

Rami Al-Hmouz

Professor, Department of Electrical and Computer Engineering, 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>Full or Part Time</i>
2008	2011	Isra Univ.	Assist Prof.		Full Time
2011	2014	King Abdulaziz Univ.	Assist Prof.		Full Time
2014	2015	King Abdulaziz Univ.	Associate Prof.		Full Time
2014	2018	King Abdulaziz Univ.	Professor.		Full Time

Non-Academic Experience: Part time consultant to Deanship of Assurance and Academic Accreditation.

Funded Research Projects and Patents From The Last Five Years

- (27-135-35-HICI)Advances in Fuzzy Linguistic Modelling: Applications in Group Decision Making and Recommender System. (300,000 SAR)
- (8-135-36-RG). Linguistic Data Description and Analysis in Non-Stationary and Dynamic Environments: A Framework of Granular Computing. (130,000 SAR).
- (135-689 -D1435). Incremental Hierarchical system Modelling. (50,000 SAR).
- (135-804-D1435). Granular classifiers and their design through refinement of information granules (10,000 SAR)
- (362-135-1437). Automatic Recognition of Artistic Arabic Calligraphy Types. (37,800 SAR).
- (KEP-5-135-39) Granular autoencoders in data representation, compression, and preprocessing (80,000)
- (KEP-7-135-39) New fuzzy consensus models for group decision making. (80,000 SAR)

Certifications and Professional Registrations

- Certificate in Learning Teaching.
- Cisco Certified Network Associate CCNA 640-802.
- Certificate in research commercialization.

Current Membership in Professional Societies and Organizations

	<i>Society/Organization</i>	<i>Rank</i>	<i>Since</i>
i.	IEEE	Senior member	2015
ii.	Jordan Engineering Association	Member	1998
iii.	IEEE Systems, Man, and Cybernetics Society	Member	2015

Honors and Awards

- Austrian Post Graduate Award APA (UTS).
- Dean Merit list in University of Western Sydney.

Institutional and Professional Services

- International Journal of Fuzzy Systems Associate Editor 2017

Principal Publications/Presentations from the Past Five Years

1. Rami Al-Hmouz, Witold Pedrycz, Khaled Daqrouq, Ali Morfeq, Ahmed Al-Hmouz, Quantifying dynamic time warping distance using probabilistic model in verification of dynamic signatures, *Soft Computing*, 23, 2,407-418, 2019
2. Abdullah Balamash, Witold Pedrycz, Rami Al-Hmouz, Ali Morfeq, Perspective-oriented data analysis through the development of information granules of order 2, *International Journal of Approximate Reasoning*, 85, pp: 97-106 , 2017 (IF: 1.766).
3. Rami Al-Hmouz , Witold Pedrycz, Khaled Daqrouq, Ali Morfeq, Development of Multimodal Biometric Systems with Three-Way and Fuzzy Set-Based Decision Mechanisms . *International Journal of Fuzzy Systems*. 20 (1), 128-140, 2018. (IF:2.396).
4. R. Al-Hmouz; W. Pedrycz; A. Balamash; A. Morfeq, Hierarchical System Modeling, in *IEEE Transactions on Fuzzy Systems* , 26 (1), 258-269, 2018. (IF=8.415)
5. Taylan, Osmana; Zytoon, Mohamed; Morfeq, Ali; Al-Hmouz, Rami; Herrera-Viedma, Enrique, Workplace assessment by fuzzy decision tree and TOPSIS methodologies to manage the occupational safety and health performance, *Journal of Intelligent & Fuzzy Systems*, vol. 33, no. 2, pp. 1209-1224, 2017. (IF: 1.426)
6. Siraj Allaf, Rami Al-Hmouz, Automatic Recognition of Artistic Arabic Calligraphy, *JKAU: Eng. Sci.*, Vol. 27 No.1, pp: 3 – 17, 2016.
7. Rami Al-Hmouz, Witold Pedrycz, Abdullah Saeed Balamash, Ali Morfeq, Granular description of data in a non-stationary environment, *Soft Computing*, 1-13, 2016. (IF= 2.367)
8. Rami Al-Hmouz, Witold Pedrycz. Models of time series with time granulation. *Knowledge and Information Systems*, 48(3), 561-580, 2016. (IF= 4.396)
9. J.A. Morente-Molinera, R. Al-Hmouz, A. Morfeq, A.S. Balamash, E. Herrera-Viedma , A Decision Support System for Decision Making in Changeable and Multi-Granular Fuzzy Linguistic Contexts, *J. of Mult.-Valued Logic & Soft Computing*, 26, 485–514, 2016. (IF= 0.437)
10. Witold Pedrycz., Rami Al-Hmouz, Abdullah Balamash, Ali Morfeq, Hierarchical Granular Clustering, Modeling with linguistic entities and linguistic descriptors: a perspective of granular computing. *Soft Computing*, 1-13, 2015. (IF= 2.367)
11. Abdullah Balamash, Witold Pedrycz, Rami Al-Hmouz, Ali Morfeq Granular classifiers and their design through refinement of information granules. *Soft Computing*. 1-15, 2015. (IF= 2.367)
12. *F. J. Cabrerizo, R. Al-Hmouz, A. Morfeq, A. S. Balamash, M. A. Martínez, E. Herrera-Viedma, Soft consensus measures in group decision making using unbalanced fuzzy linguistic information. *Soft Computing*, 1-14, 2015. (IF= 2.367)
13. *Francisco Javier Cabrerizo, Francisco Chiclana, Rami Al-Hmouz, Ali Morfeq, Abdullah Saeed Balamash and Enrique Herrera-Viedma, Fuzzy decision making and consensus: challenges, *Journal of Intelligent & Fuzzy Systems*, 29(3), 1109-1118, 2015. (IF: 1.426) (HiCi paper)
14. Khaled Daqrouq, Rami Al-Hmouz, Abdullah Saeed Balamash, Naif Alotaibi, and Elmar Noeth, An Investigation of Wavelet Average Framing LPC for Noisy Speaker Identification Environment, *Mathematical Problems in Engineering*, vol. 2015, 10 pages, 2015. (IF: 1.145)
15. Witold Pedrycz, Rami Al-Hmouz, Abdullah Balamash, Ali Morfeq, Hierarchical Granular Clustering: An Emergence of Information Granules of Higher Type and Higher Order, *IEEE Transactions on Fuzzy Systems*, 23(6), 2270-2283, 2015. (IF= 8.415)
16. Khaled Daqrouq, Rami Al-Hmouz, Ahmed Balamesh, Adnan Memic, Application of Wavelet Transform for PDZ Domain Classification, *Plos one*,10(4), 2015. (IF=2.766)
17. Witold Pedrycz, Rami Al-Hmouz, Abdullah Saeed Balamash, Ali Morfeq, Designing granular fuzzy models: A hierarchical approach to fuzzy modeling, *Knowledge-Based Systems*, 76, 42-52, 2015. (IF= 4.396)
18. Rami Al-Hmouz, Witold Pedrycz, Abdullah Balamash, Description and prediction of time series: A general framework of Granular Computing, *Expert Systems with Applications*, 42 (10), 4830-4839, 2015. (IF= 3.768)
19. Witold Pedrycz, Rami Al-Hmouz, Ali Morfeq, Abdullah Saeed Balamash, Distributed proximity-based granular clustering: towards a development of global structural relationships in data. *Soft Computing*, 19(10), 2751-2767, 2015. (IF= 2.367)
20. Rami Al-Hmouz, Witold Pedrycz, Abdullah Balamash, Ali Morfeq, Description and classification of granular time series, *Soft Computing*, 19(4), 1003-1017, 2015. (IF= 2.367)
21. Abdullah Balamash, Witold Pedrycz, Rami Al-Hmouz, Ali Morfeq, An expansion of fuzzy information granules through successive refinements of their information content and their use to system modeling, *Expert Systems with Applications*, Volume 42(6), 2985-2997, 2015.(IF= 3.768)

Recent Professional Development Activities (Workshops, Trainings etc.)