

DR. RAMI A. AL-HMOUZ

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	Computer Engineering	UTS, Sydney, Australia	2008
MS	Computer Engineering	UWS, Sydney, Australia	2004
MS	Communication	Jordan Univ., Amman, Jordan	2002
BS	Electrical Engineering/Communication	Mutah Univ., Karak, Jordan	1998

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i> <i>(Chair, Full or</i> <i>Coordinator, etc.)</i>	<i>Part Time</i> <i>or</i> <i>Full Time</i>
2008	2011	Isra Univ.	Assistant Professor		Full Time
2011	Date	King Abdulaziz Univ.	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</i> <i>or</i> <i>Part Time</i>
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Funded Research Projects and Patents from the Past Five Years

- Grant no. (6-4-1432/HiCi). "Human-centric Signal Analysis and Interpretation: a Framework of Granular Computing." King Abdulaziz University (400,000 SR) (Finished)
- Grant no. (4-135-1434/HiCi). "System Modeling In a Distributed and Collaborative Environment of Big Data: Design Methodology and Algorithmic Developments." King Abdulaziz University. (300,000 SR) (Just Started)
- National Science, Technology and Innovation (NSTIP) Project. Multimodal Biometric System: a Wavelet and Computational (1,338,570 SR) (Accepted)
- King Abdulaziz General Projects. "Models of Time Series with Time Granulation." (66,000 SR) (Accepted)
- King Abdulaziz General Projects. "Description and Prediction of Time Series-a Framework of Granular Computing." (58,000 SR) (Accepted)

Certifications and Professional Registrations

- Registered Professional Engineer In Jordan

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
1. IEEE		

Honors and Awards

- Austrian Post Graduate Award APA (UTS).
- Dean Merit List In University of Western Sydney.
- Australian Provision Patent Number 2006904797. "Method and System of Identifying one Or More Features Represented In a Plurality of Sensor Acquire," 2006.

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

1. Member of NCAAA Committee, 2012-present. King Abdulaziz Univ.
2. Coordinator of Strategic Projects In Faculty of Engineering, (2012)
3. Member of Strategic Planning Committee In Faculty of Engineering, (2012).
4. Part Time Consultant To Vice President of Development.

Principal Publications/Presentations from the Past Five Years

1. Maen Takruri,, Rami Al-Hmouz and Ahmed Al-Hmouz, "A Three-level Classifier: Fuzzy C Means, Support Vector Machine and Unique Pixels for Arabic Handwritten Digits," To Appear: Proceeding International Conference on Computer Vision and Image Analysis Applications (ICCVIA' 2014), Ras Al Khaimah, UAE. 25-27 March.
2. Alaa M. Alturki, Abdulaziz M. Al-Ghamdi, Khaled Daqrouq and Rami Al-Hmouz, 2014. Application of ECG Arrhythmia Classification By Means of Bayesian Theorem. Journal of Applied Sciences, 14: 165-170.
3. Rami Al-Hmouz, Mohammed Momani, Maen Takruri, Trust and Reputation Analysis In Fading Wireless Sensor Network Channel, Life Science Journal 2013; 10 (4). 310-318.
4. Witold Pedrycz, Rami Al-Hmouz, Ali Morfeq, Abdullah Balamash: The Design of Free Structure Granular Mappings: The Use of The Principle of Justifiable Granularity. IEEE T. Cybernetics 43 (6) : 2105-2113 (2013)
5. Rami Al-Hmouz, Witold Pedrycz, Abdullah Balamash, and Ali Morfeq, Granular Representation Schemes of Time Series: a Study In An Optimal Allocation of Information Granularity, Proceeding IEEE Symposium Series on Computational Intelligence 2013, Singapore 16-19 April 2013. FOCI 2013: 44-51
6. Al-Hmouz, A.; Jun Shen; Al-Hmouz, R.; Jun Yan;, "Modeling and Simulation of An Adaptive Neuro-Fuzzy Inference System (ANFIS) for Mobile Learning," Learning Technologies, IEEE Transactions on, vol. 5, no. 3, pp. 226-237, Third Quarter 2012
7. Rami Al-Hmouz, Jaffar Alghazo, Ahmad Al-Hmouz, OCR Based Fuzzy Logic, The 2011 International Conference on High Performance Computing & Simulation (HPCS 2011), Istanbul, Turkey, July 4 – 8, 2011.
8. A. Al-Hmouz, J. Shen, J. Yan, R. Al-Hmouz "Modelling Mobile Learning System using ANFIS," The 11th IEEE International Conference on Advanced Learning Technologies (ICALT 2011), Athens, Georgia, USA.
9. A. Al-Hmouz, J. Shen, J. Yan, R. Al-Hmouz "Enhanced Learner Model for Adaptive Mobile Learning," The 12th International Conference on Information Integration and Web-based Applications & Services (iiWAS2010), Paris, France, ACM, pp. 781-784, 2010.
10. Rami Al-Hmouz, Subhash Challa, License Plate Localization Based on a Probabilistic Model. Machine Vision and Applications. 2010, Volume 21, Issue 3, pp 319-330
11. Subhash Challa, Rami Alhmouz, Bayesian Fusion Algorithm for Inferring Trust In Wireless Sensor Networks. Journal of Networks JWN July 2010.

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

1. Strategic Planning Program Workshop.