

Shabnam Ebrahimi

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Education

PhD candidate, Alpen Adria Klagenfurt University, 2016-present
Major: Information Technology-Smart Systems Institute

Master of Engineering degree, University of Calgary & Sharif University of Technology, 2009-2011
Major: Civil Engineering-Project Management specialized for Oil and Gas Industry, Overall GPA: 3.50/4.00, Master's Thesis: Drastic Increase in the Cost of Commodities and its Influence on Implementation of Critically Important Projects; a Case study of Strategic Risk Management in Two Projects of South Pars Development Phase 6, 7, & 8 and Jam Petrochemical Complex

Master of Science degree, Amirkabir University of Technology (Polytechnic University), 2007-2009
Major: Electrical Engineering-Telecommunication-Information Communication Technology (ICT), Overall GPA: 14.23/20.00, Master's Thesis: Analysis and Simulation of Square Ring Microstrip Antenna with De-Segmentation Method using C++ Software

Bachelor of Science degree, Sadjad University of Technology, 2000-2004
Major: Electrical Engineering-Electronic, Overall GPA: 15.64/20.00, Bachelor's Thesis: Designing and Making of Infant Breath Sound Monitoring Device

Publication and Papers

- 1) Shabnam Ebrahimi, Maryam Fazlali, and Seyed Jamshid Hosseini, "Enhancement of Current Procedures and Policies of OHS System in Iran Subway Construction through Developing an Auditing Tool", International Conference on Innovation, Management and Service IPEDR vol.14, pp. 166-171, 2011, IACSIT Press, Singapore
- 2) Shabnam Ebrahimi, Marjan Bashiri, Narges Jamal, Seyed Jamshid Hosseini, Parviz Salehvand, Maryam Fazlali, "Strategic Comparison of Project Delivery Systems of BOT and BOOT types", 2nd International Strategic Project Management Conference, 2011, Tehran, Iran
- 3) Shabnam Ebrahimi, Maryam Fazlali, and Seyed Jamshid Hosseini, "OHS Standard Evaluation in the Subway Construction in Iran", International Journal of Social Science and Humanity vol. 2, no. 1, pp. 11-16, 2012
- 4) Maryam Fazlali, Shabnam Ebrahimi, and Seyed Jamshid Hosseini, "Analysis of Major Challenges to the Implementation of Oil, Gas, and Petrochemical Projects in Iran", International Conference on E-business, Management, and Economics ICEME vol.25, pp. 15-19, 2011, IACSIT Press, Dubai, UAE
- 5) Marjan Bashiri, Shabnam Ebrahimi, Maryam Fazlali, Seyed Jamshid Hosseini, Narges Jamal, Parviz Salehvand, "Analytical comparison between BOT, BOOT, and PPP project delivery systems", 6th International Project Management Conference, 2011, Tehran, Iran
- 6) Seyed Jamshid Hosseini, Shabnam Ebrahimi, and Maryam Fazlali, "Simulation of Mass Production Quality Control Line Optimization Using Symphony", International Conference on Economics Marketing and Management IPEDR Vol.28, pp. 12-16, 2012, IACSIT Press, Singapore

Teaching Experience

Invited Lecturer, Tehran Telecommunication University of Applied Science and Technology, 09/2012-01/2015 (4 Semesters)
Teaching Subject:

- Interface Circuits, AVR Microcontrollers & PLC (3 Units, 1 Class, 1 Semester)
- Electromagnetic Field and Wave (2 Unites, 6 Classes, 3 Semesters)

Lecturer, Non-governmental University of Payam Golpayegan, 01/2011-09/2012 (3 Semesters[†])

✓ Teaching Subjects:

- Logical Circuits (3 Unites, 1 Class, 1 Semester)
- Industrial Controllers (3 Unites, 1 Class, 1 Semester)
- Switching Power Supply (3 Unites, 2 Classes, 1 Semester)
- Linear Control System (3 Unites, 10 Classes, 3 Semesters)
- C Programming Language (2 Unites, 2 Classes, 1 Semester)
- Electromagnetic Field and Wave (3 Unites, 5 Classes, 2 Semesters)
- Electronic III/ Electronic Circuits (3 Unites, 3 Classes, 2 Semesters)
- Electronic I/ Electrical Circuits Analysis (3 Unites, 1 Class, 1 Semester)
- Programmable Logical Controllers/ PLC (2 Unites, 1 Class, 1 Semester)
- Supervisory, Control, and Data Acquisition/ SCADA (3 Unites, 2 Classes, 1 Semester)
- ✓ Supervising 18 Bachelor/ Undergraduate degree Final Theses
- ✓ Supervising over 20 internships of Bachelor/ Undergraduate degree students

Full Time Work Experience

Project Supervisory Expert, Ministry of Petroleum (MOP-NIOC), 03/2016-10/2016 (7 months)

Governmental company with a vast amount of oil and gas resources, is one of the world's largest oil companies.

Supervisory of all MOP subsidiaries projects

Prepare high level managerial reports

IT, Planning and Project Control Expert, National Iranian Gas Export Company (NIGEC) as one of the National Iranian Oil Company (NIOC) subsidiaries, 05/2013-03/2016 (34 months)

Governmental company responsible for whole Iran Gas Export Contracts

IT and telecommunication technical consultant case by case

Preparing energy and projects customized reports

Being the member of Azerbaijan gas swap, Armenia gas-electricity barter, and Iran LNG project team works

Telecommunication Engineer Expert, National Competition Committee, 01/2013-05/2013 (5 months)

Economical enterprise to confront exclusive procedures including discriminatory prices

Working in the technical and legal department, telecommunication section

Investigating related telecommunication technologies' prices, tariffs and all relevant tasks

Telecommunication Engineer Expert, Mobtakeran Ertebatat Paydar Company/Teyf Ertebat Jonoob Company, 09/2012-12/2012 (3 months)

One of the Research Telecommunication Companies in Iran

Working in the R&D department to develop new NGN protocols through programming

Studying about NMP (Network Management Protocol), SNMP (Simple Network Management Protocol), Traffic Generator Tools, SIP (Session Initiation Protocol), and SDP (Session Description Protocol)

Learning primary knowledge about software engineering, object oriented and socket programming, and etc

[†] Two last Semesters Full Time Faculty Member and One First Semester Invited Lecturer

Telecommunication Engineer & Commercial Expert, MobinNet Telecom Company, 04/2011-10/2011 (6 months)

The Biggest WiMax Provider in Iran

Being responsible for: Supervising EPC contracts of (ZTE and SAMSUNG) from technical and commercial point of view in direct cooperation with the project department and responsible for preparing official correspondences and MEMOs in this regard, Preparing A to Z of WiMAX modem purchase contracts with ZTE, HUAWEI, and SEOWON, and Preparing A to Z of WiMAX service contract with HUAWEI, SAMSUNG, and ZTE

Electrical Specialist and Project Manager, Yazd Energy Tavan Yekta Ltd. Company, 03/2009-05/2011 (26 months)

National Iranian Oil Company (NIOC) Subcontractor

Being responsible for: Direct engagement in purchasing approximate € 3,000,000.00 CNG equipment from Europe, supervision of three teams of five field members to install & startup of 68 Dresser type B CNG stations and the after sales maintenance in all over Iran, Purchasing of their bulk materials, Finalizing Syrian International Tenders, technical and commercial document via Sunnir Company in Iran (Tenders such as Arab Gas Pipeline Tender, Homs Refinery Tender, Banias Tender, and etc), and Finalizing project proposal and cash flow of phases 27 & 28 of South Pars

Electrical Specialist and Commercial Expert, HESA-Kowsar-National CNG Project, 03/2008-03/2009 (12 months)

National Iranian Oil Company (NIOC) Contractor

Being involved: In EPCM Gas Khodro Company contract of 850 CNG stations as CNG national Project, In the reverse engineering of the Ariel horizontal 1500 Nm²/h compressor (i.e. producing major parts, purchasing electrical and high technology devices, designing of its control panel and choosing an electronic motor instead of a gas motor with a suitable interface with the compressor), and Solution design, programming and integration of various companies systems in a united SCADA system for previous mentioned stations

Electrical Specialist as Sales and After Sales Engineer, Gilecor Ltd. Company, 06/2005-03/2008 (33 months)

Gilecor was representative of Metrolog, France- manufactures Downhole Memory Gauges

Being responsible for: Marketing, Performing commercial process, Training, Start-up, after sales services at oil and gas reservoirs, sites in all over Iran

Technical Support Engineer, Borna Electronic Company, 07/2004-03/2005 (8 months)

Manufacturing electrical and electronic devices such as rectifiers, inventors, convertors, and etc

Being responsible for: Cathodic protection design, preparing commercial and technical procedure of tenders, responses, calculating primary value of rectifiers, especially non-typical ones and yearly total price of products, performing second test of production line, and Preparing technical documents for new products

Training Courses

- Introduction to the international contract expressions, NIGEC Training Center-Tehran- Iran, 20 hours, Nov 9th to Dec 31st of 2014
- Excel application in financial reports, Noavaran Amoozesh Alborz-Tehran- Iran, 24 hours, Oct 20th to 22nd of 2014
- ICDL (word & excel), NIGEC Training Center-Tehran- Iran, 40 hours, June 21st to Oct 14th of 2014
- Negotiation technics, NIGEC Training Center-Tehran- Iran, 21 hours, Apr 24th to June 21st of 2014
- Planning and project control, NIGEC Training Center-Tehran- Iran, 40 hours, June 9th to 18th of 2014
- Organizational behavior management, Varesan Javid Sanaye-Tehran- Iran, 24 hours, June 1st to 3rd of 2014
- Knowledge management, NIGEC IT Department-Tehran- Iran, 4 hours, 25th Apr of 2014

- Reporting on English language, Industrial Management Organization-Tehran- Iran,30 hours, Aug 26th to Nov 25th of 2013
- Introduction to the Oil Upstream Industry, NIOC Training Center-Tehran- Iran,16 hours, Dec 9th to 10th of 2013
- General aspects of HSE management, NIOC Training Center-Tehran- Iran,24 hours, Dec 3th to 5th of 2013
- Automation organizational, NIOC Training Center-Tehran- Iran,8 hours, Dec 6th of 2013
- Importance of documentation in ISO project management, NIOC Training Center-Tehran- Iran,8 hours, Dec 2nd of 2013
- Organizational writing and official correspondences, NIOC Training Center-Tehran- Iran,16 hours, Nov 28th to 29th of 2013
- New models of organizational behavior, NIOC Training Center-Tehran- Iran,16 hours, Nov 25th to 26th of 2013
- Confidentiality of documents, NIOC Training Center-Tehran- Iran,15 hours, Nov 21st to 22nd of 2013
- Introduction to the oil industry, NIOC Training Center-Tehran- Iran,30 hours, Nov 17th to 20th of 2013
- Client satisfaction, NIOC Training Center-Tehran- Iran,8 hours, Nov 9th of 2013
- New performance evaluation system, NIOC Training Center-Tehran- Iran,5 hours, OCT 31st of 2013
- Supervision skills first level, NIGEC Training Center-Tehran- Iran,15 hours, Sept 24th to 26th of 2013
- Public speaking skills and presentation, NIGEC Training Center-Tehran- Iran,15 hours, Aug 26th to 27th of 2013
- Programmable Logic Controllers & SCADA Systems, IDC Technologies- Technology Training that Works- Australia, E-learning, 12 hours within 3 months, 20th Feb 2009
- Operation of Metrolog downhole electronic memory gauges, Metrolog Company-Toulouse- France, four working days in Toulouse, 36 hours, Oct 9th to 13th of 2006
- PLC II (Siemens) S7, Contronic Education Center-Tehran- Iran, 25 hours, May 21st to 24th of 2005
- PLC I (Siemens) S7, Contronic Education Center-Tehran- Iran, 25 hours, Feb. 12th to 15th of 2005
- PLC I (Siemens) S5, Contronic Education Center-Tehran- Iran, 36 hours, Jan 1st to 6th of 2005
- Design of various kinds of Low Power Trances, Borna Electronic- Shahr E Rey- Iran, 30 hours, circa Jan. 1st to Feb. 1st of 2005
- Cathodic Protection Design, Ghotb Sanat-Tehran- Iran, 30 hours, circa Sept. 1st to Oct. 1st of 2004
- Simple repair of various types of Televisions Main Boards, Pars Electric-Tehran- Iran, 20 hours, circa Jul. 1st to Aug. 1st of 2003

Language Skills

- Farsi, Persian (Native Speaker)
- English (Fluent/Highly proficient-spoken and written)
- French (Basic communication skills)
- German (Basic communication skills)

Computer Skills

- Programming languages: C, Python, Matlab
- Telecommunication software: MATLAB
- Software Engineering: Enterprise Architect
- SCADA and PLC software: Siemens software family (WINCC, S5, S7), Citect
- Electronic and Electrical software: MATLAB, Pspice, Orcad, Protel, Bascom
- Control Project and Project Management software: Primavera Project Management, Primavera Risk Analysis (Pertmaster), Symphony, and Microsoft Office Project
- Other software: Auto CAD, Adobe Photoshop, Adobe Acrobat Pro, EDIUS