

DR. ADNAN M. AFFANDI

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	Electronics (Electronics & Comm.)	Kent University, Canterbury, England	1982
MS	Electronic Communications (Microwave)	Kent University, Canterbury, England	1978

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Full or Coordinator, etc.)</i>	<i>Part Time</i>
1989	1997	Department of Electrical and Computer Engineering, KAU		Chairman	Full Time
1994	Date	King Abdulaziz Univ.	Professor		Full Time

Non Academic Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
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Funded Research Projects and Patents from the Past Five Years

1. The Research Project, "Analysis & Fabrication of a broadband-Six Port Coupler-Steady State Analysis of Non Linear Solid State Static Power Converters," Sponsored By KAU. (completed)
2. Special Grant From King Abdulaziz City for Science and Technology, KACST, Design and Optimization of Inductive Power Links for Remote Powering of Biomedical Implantable Devices, 2014, Running

Certifications and Professional Registrations**Current Membership in Professional Societies and Organizations**

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
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Honors and Awards

1. Received Invitation To Join As Reviewer for Journals From The Foundation for Promotion of Basic and Applied Science.
2. Received Invitation To Be a Part of Sharing Expert Views on 2013 World University Ranking From QS Global Academic Survey.
3. Certificate of Merit From The former Dean of The Engineering College for Participating and Organizing The First Saudi Engineering Conference In 1403.
4. A Letter of Merit From His Excellency Prince Mageed Ben Abdul Aziz The Rule of Makkah Al-Mokarama Regarding The Power Cut In Power Plant In Western Province of Saudi Arabia (1990-996).

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

1. Delegate for The Electronic Department, for Kent University In The 9th European Microwave Conference, England, 1979.

2. Chairman of The IEEE Student Activities Committee, 1987
3. The Chairman of IEEE Inter Society Committee (1989).
4. Delegate for The King Abdul Aziz University In United Nations.

Principal Publications/Presentations from the Past Five Years

1. E. A. Soliman, A. M. Affandi and K. H. Badr, "Novel Microstrip Antenna Element and 2-by-2 Array for Satellite TV Receivers," *Microwave and Optical Technology Letters*, vol. 51, pp. 458-463, Feb. 2009.
2. Adnan Affandi, Mubashshir Husain and Navin Kasim "Optimization for Spherical Phased Array Antenna," *International Refereed Journal of Engineering and Science (IRJES)*, vol. 2, no. 2, pp. 54-80, Feb. 2013.
3. Adnan Affandi, Navin Kasim, and Mubashshir Husain "Converging Algorithm for Calculation of Elements Current That Include Effects of Mutual Coupling" *International Refereed Journal of Engineering and Science (IRJES)*, vol. 2, no. 3, pp. 43-53, Mar. 2013.
4. Adnan Affandi and Mubashshir Husain "Determining Pinpoint of Mobile Location in Global System for Mobile Communication Network (GSM)," *International Journal of Computational Engineering Research*, vol. 3, no. 3, Mar. 2013.
5. Adnan Affandi and Mubashshir Husain "Low Cost and Simple Management and Security System for Hospitals and Hotels," *International Journal of Computational Engineering Research*, vol. 03, no. 4, Apr. 2013.
6. Affandi and Mubashshir Husain "Unique and Low Cost Airport Multi-Application Control System" *International Journal of Computational Engineering Research*, vol. 03, no. 4, Apr. 2013.
7. Adnan Affandi and Mubashshir Husain "Frequency Selective (Tuning using Varactor Diode) Doppler Signal Detection using Negative Resistance Diode" *Invertis Journal of Science and Technology*, vol. 6, no. 3, pp. 140-149, 2013.
8. Adnan Affandi and Mubashshir Husain "Temperature and Bias Effect on Doppler Signal Detection using Negative Resistance Diode," *Invertis Journal of Science and Technology*, vol. 7, no. 1, pp. 1-7, 2014.
9. Adnan Affandi, Abdullah Dobaie and Mubashshir Husain "WAP-Mobile Personal Assistant Application" *International Journal of Modern Engineering Research (IJMER)*, vol. 3, no. 4, Pp-2048-2055, Jul-Aug. 2013.
10. Affandi Affandi, Mohammed Awedh, Mubashshir Husain and Ahmed Alghamidi "RFID and Face Recognition Based Security and Access Control System," *International Journal of Innovative Research in Science, Engineering and Technology*, vol. 02, no. 11, Nov. 2013.
11. Affandi Affandi, Othman Abdullah Saleh Al-Rusaini and Mubashshir Husain "A Unique Application to Reserve Doctor Appointment By using Wireless Application Protocol," *International Journal of Modern Engineering Research (IJMER)*, vol. 04, no. 2, Feb. 2014.
12. Adnan Affandi, Abdullah M. Dobaie and Mubashshir Husain "Digital Filters Design using Matlab with Graphical User Interface (GUI)," *Life Science Journal*, vol. 11, no. 5, pp. 336-348, 2014.

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