DR. WASSIM ZOUCH

Assistant Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University

Education

Degree	Field of Study	Institution	Year
PhD	Electrical Engineering	ENIS, Sfax, Tunisia	2010
MS	Electrical Engineering	ENIS, Sfax, Tunisia	2005
Engineer	Electrical Engineering	ENIS, Sfax, Tunisia	2004

Academic Experience

From	To	Institution	Rank	Title (Chair, Coordinator, etc.)	Full or Part Time
2004	2005	Sfax Univ., Electronics and Communications Institute	Lecturer.		Part Time
2005	2007	Gafsa Univ., Faculty of Sciences.	Lecturer.		Full Time
2007	2011	Sfax Univ. Faculty of Commerce.	Lecturer.		Full Time
2011	2012	Sfax Univ., Electronics and Communications Institute	Assistant Professor		Full Time
2012	Date	King Abdulaziz Univ., Faculty of Engineering	Assistant Professor		Full Time

Non Academic Experience *(including Consultations)*

From	To	Company/Entity	Title	Position Description (Brief)	Full or Part Time
2004	2005	SOTECA Electric Company	Engineer	Training Manager	Part Time
2010	1012	Excellence Engraving	Engineer	Design of electrical and LED advertising panels	Part Time

Funded Research Projects and Patents from the Past Five Years

1. KAU Distinct Research Study "3D Electrical Brain Activity Localization," 2014

Certifications and Professional Registrations

1. Registered Professional Engineer In Tunisia (since 2004)
2. Certificate of Computer and Internet Skills (2010)

Current Membership in Professional Societies and Organizations

Society/Organization	Rank	Member Since
1. IEEE, Tunisia section	Member	2009
2. ATMS Research Group, Sfax, Tunisia "Advanced Technologies for Medicine and Signals"	Senior Member	2004
3. APREV, Tunisia "Association of Research and Higher Virtual Education Promotion"	Member	2009

Honors and Awards

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

1. Member of King Abdulaziz Univ. Senior Projects Committee, 2012-present.
2. Member of King Abdulaziz Univ. Program Committee, 2012

Principal Publications/Presentations from the Past Five Years

1. O. TRIGUI, W. ZOUCH and M. BEN MESSAOUD "Brain Computer Interface: Frequency Domain Approach using The Linear and The Quadratic Discriminant Analysis," ATSIP 2014, International Conference on Advanced Technologies for Signal & Image Processing, Sousse, Tunisia, Marsh, 17-19, 2014
2. O. GHRIBI, I. NJEH, W. ZOUCH, A. BEN HAMIDA and C. MHIRI "Method of Detection and Monitoring Multiple Sclerosis Evolution" ATSIP 2014, International Conference on Advanced Technologies for Signal & Image Processing, Sousse, Tunisia, Marsh, 17-19, 2014
3. J. BOUGHARIOU, W. ZOUCH, A. BEN HAMIDA "Introducing Time Component on LORETA Method for The EEG Inverse Problem" ATSIP 2014, International Conference on Advanced Technologies for Signal & Image Processing, Sousse, Tunisia, Marsh, 17-19, 2014
4. F. SAHNOUN, W. ZOUCH, I. KTATA, L. SALLLEMI and A. BEN HAMIDA "PGVF-ACM Automatic Segmentation of PET Images for Breast Cancer Characterization" ATSIP 2014, International Conference on Advanced Technologies for Signal & Image Processing, Sousse, Tunisia, Marsh, 17-19, 2014
5. J. BOUGHARIOU, W. ZOUCH, A. BEN HAMIDA "A Bayesian Approach for EEG Inverse Problem: Spatio-temporal Regularization," WSCAR2014, World Symposium on Computer Applications and Research,, Sousse, Tunisia, January, 18-20, 2014
6. J. BOUGHARIOU, W. ZOUCH, A. BEN HAMIDA, "Effect of Introducing Time Component on the EEG Inverse Problem," ICBR2013, International Conference on Individual and Collective Behaviors in Robotics, Sousse, Tunisia, Dec, 15-17, 2013
7. R. KHEMAKHEM, W. ZOUCH, I. KAMMOUN, M. Benslima, P. DERAMBURE, A. TALEB-AHMED, A. BENHAMIDA "Cortical Generators Localization in Electroencephalography using SSLOFO: Effect of Electrodes Configuration," Wulfenia Journal, Volume. 20, Issue. 3, March 2013
8. W. ZOUCH, M. BEN SLIMA, I. FEKI, P. DERAMBURE, A. TALEB-AHMED, A. BEN HAMIDA "Tree-dimensional Neuronal Brain Activity Estimation using Shrinking Smooth WMN-FOCUSS Method," Optical Engineering Journal, vol. 49, no. 11, Nov 2010.
9. R. KHEMAKHEM, W. ZOUCH, A. BEN HAMIDA, A. TALEB-AHMED and I. FEKI "An EEG Source Localization using the Inverse Problem Methods," International Journal of Computer Science and Network Security, 1738-7906 vol. 9 no. 4, APRIL, 2009.
10. J. BOUGHARIOU, W. ZOUCH, A. TALEB-AHMED, I. FEKI, A. BEN HAMIDA "sLORETA Approach for Solving the EEG Inverse Problem in Brain Localization Activity," ICMITA09, International Conference on Medical Imaging, from technologies to Applications, Tunisa 2009.

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

1. Organisation and Scientific Committee Member of IEEE, International Conference on Advanced Technologies for Signal & Image Processing "ATSIP 2014."
2. Trainer for Saudi Royal Navy forces, Topic: Computer Skills.