

Majed M. Alateeq

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EDUCATION

- 01/2017 – 10/2023 **PhD** - University of Alberta, Canada.
Major: Computer Engineering and Machine Learning
Supervisor: Dr. Witold Pedrycz.
- 01/2014 – 11/2016 **M.Sc** - University of Alberta, Canada.
Major: Computer Engineering.
Thesis: Analysis of Evolutionary Optimization Algorithms in
Automated Test Pattern Generation for Sequential Circuits
Supervisor: Dr. Witold Pedrycz.
- 2006 - 2010 **B.Sc** – University of Idaho, ID, USA
Major: Computer Engineering
- 2002 - 2005 **Associate Degree** – College of Telecom and Information, KSA
Major: Computer Networks.

ACADEMIC EXPERIENCE

- 11/2023 – Present **Assistant Professor**, Computer Engineering Department, King Khalid University
- 01/2014 – 10/2023 **Machine Learning Research Assistant**, University of Alberta
Working under supervision of Dr. Witold Pedrycz on computational/artificial intelligence and machine learning.
- 01/2017 – 10/2023 **Teaching Assistant**, University of Alberta
- ECE 315: Computer Interfacing, Winter 2017.
 - ECE 220: Programming for Electrical Engineering, Winter 2019.
 - ECE 210: Introduction to Digital Logic Design, Fall 2019
 - ECE 311: Computer Organization and Architecture. Fall 2020
 - ECE 212 - Introduction to Microprocessors Winter 2021
 - ECE 315 - Computer Interfacing (Jan 2022 - April 2022)
 - ECE 624 - Fuzzy Sets in Human-Centric Systems (Sep 2022 - Dec 2022)
- 08/2011 – 12/2012 **Teaching Assistant**, King Khalid University, Abha, Saudi Arabia.

PROFESSIONAL EXPERIENCE

- 04/2011 – **Assistant Application Programmer**, Saudi Industrial

08/2012 Development Fund (SIDF), Riyadh, Saudi Arabia.

INTERNSHIPS

02/2005 – **Computer Networks Technician:** King Abdulaziz City for
05/2005 Science and Technology (KACST), Riyadh, Saudi Arabia

CERTIFICATES

2021 Leadership Certificate, Peter Lougheed Leadership College,
University of Alberta.

2020 Post-Master's Certificate in Innovation & Entrepreneurship,
School of Business, University of Alberta, Canada.

2012 QMS Auditor/Lead Auditor “ISO 9001:2008” By the
International Register of Certified Auditors (IRCA).

2005 Computer Networks, King Abdulaziz City for Science and
Technology (KACST), Riyadh, Saudi Arabia.

CONFERENCES & TRAINING

07/2019 **Deep Learning and Reinforcement Learning Summer School,**
Hosted by the Canadian Institute For Advanced Research
(CIFAR) and the Alberta Machine Intelligence Institute (Amii),
Edmonton, Alberta, Canada

10/2017 **IEEE, The International Conference on Systems, Man, and
Cybernetics (SMC2017),** Banff, Canada.

05/2012 **E-Business Security Conference** “Prevention of Modern
Threat,” Riyadh, Saudi Arabia.

AWARDS

07/2023 **J Gordin Kaplan Graduate Student Award**
Faculty of Graduate Studies and Research (FGSR)
University of Alberta

PUBLICATIONS

M. Alateeq, W. Pedrycz. “Multicontext Fuzzy Clustering: Towards Interpretable Fuzzy Clustering,” *In IEEE Transactions on Fuzzy Systems*, vol. 32, no. 12, pp. 6720-6730, Dec. 2024

M. Alateeq, W. Pedrycz. “Logic-oriented fuzzy neural networks: A survey,” *In Expert Systems with Applications*, vol. 257, Dec. 10, 2024

M. Alateeq, W. Pedrycz. “Development of two-phase logic-oriented fuzzy AND/OR network,” *In Neurocomputing*, vol. 482, no.14, pp.129-138, April 2022.

M. Alateeq, W. Pedrycz. “A comparative analysis of bio-inspired optimization algorithms for automated test pattern generation in sequential circuits,” *In Applied Soft Computing*, vol. 101, March 2021.

M. Alateeq, W. Pedrycz. “Analysis of optimization algorithms in automated test pattern generation for sequential circuits,” *IEEE International Conference on Systems, Man, and Cybernetics*, Banff, AB, Canada, 5-8 Oct. 2017.

REFERENCES

References are available upon request.