

Dr. Huda Abdel-Rahim Karajeh

Assistant Professor
Computer Information Systems Department,
King Abdullah II School for Information Technology,
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EDUCATION AND QUALIFICATIONS:

- Ph.D. in Computer Information Systems, **3D Image processing and Virtual Reality**, School of Engineering and Computing Sciences, Durham University, United Kingdom. (October 2008- April 2012).

Thesis title: *(Intermediate View Reconstruction for Multiscopic 3d Display)*

- Master's Degree in Information Technology, Computer Science, **GPA=3.88/4.0 (Excellent)**, The University of Jordan, Jordan. (October 2004- August 2006).

Thesis title: *(A Genetic Algorithm Matched Filtered Optimization for Blood Vessels Detection of Digital Retinal Images)*.

- Bachelor Degree in Information Technology, Computer Science, **GPA=3.5/4.0 (Very good)**, The University of Jordan, Jordan. (October 2004- August 2006).
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CAREER HISTORY:

- **Assistant Professor:** 2012-(Present), Computer Information Systems, king Abdullah II School for Information Technology, *University of Jordan*, Amman, Jordan.
- **Assistant Professor:** Feb., 2014 – July, 2014, Computer Information Systems, Tabuk Community College, Tabuk University, Tabuk, Saudi Arabia.
- **Teaching and Research Assistance:** 2007- 2008, Computer Information Systems, king Abdullah II School for Information Technology, *University of Jordan*, Amman, Jordan.

- **Lecturer:** 2006- 2007, Computer Science Department, *Hashemite University*, Zarqa, Jordan.
 - **Teaching and Research Assistance:** 2005- 2006, Computer Information Systems, King Abdullah II School for Information Technology, *University of Jordan*, Amman, Jordan.
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COURSES TAUGHT:

Database Management Systems	Documentation and Computer Ethics
Digital Image Processing	Computer Skills
Programming in Java	Visual Programming .net
Object Oriented Programming	Data Structure
Internet and Web Technology	Computer Fundamentals

RESEARCH INTEREST:

- Digital Image Processing
 - 3D visualisation
 - Computer Vision
 - Cloud Computing
 - Information Systems
 - Electronic Commerce
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PUBLICATIONS:

➤ RESEARCH PAPERS

- **Karajeh, H.**, Khatib, T., Rajab, L., Maqableh, M., (2019). “A robust digital audio watermarking scheme based on DWT and Schur decomposition”. *Multimedia Tools and Applications*, Springer, Accepted January 2019, Indexed in ISI.
- **Karajeh, H.**, Maqableh, M., (2018). “An Imperceptible, Robust, and High Payload Capacity Audio Watermarking Scheme Based on the DCT transformation and Schur Decomposition”. *Analog Integrated Circuits and Signal Processing Journal*, *Springer*, Accepted September 2018, *Indexed in ISI*.

- **Karajeh, H.**, Maqableh, M., Rajab, L., Mohammad, H., Khatib, T., Alqirim, N., (2018). "Social Media Networks and Pedagogy at the University of Jordan". Education and Information Technologies Journal, *Springer*, 23(5), 2073–2090, ISI Emerging Sources Citation Index.
- Al-Ayyoub, M., Oqaily, A., Jarrah, M., **Karajeh, H.**, (2016). "Automatically Determining the Location and Length of Coronary Artery Thrombosis Using Coronary Angiography". International Journal of Computer Science and Information Security, 14 (3), 10-19.
- Khatib, T., **Karajeh, H.**, Mohammad, H., Rajab, L., (2015). "A hybrid multilevel text extraction algorithm in scene images". Scientific Research and Essays, 10 (3), 105-113.
- Maqableh, M., Rajab, L., Quteshat, W., Masa'deh, R.M.T., Khatib, T. and **Karajeh, H.**, (2015). "The Impact of Social Media Networks Websites Usage on Students' Academic Performance. Communications and Network", 7,159-171.
- **Karajeh, H.**, Maqableh, M., Masa'deh, R. (2014). "A Review on Stereoscopic 3D: Home Entertainment for the Twenty First Century", 3D Research Journal, *Springer*, 5(4), 1-9, ISI Emerging Sources Citation Index.
- Maqableh, M., **Karajeh, H.**, Masa'deh, R. (2014). "Job Scheduling for Cloud Computing Using Neural Networks", Communications and Network, 6(3), 191-200.
- Rajab, L., Mohammad, **H., Karajeh, H.** Al-Khatib, T. (2014). "An Improved Text Extraction Technique based on Linear Transformation". Life Science Journal, 11(2), 83-88, Indexed in ISI.
- Masa'deh, R., Maqableh, M., and **Karajeh, H.** (2014). "A Theoretical Perspective on the Relationship between Leadership Development, Knowledge Management Capability, and Firm Performance", in the Asian Social Science, 10(6), 128-137.
- Masa'deh, R., Gharaibeh, A., Maqableh, M., and **Karajeh, H.** (2013). "An Empirical Study of Antecedents and Outcomes of Knowledge Sharing Capability in Jordanian Telecommunication Firms: A Structural Equation Modelling Approach", Life Science Journal, 10(4), 2284-2296, Indexed in ISI.
- Al-Rawi, M., and **Karajeh, H.**, (2007). "Genetic Algorithm Matched Filter Optimization for Automated Detection of Blood Vessels from Digital Retinal Images", Computer Methods and Programs in Biomedicine journal, *Elsevier*, 87(3), 248-253, Indexed in ISI.

➤ **CONFERENCES PAPERS**

- **Karajeh, H.**, Maqableh, M., and Masa'deh, R. (2014). "Security of Cloud Computing Environment", in the 23rd IBIMA Conference on Vision 2020: Sustainable Growth, Economic Development, and Global Competitiveness, Valencia, Spain, 13-14th May, *Indexed in ISI*.
- Masa'deh, R., Maqableh, M., and **Karajeh, H.** (2014). "IT-Business Strategic Alignment: The Role of Mobile Technology Usage", in the 23rd IBIMA Conference on Vision 2020: Sustainable Growth, Economic Development, and Global Competitiveness, Valencia, Spain, 13-14th May, *Indexed in ISI*.
- Oqaily, A., Jarrah, M., **Karajeh, H.**, Al-Ayyoub, M., Hmeidi, I., (2014). "Localization of coronary artery thrombosis using coronary angiography". The Third international conference on informatics engineering and information science (ICIEIS2014).

➤ **BOOKS**

- Al-Rawi, M., and **Karajeh, H.**, and Abou-Dalhoum, A., "Vessel Detection Experiments Using a Gaussian Matched Filter" Chapter 9 from Book of "IMAGE MODELING OF HUMAN EYE", Artech House, 219-231, 2007.

TRAINING COURSES AT DURHAM UNIVERSITY - UK:

- *Teaching Induction for Postgraduates - Small group Teaching* in the Sc, Two weeks Course at the Graduate School of Durham University, 2008/2009.
- *Teaching Induction for Postgraduates – Demonstrating*, Two weeks Course at the Graduate School of Durham University, 2008/2009.
- *Teaching Induction for Postgraduates - Assessment in the Sciences*, Two weeks Course at the Graduate School of Durham University, 2008/2009.
- *Starting Your Doctorate*, One week Course at the Graduate School of Durham University, 2008/2009.
- *Postgraduate Researcher Induction*, One week Course at the Graduate School of Durham University, 2008/2009.

- ***Introduction to Giving Presentations: Delivering***, One Day Course at the Graduate School of Durham University, 2010/2011.
 - ***Finding and managing information for your PhD***, One Day Course at the Graduate School of Durham University, 2011/2012.
 - ***Literature Reviews in Science and Engineering***, Two weeks Course at the Graduate School of Durham University, 2011/2012.
 - ***The Basis of Thesis Writing***, One Day Course at the Graduate School of Durham University, 2011/2012.
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WORKSHOPS:

- 2016, Peer-reviewed Higher Education in the Arab world workshop: Towards International Competitive, School of Educational Sciences, The University of Jordan and Zarqa Private University.
 - 2015, How to get Published Author workshop, Taylor and Frances, The University of Jordan.
 - 2013, Strategic Planning using Assessment to guide effective Practice, as a part of diploma program in information technology in education, Ohio University, held in The University of Jordan.
 - 2013, Embracing the Future: empowering 21st Century Learners, as a part of diploma program in information technology in education, Ohio University, held in The University of Jordan.
 - 2013, Tech Women Networking Conference, Princess Sumaya University for Technology, Jordan.
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TALKS, PRESENTATIONS AND POSTERS:

➤ **PRESENTATION & SEMINARS:**

- **Karajeh, H.**, *Intermediate View Reconstruction For Multiscopic 3d Display*. Proceedings of Research Day 2009. Page 57, 26 June 2009. School of Engineering and Computer Sciences, Durham University, Durham - United Kingdom.

➤ **POSTERS:**

- **Karajeh, H.**, *Intermediate View Reconstruction For Multiscopic 3d Display*. Proceedings of Research Day 2010. (Poster Section). School of Engineering and Computer Sciences, June 2010, Durham University, Durham - United Kingdom.

PAPER REVIEWS:

- 2019, IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT) – IEEE – Jordan Section, Jordan Engineers Association, and Al-Zaytoonah University of Jordan.
- 2015-Now, 3D research Journal, Springer.
- 2017, New Trends in Information Technology (NTIT), the King Abdullah II School for Information Technology, The University of Jordan.
- 2014, International Conference on Information and Communication System, Jordan University of Science and Technology, Amman, Jordan.

MEMBER OF COMMITTEES:

- 2019, *IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)* – IEEE – Jordan Section, Jordan Engineers Association, and Al-Zaytoonah University of Jordan.
- 2017, the Fifth peer-reviewed International Conference for Universities' Research Theses and Dissertations, Higher Studies Faculty, The University of Jordan.
- 2012-Now: *Member of New Trends in Information Technology (NTIT)* at the King Abdullah II School for Information Technology, The University of Jordan.
- 2012-Now: *Member of Computer Information Systems Department Council* at the King Abdullah II School for Information Technology, The University of Jordan.
- 2014-Now: *Member of Curriculum Committee* at Computer Information Systems Department, The King Abdullah II School for Information Technology, The University of Jordan.
- 2013-2014: *Member of Evaluation Courses Committee at Computer Information Systems Department*, The King Abdullah II School for Information Technology, The University of Jordan, Jordan.

- 2012-2014: *Member of Quality Assurance Committee* at Computer Information Systems Department at the King Abdullah II School for Information Technology, The University of Jordan, Jordan.
 - 2012-2014: *Member of Students Supervision committee* at Computer Information Systems Department at the King Abdullah II School for Information Technology, The University of Jordan, Jordan.
 - 2012-2014: *Member of Student Election Committee* at Computer Information Systems Department at the King Abdullah II School for Information Technology, The University of Jordan, Jordan.
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AWARD RECEIVED:

PhD Scholarship from The University of Jordan in Computer Information Systems (3D Image processing and Virtual Reality) at Durham University - United Kingdom.

LANGUAGES:

- *Arabic* Mother Tongue
 - *English* - Reading skills Excellent
 - Writing skills Excellent
 - Speaking skills Excellent
 - ✓ Excellent presentation and communication skills in both languages.
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