

CV

Amin T. Alqudah

Associate Professor, Department Computer Engineering, Hijjawi College of Engineering Technology, Yarmouk University

EDUCATION

Degree	Discipline	Institution	Year
Ph.D.	Electrical Engineering	Colorado State University, USA	2009
M.S.	Electrical Engineering	University of Colorado, USA	2005
B.S.	Communication Engineering	Yarmouk University, JOR	1999

ACADEMIC EXPERIENCE

Yarmouk University-Jordan, Teaching & Research Assistant, 1999-2003, Full time
Yarmouk University-Jordan, Assistant Professor, 2009-2012, Full time
Yarmouk University-Jordan, Chair of Computer Engineering Dept., 2012-2014, Full time
Yarmouk University-Jordan, Assistant Professor, 2014-2015, Full time
Prince Sattam University-KSA, Assistant Professor, 2015-2016, Full time
Prince Sattam University-KSA, Associate Professor, 2016-2018, Full time
Yarmouk University-Jordan, Associate Professor, 2018-2019, Full time
Yarmouk University-Jordan, Vice Dean, 2019-2020, Full time

NON-ACADEMIC EXPERIENCE

Electrical and Computer Engineering Department, Colorado State University- Fort Collins, CO, USA. *Visiting Assistant Professor: 2010.*

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

JEA- Professional Engineer

PROFESSIONAL SOCIETY MEMBERSHIP

Jordan Engineers Association (JEA) since 1999

HONORS AND AWARDS

- Listed in 2005 edition of "*Who's Who Among Students in American Universities and Colleges*".
- Yarmouk University Dean's List.
- Colorado State University Dean's List.

SERVICE ACTIVITIES

- Technical Reviewing Committee Member of the ICECTA, Dubai, 2017.
- Technical Reviewing Committee Member of the ICEDSA, Dubai, 2016.
- Technical Reviewing Committee Member of the National Technology Parade, Jordan, 2010-14.
- Member of different ABET and Quality Assurance committees.
- Member of the Hijjawi Faculty Council Committee (Several Times).
- Member of the several committees at Hijjawi Faculty.

FUNDED RESEARCH GRANTS

- **2018:** "Building innovation infrastructure via technology transfer offices conducted in Jordanian higher education institutions (BITTCOIN-JO)". Project duration 36 months (Budget<100,000\$). Supported by **Erasmus+**.
- **2017:** "Highly Accurate Recognition of Handwritten Arabic Decimal Numbers Based on a Self-Organizing Maps Approach". Supported by the Deanship of Scientific Research at Prince Sattam Bin Abdulaziz University under the research project # 2017/01/7551, (Budget<10,000 \$).

- **2014:** "Partnership with Enterprises Towards Building Open Source Software Communities and Rejuvenation of Technical Education and Innovation (OSSCOM)". Project duration 36 months (Budget<100,000\$). Supported by **TEMPUS IV**.
- **2011:** Joint grant supported by Colorado State University-USA and Yarmouk University-Jordan: "Use of neural networks to do rainfall rate estimation and to generate global rainfall accumulation maps". Summer 2010, (Budget<3000 \$).

SELECTED PUBLICATIONS

- 1) Ali Mohammad Alqudah, Shoroq Qazan, Hiam Alquran, Isam Abu Qasmieh, and **Amin Alqudah**, "*COVID-19 Detection from X-Ray Images using Different Artificial Intelligence Hybrid Models*". Jordan Journal of Electrical Engineering (JJEE). Volume: 6, issue: 2, page(s): 168-178, 2020. Publisher: Tafila Technical University.
- 2) Zouhair Al-qudah, **Amin Alqudah**, and Khalid A. Darabkh, "*Transmission over Gaussian MIMO Half-Duplex Relay Channel*". Physical Communication, Vol. 40, page(s): 1-7, 2020. Publisher: Elsevier.
- 3) Abedalmuhdi Almomany, Ahmad Al-Omari, Amin Jarrah, Mohammed Tawalbeh, **Amin Alqudah**, "*An OpenCL-Based Parallel Acceleration of a Sobel Edge Detection Algorithm Using Intel FPGA Technology*". South African Computer Journal, Accepted for Publication, Publisher: South African Institute of Computer Scientists and Information Technologists.
- 4) **Amin Alqudah**, Ahmad M. Ashour, and Shadi Alboon, "*Controlling of Wind Turbine Generator System based on Genetic Fuzzy-PID Controller*". International Journal of Advanced Trends in Computer Science and Engineering. Volume: 9, issue: 1, page(s): 409-425, 2020. Publisher: WARSE.
- 5) **Amin Alqudah**, Abdel Rahman Bani Younes, and Ali Alqudah, "*Towards Modeling Human Body Responsiveness to Glucose Intake and Insulin Injection based on Artificial Neural Networks*". Jordanian Journal of Computers and Information Technology (JJCIT). Volume: 6, issue: 1, page(s): 58-74, 2020. Publisher: Scientific Research Support Fund of Jordan (SRSF) and Princess Sumaya University for Technology (PSUT).
- 6) Ali Mohammad Alqudah, Hiam Alquraan, Isam Abu Qasmieh, **Amin Alqudah**, and Wafaa Al-Shari, "*Brain Tumor Classification Using Deep Learning Technique A- Comparison Between Cropped, Uncropped, and Segmented Lesion Images with Different Sizes*". International Journal of Advanced Trends in Computer Science and Engineering. Volume: 8, issue: 6, page(s): 3683-3691, 2019. Publisher: WARSE.
- 7) **Amin Alqudah**, Ali Alqudah, "*Sliding Window Based Support Vector Machine System for Classification of Breast Cancer Using Histopathological Microscopic Images*". IETE Journal of Research. Published Online, 2019. Publisher: Taylor and Francis.

PROFESSIONAL DEVELOPMENT ACTIVITIES

- 2019:** Patent of Inventions from Filing to Registration Program, Amman, Jordan.
- 2016:** Digital Learning Tools- Opportunities and Challenges
- 2015:** Training Course in R Programming Language, Lebanon.
- 2009:** New Faculty Members Preparation Workshop, Yarmouk University, Jordan.