



Dr. Amir M. Abdulghani

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Education

- Doctorate in Electrical & Computer Engineering, Imperial College London, UK, 2011.
- Master's in Electrical & Computer Engineering, University of British Columbia, BC, Canada, 2005
- Bachelor's in Electrical & Electronics Engineering (Distinction with Honors), Sultan Qaboos University, Oman, 2002 (Rank: 1st in the College)

Academic Experience

Assistant Professor, Department of Electrical and Computer Engineering, 2011-present
Chair, Information and Communication Technology Committee, CoE, SQU, 2012-2016
Acting Assistant Dean for Training & Community Service – College of Engineering (8th to 26th June 2014)
Lecturer, Department of Electrical and Computer Engineering, 2005-2007
Demonstrator, Department of Electrical and Electronics Engineering, 2002-2004

Non-Academic Experience

- Chair of: Media Comm., CoE, SQU, 2018-pres, Community Eng. & Pub. Comm., ECE, CoE, QU, 2017-pres
Information & Communication Technology Comm. (ICT), CoE, SQU, 2012-16
- Act. Asst. Dean, Ind. Training & Community Service, CoE, SQU, June 2014
- Member of: Smart City Group, SQU, 2017-pres, Space Tech. & App. Group, SQU, 2017-pres
HR Comm., ECE, SQU, 2018-pres, Ind. Train. & Alumni Comm., CoE, SQU, 2018-pres
Strategic plan. comm., ECE, SQU, 2014-16, Ind. Outreach Comm., ECE, SQU, 2014-16, 2017-pres
- Board Secretary, ECE, SQU, 2015-18

Certifications or Professional Registrations

- Fund. of Tech. Transfer 2018 • First Aid Training 2017 • Critical Think. Skills for 21st Century, 2015 & 2017 • ITU/ITSO Arab Regional Training: VSAT & Satellite Systems, TRA, Oman, 2016 • Renewable Energy Sources, 2016 • Satellite Comm. Services, Ministry of Telecom. Oman, 2015 • Solar Res. Assess., 2012 • Wind Res. Assess., 2012 • M. Tech., Imperial College 2008-09 • M. MBA, Imperial College 2008 • Level 2 Award: Health & Safety in Workplace, Chartered Inst. of Environ. Health, UK, 2008 • CISCO (CCNA) I & II, 2002

Current Membership in Professional Organizations

- Founder & Chair, IEEE Communication Soc. USA (Oman Chapter), 2016-pres.
- Senior Member, Institute of Electrical & Electronics Engineers (IEEE), USA
- Member: Smart Cities Res. Group, SQU, Oman, IEEE IoT Tech. Community, USA, IEEE Signal Proc. Society, USA, IEEE Young Prof., USA, IEEE Smart Cities, USA, IEEE Biometrics Council, USA, IEEE



Sensors Council, USA, IEEE Nanotech. Council, USA, IEEE Smart Grid Comm., USA, IEEE Broadcast Tech. Soc., USA, IEEE Council on RFID, Tech. & Eng. Management Tech. Comm.

Honors and Awards

Few imp. recognition(s) for outstanding performances in: Service to College & Community as Chair Community Engage. & Publicity Com. ECE, SQU, 2017

Services as Chair of ICT Com., CoE, SQU, 2015 By H.E. Dr. Rawiyah Al-Busaidiyah, Minister for Higher Education, Oman, 2009, By H.E. Dr. Ali Al-Bemani, 2009

Nomination: Royal Academy of Engg. UK's RAERsd Fellowship, 2008.

Best FYP Award, 2002, Best FDP Award, PDO, 2001, Continuously on Dean's list of Distinction, 1997-02

UK trip by HM Sultan Qaboos, 2001

Service Activities

As Chair of IEEE ComSoc Oman, Community Engag. & Pub. Com. ECE, SQU
Info. & Communication Technology (ICT), CoE, SQU

Media Com., CoE, SQU & member of several committees; I organized numerous events on diverse topics/programs including AI/Machine & Deep Learning, Certified Solid Works Assoc. Program, ANSYS Modeler, Satellites, Nanosat Program, IoT Tech. etc. I also participated as organizer for events such as: IEEE ICCCP'01&02, IEEE Conf. on Big Data & Smart City (Steering Committee Member)

Selected Publications

- Mohanan N, Ahmad A, Al-Busaidi S. S, Khiriji L, Abdulghani A, Nadabi M. A. Use of Mathematical Morphology in Vehicle Plate Detection. Orient. Journal of Computer Science and Technology; 11(4), 2019, ISSN 0974-6471
- A. M. Ali and Amir M. Abdulghani, Development of efficient algorithm to detect and classify alpha activity in real-time EEG signal using LabVIEW for mental state detection, 8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC, 2017
- Neeraja Mohanan, Prof. Afaq Ahmad, Dr. Amir M. Abdulghani, Dr. Muhammed Al-Nadabi, Dr. Lazhar Khriji, Dr. Samir Al-Busaidi, A Brief Description of Pattern Recognition Techniques, " Imperial Journal of Interdisciplinary Research, Volume 2, No. 8, July. 2016, ISSN 2454-1362
- Amir M. Abdulghani, Alexander Casson, Esther Rodriguez-Villegas, Compressive sensing scalp EEG signals: implementations and practical performance, Special issue of the Journal of Medical and Biological Engineering and Computing, Springer Berlin / Heidelberg, pp. 1-9., 2011, ISSN 0140-0118

Professional Development Activities

Fundamentals of Technology Transfer by Jeff Skinner from UK, 2018

EU-GCC Energy Efficiency Workshop (EU-GCC), 2018

Training on DESIGNING COURSES FOR SIGNIFICANT LEARNING by Stewart Ross Ph.D. and Dee Fink & Associates 2018