment Committee - 2019-2020
- Part-time Evaluation Committee - 2019-2020
- FQ Appeal Committee - 2017-2018
- Continuous Improvement Committee - 2017-2019
- Affirmative Action/Equal Opportunity Representative - 2017-2020
- Research & Creative Activity Faculty Awards Reviewer and Panel Chair - 2018-2019
- Undergraduate Co-Advisor of MIS - Fall 2018-Present
- Undergraduate Team Mentor at Annual International Collegiate Business Strategy Competition (ICBSC) - 2018

Community Involvement

- Judge for Deloitte Startup event - 2019
- ICT Regional Advisory Meeting - 2018, 2019
- Sacramento Business Review Author/Reviewer - 2017-2018

Conference Reviewer and/or Session/Track Chair

- American Conference on Information Systems (AMCIS) - 2019
- American Medical Informatics Association Annual Meeting (AMIA) - 2018, 2019
- Decision Science Institute Annual Meeting - 2017, 2018
- Midwest Academy of Management – 2015

WORKSHOPS/ CERTIFICATES

California State University, Sacramento

- 2019 ACUE- The Association of College and University Educators and the American Council on Education- Certificate in Effective college instruction
- 2019 Certificate of Completion of Independent Improving Your Online Course (IYOC): (Statewide System)
- 2019 Aruba Mobility and Switching eLearning courses
- 2018 Collaborative Organization for Research Productivity and Sustainability (CORPS) Workshop
- 2018 Summer Teaching Institute Workshop
- 2018 Tableau Desktop I & II Accelerated Workshop
- 2017 Faculty Learning Community- Maker Spaces: Interdisciplinary Collaboration in Action
- 2017 Faculty Learning Community- Data Analytics: Scaling for Equity and Impact
- 2017 Faculty Scholarly Committee- STEM Teacher Development and Research

Iran Telecommunication Research Center

- 2012 Network Information Theory
- 2012 Reconsidering Research Methodology from the Viewpoint of Knowledge Promotion
- 2010 What Are the Promising Technologies for the Design of the Next Generation Cellular Phone?
- 2010 Introduction to Malware Conduct and the Collation Ways
- 2010 E-hospital and Telemedicine Symposium