

Curriculum Vitae

Name: Dr Ali Hussein Al-Timemy (**Associate professor**)

Specialization: Biomedical Engineering/ Biomedical Signal Processing

Languages: Fluent in Arabic and English speaking, reading and writing

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Academic Qualifications

Certificate	College	University	Country	Year
PhD	Computing and Mathematics	Plymouth	UK	2013
MSc	Engineering	Nahrain	Iraq	2006
BSc	Engineering	Nahrain	Iraq	2003

Academic Career

Position	Faculty	University/ Country	Dated (from - to)
Associate professor	Al-Khwarizmi College of Engineering	Baghdad, Iraq	2017-till now
Fulbright Visiting Scholar	Engineering	University of Delaware, USA	June-Sept. 2018
Deputy head of the Biomedical Engineering Department	Al-Khwarizmi College of Engineering	Baghdad, Iraq	2016-2019
PhD student	Computing & Mathematics	Plymouth, UK	2009-2013
Lecturer	Al-Khwarizmi College of Engineering	Baghdad, Iraq	2009-2017
Assistant lecturer	Al-Khwarizmi College of Engineering	Baghdad, Iraq	2006-2009
Research assistant	College of Engineering	Nahrain, Iraq	2004-2005

Selected Publications (Journal papers only)

(Full List: <https://scholar.google.co.uk/citations?user=7O3wz-AAAAJ&hl=en>)

- **A H Al-Timemy**, NH Ghaeb, ZM Musa, J Escudero, Deep Transfer Learning for Improved Detection of Keratoconus using Corneal Topographic Maps, Cognitive Computation, 2021
- R Khushaba, E Scheme, **A H Al-Timemy**, A Phinyomark, A Al-Tae, A Long Short-Term Recurrent Spatial-Temporal Fusion for Myoelectric Pattern Recognition, Expert Systems with Applications 61, 114977, 2021
- R Khushaba, A Phinyomark, **A. H. Al-Timemy**, E Scheme, Recursive Multi-Signal Temporal Fusions with Attention Mechanism Improves EMG Feature Extraction, IEEE Transactions on Artificial Intelligence, 2020
- O.W. Samuel, M. G. Asogbon, Y. Geng, Y., **A H Al-Timemy**, S. Pirbhulal, N. Ji, S. Chen, P. Fang, and G. Li, Intelligent EMG Pattern Recognition Control Method for Upper-Limb Multifunctional Prostheses: Advances, Current Challenges, and Future Prospects. *IEEE Access*, 7, pp.10150-10165, 2019
- **A H Al-Timemy**, G Bugmann, J Escudero, Adaptive Windowing Framework for Surface Electromyogram-Based Pattern Recognition System for Transradial Amputees, *Sensors* 18 (8), 2402

- A Fernández, **A H Al-Timemy**, F Ferre, G Rubio, J Escudero, Complexity analysis of spontaneous brain activity in mood disorders: A magnetoencephalography study of bipolar disorder and major depression, *Comprehensive psychiatry* 84, 112-117,2018
- RN Khushaba, **A H Al-Timemy**, A Al-Ani, A Al-Jumaily, A Framework of Temporal-Spatial Descriptors based Feature Extraction for Improved Myoelectric Pattern Recognition, *IEEE Transactions on Neural Systems and Rehabilitation Engineering*,25(10), 1821-1831, 2017.
- RN Khushaba, **A H Al-Timemy**, S Kodagoda, K Nazarpour ,Combined influence of forearm orientation and muscular contraction on EMG pattern recognition, *Expert Systems with Applications* 61, 154-161, 2016
- GR Naik, **A H Al-Timemy**, HT Nguyen, Transradial amputee gesture classification using an optimal number of sEMG sensors: an approach using ICA clustering, *IEEE Transactions on Neural Systems and Rehabilitation Engineering* 24 (8), 2016
- **A H Al-Timemy**, RN Khushaba, G Bugmann, J Escudero, Improving the performance against force variation of EMG controlled multifunctional upper-limb prostheses for transradial amputees, *IEEE Transactions on Neural Systems and Rehabilitation Engineering* 24 (6), 2016
- **A. H. Al-Timemy**, G. Bugmann, J. Escudero, and N. Outram, "Classification of finger movements for the dexterous hand prosthesis control with surface electromyography," *IEEE Journal Biomed. Heal. Informatics*, vol. 17, no. 3, 2013.
- K. Nazarpour, **A. H. Al-Timemy**, G. Bugmann, and A. Jackson, "A note on the probability distribution function of the surface electromyogram signal," *Brain Res. Bull.*, vol. 90, pp. 88–91, 2013.

Awards and Certificates of Appreciation

Award/Certificate	details	Year
Visiting research scholarship	LAUM and ENSIM, Le Mans University	2022
Visiting research scholarship	Campus France and French embassy in Iraq Research scholarship	2022
Visiting research follow	University of Maine, France	March 2019
Letter of Appreciation	Minster of Higher Education and Scientific Research	2019
Fulbright Visiting Scholar	Fulbright organization and University of Delaware	2018
Letter of Appreciation	Minster of Higher Education and Scientific Research	2017
Letter of Appreciation	President of Baghdad University	2017
Letter of Appreciation	Dean of Al-Khawarizmi College of Engineering	2014-2017
Letter of Appreciation	Minster of Higher Education and Scientific Research	2014
Letter of Appreciation	Dean of Al-Khawarizmi College of Engineering	2014
Best Poster Award	The 2nd Postgraduate Conference for Computing: Applications and Theory (PCCAT),	2011
Letter of Appreciation	President of Baghdad University	2008

References:

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