



Ibrahim A. Metwally

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Education

Ph.D., High-Voltage Eng., Mansoura University, Egypt in collaboration with Cardiff University, Cardiff, Wales, UK, 1994.

M.Sc., High-Voltage Eng., Faculty of Engineering, Mansoura University, Egypt, 1990.

B.Sc. (EE.), Electrical Eng., Faculty of Engineering, Mansoura University, Egypt, 1986.

Academic Experience

Professor, ECED, College of Engineering, Sultan Qaboos University, Oman, 2008-present.

Associate Professor, ECED, College of Engineering, Sultan Qaboos University, Oman, 2002-2008.

Visiting Professor, University of the Federal Armed Forces, ET7, Munich, Germany, 2000-2002.

Professor, Faculty of Engineering, Mansoura University, Egypt, 2004-present.

Associate Professor, Faculty of Engineering, Mansoura University, Egypt, 1999-2004.

Assistant Professor, Faculty of Engineering, Mansoura University, Egypt, 1994-1999.

Ph.D. Student and TA, Cardiff University, Cardiff, Wales, UK, 1992-1994.

Assistant Lecturer, Faculty of Engineering, Mansoura University, Egypt, 1990-1994.

Demonstrator, Faculty of Engineering, Mansoura University, Egypt, 1986-1990.

Non-Academic Experience

German Language Course, Goethe Institute, Prien, Germany, Oct. 4th, 2000 – Jan. 26th, 2001.

Program for the Preparation of University Instructors, Mansoura University, Egypt, Oct. 1991.

Certifications or Professional Registrations

Egyptian Engineers Syndicate, 1986-present

Current Membership in Professional Organizations

Alexander von Humboldt Foundation, Germany, Fellow, 2000-present.

IEEE, USA, Senior Member, 2004--present.

CIGRE Working Group WG 4.26 “Evaluation of Lightning Shielding Analysis Methods for EHV and UHV DC and AC Overhead Transmission Lines”, Technical Member, 2012-present.

Honors and Awards

MCF Intitut P', Universite de Poitiers, France, June -July 2012 & 2013

Alexander von Humboldt Foundation, Germany, Fellowship for highly qualified researchers, June -July 2012 & 2013, June -July 2009, July-Aug. 2007 & 2000-2002

Emerald Group Publishing Limited, Literati Network Awards for Excellence 2010



Egyptian Academy of Scientific Research and Technology: (1)The Late Prof. M. Khalifa's Prize in Electrical Eng., 2005 & 1999, and (2) State Prize in Eng. Science, 2004 & 1998

Service Activities

Prof. Metwally was the PI for 7 external grants from Rural Areas, Muscat, Mazoon, Majan, and Oman Electricity Transmission Companies with a total amount of one million USD, 2009-2015. Through these grants, 14 focused training workshops were organized and a new lab was established, which is equipped with TERCO Power System Simulator for hands-on training.

Editor-in-Chief of The Journal of Engineering Research, 2016-present.

Selected Publications

- [1] M. Eladawy, and I.A. Metwally, "Design and Performance Analysis of Single-Phase Pre-saturated Core Fault Current Limiters", IEEE Transactions on Power Delivery (PWRD), Vol. 33, No. 6, pp. 2603-2612, 2018.
- [2] I.A. Metwally, M. Eladawy, and E. A. Feilat, "Online Condition Monitoring of Surge Arresters Based on Third-Harmonic Analysis of Leakage Current," IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 24, No. 4, pp. 2274-2281, August 2017.
- [3] I.A. Metwally, "Measurement of High Pulsed Currents Through Plates by Novel Linear Side-Looking Coils," IEEE Sensors Journal, Vol. 17, No. 16, August 15, pp. 5050-5059, 2017.
- [4] I.A. Metwally, P. Leblanc and T. Paillat, "Behavior of electrical double layer under oil flow and voltage application inside a capacitive sensor", IET Science, Measurement & Technology, Vol. 9, No. 3, pp. 335-343, April 2015.
- [5] I.A. Metwally, P. Leblanc and T. Paillat, "Streaming electrification dynamics in the multilayer sensor", IEEE Transactions on Power Delivery (PWRD), Vol. 29, No. 1, pp. 168-177, February 2014.

Professional Development Activities

- 1) "Critical Thinking Skills for the 21st Century" 16 May 2017.
- 2) "Alternative Instructional Strategies" 18 May 2017. Conducted by Nikos Mourtos, San Jose State University in Cooperation with CoE, SQU.
- 3) Power System Harmonics, 14-15 Oct. 2015.
- 4) Power System Harmonics, 14-15 Oct. 2015.
- 5) Electrical Power Quality, 8-12 June 2014.
- 6) Electrical Power System Modeling & Analysis, 2-6 Feb. 2014.
- 7) Medium and High Voltage Switchgear, 9-13 Feb. 2014.
- 8) Seminar on "Flow Electrification in Electric Power Apparatus and Pipelines", University of Poitiers, Poitiers, France 2011.