



Abdulnasir Hossen

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Education

B.Sc., Electronics and Communications, Mosul University, Iraq, 1980
M.Sc., Electronics and Communications, Mosul University, Iraq, 1984
Dr. Eng. , Signal Processing, Ruhr-University Bochum, Germany, 1994

Academic Experience

Professor, Sultan Qaboos University 2013-
Associate Professor, Sultan Qaboos University, 2005-2013
Assistant Professor, Sultan Qaboos University, 1999-2005

Non-Academic Experience

Director of Communication and Information Research Center, SQU, 2017-
Assistant Dean of Undergraduate Studies, College of Eng., SQU, 2010-2016

Certifications or Professional Registrations

Current Membership in Professional Organizations

IEEE

Honors and Awards

2018 Awarded a 2-month research scholarship by DAAD (German Academic Exchange Service), University of Kiel, Germany.
2016 Awarded the Best Poster Award, 2nd International Conference on Advances in Obstetrics & Gynecology (ICAOG-2016), Oman.
2011 Received the Best Innovative Paper Award, International Conference on Soft Computing for Problem Solving (SoCPros), December 2011.

Service Activities

1. Organizing many workshops on IoT, Blockchain, FOSS, at SQU.
2. Collaborating with Omantel to open a new IoT lab at SQU.
3. Forming a research group in biomedical signal processing at SQU.



Selected Publications

1. A. Hossen, A. Barhoum , D. Jaju, V. Gowri, K. Al-Hashmi, M.O. Hassan, L. Al-Kharusi," Identification of patients with Preeclampsia from normal subjects using wavelet-based spectral analysis of heart rate variability", Technology and Health Care Journal, Vol. 25, 2017, pp. 641-649.
2. A. Hossen, D. Jaju, M. Al-Abri, H. Al-Sabti, M. Mukaddirov, M. Hassan, K. Al-Hashmi," Investigation of heart rate variability of patients undergoing coronary artery bypass grafting (CABG)", Technology and Health Care Journal, Vol. 25, 2017, pp. 197-210.
3. A. Hossen, M. Muthuraman, Z. AL-Hakim,J. Raethjen, G. Deuschl, U. Heute,"Discrimination of Parkinsonian Tremor from Essential tremor using statistical signal characterization of the spectrum of Accelerometer Signal", Journal of Bio-Medical Materials and Engineering, Vol. 23, 2013, pp.513-531.
4. Abdulnasir Hossen, "A Neural Network Approach for Feature Extraction and Discrimination between Parkinsonian Tremor and Essential Tremor", Technology and Health Care Journal, Vol. 21, 2013, pp. 345-356.
5. A. Hossen, Halil Oezer, Ulrich Heute," Identification of Sleep Stages from Heart Rate Variability using a Soft-Decision Wavelet-Based Technique" Elsevier Digital Signal Processing Journal, Vol. 23, 2013, pp.218-229.

Professional Development Activities

1. Chair of Organizing Committee of 4th Free and Open Source Software Conference, SQU , 11-12 Feb. 2019.
2. "Artificial Intelligence Research at the Communication and Information Research Center". A keynote speech at 3ICT2018: International conference On Innovation and Intelligence for Informatics, Computing and Technologies, Bahrain, 17-19 November 2018.
3. Research Visit supported by DAAD to University of Kiel, Germany, Summer 2018 & Winter 2019.