



Abdelsalam M. A. Elhaffar

Assistant Professor, Department of Electrical and Computer Engineering
College of Engineering, Sultan Qaboos University
P.O. Box 33, Al-Khod 123, Muscat, Sultanate of Oman
Telephone: (968) 24142533
Fax: (968) 24413454, E-mail: a.elhaffar@squ.edu.om

Education

Doctor of Science in Technology (D. Sc. Tec.), Electrical Engineering, Helsinki University of Technology, Finland, 2008.

Licentiate's of Technology (Lic. Tec), Electrical Engineering, Helsinki University of Technology, Finland, 2006.

Master of Science in Electrical Engineering (M.Sc.), University of Garyounis, Libya, 1999.

Academic Experience

Sultan Qaboos University, Department of Electrical & Computer Engineering, Oman, Assistant professor, 23/08/2015–now, Full-time

Sultan Qaboos University, *ibid.*, Visiting Consultant, 25.9.2014 – 24.8.2015, Full-time.

University of Benghazi (formerly Garyounis), Department of Electrical Engineering, Benghazi, Libya, Assistant professor, 17.9.2012 – 23.9.2014, Full-time.

University of Benghazi, *ibid.*, Lecturer, 17.9.2009 – 16.9.2012, Full-time.

Helsinki University of Technology, Department of Electrical Engineering, Finland, Post-Doc researcher, 1.9.2008 – 30.6.2009, Full-time.

Helsinki University of Technology, *ibid.*, Teaching Assistant, 16.10.2002 – 31.8.2008, part-time.

University of Benghazi (formerly Garyounis), Electrical Engineering Department, Libya, Assistant Lecturer, 17.9.2000 – 12.9.2002, Full-time.

University of Benghazi, *ibid.*, Teaching assistant, Libya, 1.5.1994 – 16.9.2000, Full-time.

Non-Academic Experience

Al-Nasr Company for industrial equipment. Benghazi, Libya, Consultant, 17.9.2009 – 30.8.2011, Part-time.

General Electricity Company of Libya (GECOL), Consultant, 3.9.2000-12.9.2002, Part-time.

General Electricity Company of Libya (GECOL), Protection Engineer, 8.4.1989–1.5.1994, Full-time.

Certifications or Professional Registrations

IEEE senior member.

TEK, the Finnish Association of Graduate Engineers.

II-Class Senior Authorized Person (Electrical)- GECOL.

Current Membership in Professional Organizations

IEEE senior member.

Honors and Awards



N/A

Service Activities

Electric Safety Workshop, 5-7 Nov. 2018, SQU.

Accreditation committee, member, 2016-now, ECE, SQU.

Final year projects committee, member, 2016-now, ECE, SQU.

Electrical Power Fundamentals workshop for Rural Areas Electricity Company (RAECO), ECE, SQU, April, 2016.

Selected Publications

1. Abdelsalam Elhaffar, Hisham M. Soliman, Majid Al-Harhi, Abdullah Al-Butaini, Salim Kashoub, "Voltage Control in Oman Power System using Minimal Tap-Changing Transformers".

GCCPOWER2018-PROCEEDINGS, 14th GCC-CIGRE International Conference GCC POWER 2018, Kuwait, Nov. 2018.

2. Saad M. Saad, Naser El Naily, Jamal Wafi, Faisal A. Mohamed and Abdelsalam Elhaffar, "Power Quality and System Stability Impact of Large-Scale Distributed Generation on the Distribution Network: Case Study of 60 MW Derna Wind Farm", in Book: "Stability Control and Reliable Performance of Wind Turbines" editor: K. E. Okedu, IntechOpen, ISBN: 978-1-78984-147-3, pp:39-57, Oct. 2018.

3. Tahir, A., Elhaffar, A., Sudhoff, S., and Pekarek, S. 'Performance Evaluation of a Tape-Wound Core Transformer using Meta-Model Based Scaling Laws. International Journal of Computing and Digital Systems, 6, Nov-2017, pp. 339-348.

4. Mohammed AL-Mahrooqi, Mahnd AL-Yaqoubi, Haitham AL-Ghafri, Mohammed AL-Saadi, Hisham Soliman and Abdelsalam Elhaffar, "Simulation of Distance Protection for Parallel Transmission Lines", 9th IEEE-GCC Conference and Exhibition, Al-Manama, Bahrain, May, 2017.

5. Saad. M. Saad, Naser El Naily, Jamal Wafi, Abdelsalam Elhaffar and Nasser Husseinzadeh, "Adaptive Overcurrent Protection to Mitigate High Penetration of Distributed Generation In Weak Distribution Systems", 2017 9th IEEE-GCC Conference and Exhibition, AL Manama, Bahrain, 8-11 May, 2017.

Professional Development Activities

1. 14th GCC-CIGRE International, GCC POWER, 11-13 Nov. 2018, Kuwait.

2. Workshop: "Alternative Instructional Strategies" May, 18th, 2017, SQU, Oman.

3. 9th IEEE-GCC Conference and Exhibition, Bahrain, 8-11 May, 2017.