

DR. MARWA M. ZAHARAN*Assistant Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

| <i>Degree</i> | <i>Field of Study</i> | <i>Institution</i> | <i>Year</i> |
|---------------|------------------------|------------------------------|-------------|
| PhD | Electrical Engineering | Alexandria University, Egypt | 2009 |
| MS | Electrical Engineering | Alexandria University, Egypt | 2004 |
| BS | Electrical Engineering | Alexandria University, Egypt | 2000 |

Academic Experience

| <i>From</i> | <i>To</i> | <i>Institution</i> | <i>Rank</i> | <i>Title</i> <i>(Chair, Full or Coordinator, etc.)</i> | <i>Part Time</i> <i>or</i> |
|-------------|-----------|------------------------------------|-----------------------|---|-------------------------------|
| 2000 | 2001 | Alexandria University | Demonstrator | | Part Time |
| 2001 | 2004 | Alexandria Institute of Technology | of Demonstrator | | Full Time |
| 2004 | 2004 | Alexandria Institute of Technology | of Teaching Assistant | | Full Time |
| 2006 | 2008 | North Carolina State University | Research Assistant | | Full Time |
| 2008 | 2008 | Pharos University | Teaching Assistant | | Full Time |
| 2009 | 2012 | Pharos University | Assistant Professor | | Full Time |
| 2012 | Date | King Abdulaziz University | Assistant Professor | | Full Time |

Non Academic Experience (including Consultations)

| <i>From</i> | <i>To</i> | <i>Company/Entity</i> | <i>Title</i> | <i>Position</i> <i>(Brief)</i> | <i>Description</i> | <i>Full or</i> <i>Part Time</i> |
|-------------|-----------|-----------------------|--------------|-----------------------------------|--------------------|------------------------------------|
|-------------|-----------|-----------------------|--------------|-----------------------------------|--------------------|------------------------------------|

Funded Research Projects and Patents from the Past Five Years

1. "A Roadmap Towards The Green Wireless Networks Via Radio Over Fibre Communication," Distinct Research Study Funded By The Deanship of Scientific Research (DSR) Under Grant no. (1434), King Abdulaziz University, Jeddah.
2. "A Novel Performance Analysis of The Micro Strip Antenna Printed on a Cylindrical Body," Distinct Research Study Funded By The Deanship of Scientific Research (DSR) Under Grant no. (965-302-D1435), King Abdulaziz University, Jeddah.

Certifications and Professional Registrations

1. Registered Professional Engineer In Egypt

Current Membership in Professional Societies and Organizations

| <i>Society/Organization</i> | <i>Rank</i> | <i>Member Since</i> |
|--|-------------|---------------------|
| 1. International Association of Engineers, IAENG | Member | 2012 |
| 2. Institute of Electrical and Electronics Engineers, IEEE | Member | 2012 |

Honors and Awards

1. February 2012 “CPD Program Award”
Selected As one of The Ranked Staff Members To Participate In CPD Program In Teaching and Learning, offered By The Institute of International Education.
2. June 2011: “Highest Ranked Staff Member Award”
Selected As one of The Highest Ranked Staff Members In Pharos University Questionnaire During The Academic Year 2010-2011.
3. July 2009 “Best Paper Award”
The Paper Has Been Selected As “Best Paper” Based on The Reviews of The Original Submission, The Camera-ready Version, and The Presentation During The fourth International Conference on Digital Telecommunications, ICDT 2009, July 20-25, 2009-Colmar, France.
“Serial Concatenation of LDPC and Turbo Codes for GPRS System Under Different Fading Channels”

Institutional and Professional Services *(administration, committees, units, etc.)*

1. Academic Advisor, More Than 40 BS Graduates From The Electrical Engineering Dept., Pharos Univ.
2. Academic Advisor, 17 Students From The Electrical and Computer Engineering Dept., KAU Univ.

Principal Publications/Presentations from the Past Five Years

1. E. Hassan, T. Rahman, Amr M. Mahros, Marwa M. Tharwat, and M. Zakaria. “Adaptive Tumbling Bacterial Foraging Optimization for Sustainable Economic Load Dispatch” Recent Advances in Circuits, Systems and Automatic Control. CSECS 2013, December 10-12, 2013, Budapest, Hungary.
2. Amr M. Mahros and Marwa M. Tharwat. “Implementation of a Radio-Over-Fiber ofDM Communication System in the SIMULINK Environment.” Recent Advances in Circuits, Systems and Automatic Control. CSECS 2013, December 10–12, 2013, Budapest, Hungary.
3. Amr M. Mahros, Iman El-Zahaby, Marwa M. Tharwat, and S. Elnoubi. “Beamforming Processing for ofDM Communication Systems.” Innovations on Communication Theory. INCT 2012, October 3-5, 2012, Istanbul, Turkey.
4. Marwa M. Tharwat, S. Elnoubi, and M. Amr Mokhtar, “Serial Concatenation of LDPC and Turbo Codes for GPRS System Under Different Fading Channels,” The Fourth International Conference on Digital Telecommunications, ICDT 2009, July 20-25, 2009, Colmar, France.

Recent Professional Development Activities *(Workshops, training, etc.)*

1. “ABET Accreditation for Better Teaching and Learning” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
2. “Assessment of Engineering Professional Skills” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
3. “Role of Instructors In The Accreditation Process” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
4. “Lab Experience” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, May 2014
5. Teaching Saudi Students, King Abdulaziz University, September 2013.