

Tahereh Saheb

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EMPLOYMENT HISTORY

05/2016 – Present

Research Assistant Professor | Tarbiat Modares University, Management Studies Center

- Teaches graduate courses on knowledge management, and the enterprise architecture and road mapping of information systems
- Supervises three graduate students
 - Hassan Reza Gholi Lou, “Reducing Latency of stock market data processing by using Hadoop and Hive”, Successfully defended in May 2018
 - Marzie Azarakhsh “IoT adoption in healthcare industry for supply chain management” (ongoing)
- Principal investigator for the „ A strategic framework for e-government delivery services based on SMAC technologies in Utility Industry, “Research Group- (2018- present)
- Principal investigator for the „ IoT Business Ecosystem Model in Iran “Research Group-
- Managing the “IoT Big Data Applications in HealthCare Industry” Research group – Managing one PhD student and one Graduate Student (ongoing)
- Managing the “Fog Computing and Real Time Response Systems” Research Group- Managing two graduate students (ongoing)
- Successfully managed the project of „ indicators of science popularization “– Managed a group of 4 researchers, with a grant of 8 million Toman by Iran National Science Foundation (2016)
- Directing communication of the Center with the Banking, Oil and bio-pharmacy sectors
- Successfully managed a team of 10 people to produce an educational mobile app on water consumption for children, Tehran Water Treatment and Distribution Co, 2016.

05/2016 – Present

Co-Founder of Bio East Industry Co | Tarbiat Modares University, Science and Technology Park

- Member of a research team of 4 people invented an IoT based medical patch to monitor heart arrhythmia.

02/2016 – 10/2017

Part-time Lecturer | Tehran University

- Teaches graduate courses on online marketing and undergraduate course on e-commerce
- Co-Supervised two graduate students
 - Amir Jebeli, Adoption of Social CRM in Banking Industry (Defended Successfully in 2017)
 - Mohammad Seraj, Adoption of mobile payment among Iranian customers (Defended successfully in 2017)

06/2016 – Present

Part-time Lecturer | Bahar Business Schools

- Teaches digital marketing, SMAC technologies and business transformation courses (three rounds of 20 people) to executives and startups on weekends
- Founder and graduate director of IoT MBA at Bahar Business School, the program will start in July 2019

06/2016 – A One-Week Course

Visiting Lecturer | SPJain School of Global Management

- Taught a one-week course on enterprise architecture and road mapping of IoT and big data Projects

08/2015 – Present

Senior Part Time Advisor or Committee Member at various Industries, Startups, and Research Centers

- Senior of Advisor of INSF President on Science Socialization and Popularization. Founded the first Working Group on Science Popularization in Iran at INSF. (2016- 2017)
- Senior Advisor of Big Data Business Strategic Planning, Iran Telecommunication Research Center (2017- 2018)
- Advisor of Iran Transaction Exhibition and FABA Center, 2017-2018
- Committee Member of Iran Vice Presidency of Science and Technology, IoT working Group, 2017- Present

01/2009 – 04/2015

Teaching & Research Assistant | Rensselaer Polytechnic Institute

- Taught courses on introduction to STS, environment politics and professional leadership to undergraduate science and engineering students
- Research Assistantship for the "Digital Humanities Project" with Steve Breyman and Kim Fortun, Summer of 2014
- Research Assistantship, "International Project on Environmental Health: The Asthma Files" with Kim Fortun, Summers of 2011-2013
- Research Fellowship by the Council of Global Women Leaders, Environmental Protection Agency (EPA), Summer of 2010

04/2002 – 01/2009

Public Relations and International Expert | Tehran Water and Wastewater Co

- Content manager of the Company's website
- In charge of Digital Communications and Marketing Affairs
- Cultural Associate, United Nations Economic and Social Commission for Asia and Pacific and TPWW Joint Project, "Determining Tehran water consumption, July 2005- February 2006

EDUCATION

01/2009 – 05/2015

Rensselaer Polytechnic Institute | Troy, NY, USA

PhD: Science and Technology Studies

01/2009 – 05/2015

Rensselaer Polytechnic Institute | Troy, NY, USA

MSc: Science and Technology Studies

07/2001 – 05/2003

Allameh Tabatabayi University | Tehran, Iran

MSc: Communication Studies

079/1996 – 05/2001

Allameh Tabatabayi University | Tehran, Iran

BSc: Communication Studies

PUBLICATIONS (Books)

- SMAC technologies (Social, Mobile, Big Data, Cloud System) and Modern Digital Marketing Methods (, will be distributed by Fall 2018)
- Big data and IoT Architecture and Road mapping (Under Publication by Bahar Business School, will be distributed by Fall 2018)
- IoT and Smart City Governance, (Under publication by Tarbiat Modares University, Management Studies Center, will be distributed by Fall 2018)
- Hadoop Ecosystem and affiliated technologies (Under Publication by Faba Center, will be distributed Fall 2018)

PUBLICATIONS (Journals)

- Big Data Analytics in the Context of Internet of Things and the Emergence of Real-Time World: A Systematic Literature Review; *International Journal of High Performance Systems Architecture (In Press)*
- Mobile Health (mHealth) Applications and Self HealthCare Management: Perspective of Female Patients Living in Rural Areas of Iran, *Lecture Notes in Management and Industrial Engineering, Springer (In press)*
- Co-authored with Mohammad Hassan Zade, Javad Hatami, Mohammad Reza Farrokhnia & Saeed Latifi, "Teaching Science for Understanding: The Positive Impact of Simultaneous Use of Concept Mapping and Computer Simulations", *Innovating with Concept Mapping: 7th International Conference on Concept Mapping, CMC 2016, Tallinn, Estonia, September 5-9, 2016, Proceedings.*
- Co-authored with Andreas Brandner and Amir Sabour Tinat, "Tehran as an Eco- Knowledge City", *Conference paper at the Knowledge Cities World Summit 2016, Austria.*
- Fraud Detection and Big Data Technologies, *Electronic Banking Magazine, No 76.*
- Co-authored with Erik Bigrams, Brandon Costello-Kuehn, Jerome Crowder, Dan Price, Erich Schienke, Kim Fortun, Mike Fortun, "Experimental Ethnography Online: The Asthma Files," *Theorizing Production, Producing Theory.* Routledge.
- Co-authored with Erik Bigras, Brandon Costelloe-Kuehn, Jerome Crowder, Dan Price, Kim Fortun, Mike Fortun Heterogeneity in Asthma: Translational Profiling & Phenotyping. Series: *Advances in Experimental Medicine and Biology.* Springer.
- Co-authored with Mike Fortun, Kim Fortun, Brandon Costelloe-Kuehn, Daniel Price, Alison Kenner, and Jerome Crowder, "Asthma, Culture, and Cultural Analysis: Continuing Challenges", Springer Science+Business Media New York, 2013

- ICT, Education, and Digital Divide in Developing Countries, *Global Media Journal (GMJ)*, Spring 2005.
- Water Management and the Role of Media: Users' Perspective, *Global Media Journal*, Fall 2005.

PUBLICATIONS (Under Review)

- Convergence of fog computing and real-time response systems in IoT environments, under review at the *International Journal of Advanced Intelligence Paradigms*
- An Orchestrated Conceptual Enterprise Information Architecture for IoT Based Telemedicine Systems Employing the Cross Vertical Third Platform Technologies, under review by *Organizational Human Resource Management Research*
- Co-authoring with Leila Izadi, IoT and big data in healthcare: a survey, under review by *Journal of Medical Systems*
- Co-Author with Mehdi Ameri, Adoption of mobile healthcare apps based on the TAM model, under review by *International Journal of Human-Computer Studies*
- Co-Author with Masoud Shaygan, IoT business ecosystem model in Iran under review by *Strategy and Leadership*

Invited Talks and Conference Presentations

- Committee Member of IEEE 4th International Conference on Knowledge-Based Engineering and Innovation (KBEI), 2017.
- Big Data and Health Advanced Analytics, Challenges and Opportunities of Virtual World Conference, University of Social Welfare and Rehabilitation, 26th October 2016
- Big Data Architecture and Roadmap, Shahid Rajayi University, October 22, 2016
- Modern Technologies and Socialization of Science and Technologies, Science Popularization Workshop, Mashhad University, October 20, 2016
- Big Data and its opportunities at the Mid-Size Businesses, Industrial Management Institute, October 13, 2016
- "Social Technologies and Smart Citizens", Second Summit on Smart Cities, Tehran, Iran, August 2016
- "SMAC technologies and Transformation of Utilities in a Digital Economy", Annual Conference of Tavanir IT Managers, April 2016.
- "SMAC Technologies and Management and Marketing Transformations" School of Information System Management, Tarbiyat Modares University, February 2016
- Invited Speaker at Iran National Science Foundation, "Social and Mobile Technologies and Science Communication", November 2015
- Invited Speaker, Environmental Health Data Analysis, Pakistan & Iran, SUNY Albany Public Health School, October 2013, NY, US

AWARDS

- Honorarium for Hardworking and Work, dollars May 2013
- Environmental Policy Graduate Fellowship Program at the US Environmental Protection Agency awarded by the Council of Global Women Leaders, summer 2010.
- Award for Distinguished Graduate Student, funded by Ghobadian Foundation, Tehran, Iran, 2009
- Distinguished Public Relations Researcher among TPWWC and its twelve subsidiary PR employees, 2006.

- Distinguished Undergraduate Student, funded by Omid Salehan Foundation, Iran, 2009.
- Distinguished as the Highest Ranked Undergraduate Student among the class of 1997