

**Dr. Wassim Zouch***Assistant Professor, Electrical and Computer Engineering Dept., King AbdulAziz University***Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Electrical Engineering	ENIS, Sfax, Tunisia	2010
MS	Electrical Engineering	ENIS, Sfax, Tunisia	2005
Engineer	Electrical Engineering	ENIS, Sfax, Tunisia	2004

**Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Full/ Part Time</i>
2004	2005	Sfax University, Electronics and Communications Institute of Sfax.	Lecturer.	Part Time
2005	2007	Gafsa University, Faculty of Sciences.	Lecturer.	Full Time
2007	2011	Sfax University. Faculty of Commerce.	Lecturer.	Full Time
2011	2012	Sfax University, Electronics and Communications Institute of Sfax.	Assist Prof.	Full Time
2012	-Present	King Abdulaziz Univ, Faculty of Engineering	Assist Prof	Full Time

**Non Academic Industrial Experience (including Consultations)**

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description</i>	<i>Full or Part Time</i>
2004	2005	SOTECA Electric Company	Engineer	Training Manager	Part Time
2010	2012	Excellence Engraving	Engineer	Design of electrical and LED advertising pannels	Part Time

**Certifications and Professional Registrations**

Since 2004	Registered Professional Engineer in Tunisia
2010	Certificate of Computer and Internet Skills

**Current Membership in Professional Societies and Organizations**

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1. IEEE, Tunisia section	Member	2009
2. ATMS Research Group, Sfax, Tunisia “Advanced Technologies for Medicin and Signals”	Senior Member	2004
3. APREV, Tunisia “Association of Research and Higher Virtuel Education Promotion”	Member	2009

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

1. Academic Advisor for Master and PhD students, Sfax University, Tunisia, 2007-present
2. Academic Advisor and senior design project Supervisor, King Abdulaziz Univ, 2012-present.
3. Member of King Abdulaziz Univ. Senior projects Committee, 2012-present.
4. Member of King Abdulaziz Univ. Program Committee, 2012-present
5. Program Committee Member of the IEEE Second International Image Processing, Applications and System Conference, IPAS'2016, IPAS'2018

### **Principal Publications : Journal paper**

1. Trigui, W Zouch, Mohamed Ben Slima, MB Messaoud, "Bispectral analysis-based approach for steady-state visual evoked potentials detection", *Multimedia Tools and Applications Journal*, April 2018
2. Trigui, W Zouch, MB Messaoud, "Hilbert-Huang Transform and Welch's Method for Motor imagery based Brain Computer Interface", *International Journal of Cognitive Informatics and Natural Intelligence*, July 2017
3. Trigui, W Zouch, MB Messaoud, "Anti-noise Capability Improvement of Minimum Energy Combination Method for SSVEP Detection", *International Journal of Advanced Computer Science and Applications* 7(9) · January 2016, DOI: 10.14569/IJACSA.2016.070953
4. J Boughariou, W Zouch, MB Slima, I Kammoun, AB Hamida, "High-resolution imaging-guided electroencephalography source localization: temporal effect regularization incorporation in LORETA inverse solution" *Journal. Electron. Imaging*. 24(6), 061204 (Nov 23, 2015).
5. J Boughariou, N Jallouli, W Zouch, MB Slima, AB Hamida "Spatial Resolution Improvement of EEG Source Reconstruction Using swLORETA", *IEEE Transactions on Nanobioscience* 14 (7), 734-739 (oct, 2015).
6. Imen BEN TRAD, Saber Dakhli, Hatem RMILI, Jean-Marie FLOCH, Wassim Zouch, and M'hamed DRISSI, "Planar square multiband frequency reconfigurable micro-strip fed antenna with koch island fractal slot for wireless devices", *Microwave and optical technology letters*, 57, N° 1, pp. 207-212, Jan 2015
7. O Trigui, W Zouch, MB Messaoud, "Frequency recognition based on the Inter-Battery Factor Analysis for SSVEP-based BCIs ", *Advanced Technologies for Signal and Image Processing (ATSIP)*, 2016

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

1. Trainer for Saudi Royal Navy Forces, Topic: Computer Skills, 2014.
2. Organisation and Scientific committee member of IEEE, International Conference On Advanced Technologies For Signal & Image Processing "ATSIP 2018"
3. Organisation and Scientific committee member of IEEE, International Conference On Advanced Technologies For Signal & Image Processing "ATSIP 2016"
4. Organisation and Scientific committee member of IEEE, International Conference On Advanced Technologies For Signal & Image Processing "ATSIP 2014"
5. Blackboard Basics training, Dec. 2017
6. Educational Quality Standards for developing Electronic Exams, Dec. 2017
7. MOOC, Massive Open Online Courses, Dec. 2017