



College of Engineering



Rami Al-Hmouz
Associate Professor

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QUALIFICATION

SPECIALIZATION:

- **PhD in Engineering (Computer Engineering):**

University of Technology, Sydney

- **Master's in Engineering (Computer Engineering):**

University of Western Sydney

HONORS & AWARDS:

- **IEEE Oman Best Paper Award**
- **Australia Post Graduate Award**
- **Dean Merit List, University of Western Sydney**

PROFILE

RAMI AL-HAMOUZ (Senior Member, IEEE) received the Ph.D. degree in engineering (computer engineering) from the University of Technology Sydney, Australia, in 2008. He is currently a Faculty Member with the Department of Electrical and Computer Engineering, Sultan Qaboos University. He has held academic positions at various institutions, including King Abdulaziz University, Saudi Arabia, and Isra University, Jordan. His research interests include granular computing, fuzzy modeling, computer vision and image processing, and machine learning approaches. He has contributed significantly to his field, evident from his extensive publication record in various refereed journals and conferences. His scholarly work was supported by substantial grants and awards. He has been actively involved in academic administration, serving as a consultant for academic accreditation and quality, and has contributed to the development of engineering education and research.

WORK EXPERIENCE

- **2021 - Present**
Associate Professor, Sultan Qaboos University
- **2018-2021**
Professor, King Abdulaziz University
- **2014-2018**
Associate Professor, King Abdulaziz University
- **2011-2014**
Assistant Professor, King Abdulaziz University
- **2008-2011**
Assistant Professor, Isra University

Professional Credentials, Certifications, or licensing

- Certificate in Research Commercialization.

Membership in Professional Organization

Jordan Engineers Association #10255

IEEE Senior Member #93038644

Professional Development Activities

Associate Editor

- Information Sciences, Elsevier
- International Journal of Fuzzy Systems, Springer

Conferences: Technical and Organizational Committees

- Reviewer for IEEE Transactions, Springer, and Elsevier journals.

Selected Journal Publications

- **Rami Al-Hmouz**, Witold Pedrycz, Ahmed Ammari, Counterfactuals in Fuzzy Relational Models, *Artificial Intelligence Review*, 57,343,2024
- Kausar, F., **Al-Hamouz, R.** and Hussain, S., 2024. Energy Demand Forecasting for Electric Vehicles Using Blockchain-Based Federated Learning. *IEEE Access*, 12, pp.41287-41298.
- **Rami Al-Hmouz**, Witold Pedrycz, Medhat Awadallah, and Ahmed Ammari. "Granular transfer learning." *Neurocomputing* 600 (2024): 128126.
- J.A. Morente-Molinera, A. Morfeq, **R. Al-Hmouz**, E.B. Ashary, J.F. Su, E. Herrera-Viedma, Introducing disruption on stagnated Group Decision Making processes using Fuzzy Ontologies, *Applied Soft Computing*, Volume 132, 2023,

Selected Conference Participations

- AC Ammari, L Khriji, M Awadalla, **R Al Hmouz**, Co-Design of Hardware and Software for Facial Expression Recognition Using Xilinx Zynq SoC, 36th Conference of Open Innovations Association (FRUCT),94-99, 2024
- AC Ammari, **R Al Hmouz**, L Khriji, MC Zhou. Optimizing Cloud Computing Task Schedules Through Advanced Intelligent Optimization Methods, International IOT, Electronics and Mechatronics Conference, 443-456
- Inas Shadoul, Abdulnasir Hossen, Mostefa Mesbah, **Rami Al-Hmouz**, The Effect of Weighted Mean Pooling on the Performance of Convolution Neural Network, In ISPR 2024, The International Conference on Intelligent Systems and Pattern Recognition. Istanbul, Turkey 26-28, 2024.

Service Activities

PAAU Committee Member.

FYP Committee Member.

Chair of IR4 College of Engineering Committee.