

CURRICULUM VITAE

Dr. Sokyna M. Al-Qatawneh

Department of Computer Science/ Multimedia Systems

Faculty of Science and Information Technology,

Al-Zaytoonah University of Jordan

P.O.Box 130 Amman 11733 Jordan

Phone: 0797883031

E-mail: S.Qatawneh@zuj.edu.jo



1. Education

- Ph.D. (Computer Science) 2010, University of Bradford, West Yorkshire, UK
- M.Sc. (Computer Science) 2005, Amman Arab University, Amman, Jordan
- B.Sc. (Computer Science) 2003, Mu'tah University, Alkarak, Jordan

2. Ph.D. Dissertation

“3D Facial Feature Extraction and Recognition” - An investigation of 3D face recognition: correction and normalisation of the facial data, extraction of facial features and classification using machine learning technique, University of Bradford, Bradford, West Yorkshire, UK.

3. Employment

Academic Positions

- Assistant Professor, Department of Computer Science / Multimedia Systems, Al-Zaytoonah University of Jordan, Jordan
September 2017 - Now
- Assistant Professor, Department of Multimedia Systems, Al-Zaytoonah University of Jordan, Jordan
September 2013 - September 2017
- Assistant Professor, Department of Software Engineering, Al-Zaytoonah University of Jordan, Jordan
September 2011 - September 2013
- IT Lecturer, IT Department, Bradford College of Management, UK
May 2010 - August 2011
- Laboratory Demonstrator, School of Computing, Informatics & Media, University of Bradford, UK
June 2007- December 2009

Administrative Positions

- Chairwoman of Multimedia Systems Department, Faculty of Science and IT, Al-Zaytoonah University of Jordan – September 2013-August 2016

4. Research Interests

- 3D Digital Image Processing, Computer vision, Pattern Recognition, Machine Learning, Parallel Computing, Multimedia Systems & its Applications, and 3D Modelling.

9. Grants

1. Sokyna Alqatawneh and Khalid Jaber, “Parallel Cascade Correlation Neural Network For 3D Pattern Recognition Using Multicore Programming Model”, Sep 2014- Feb 2016, JOD 40 K, funded by Alzaytoonah University of Jordan.
2. Students graduation project “Parallel Object Tracking and Recognition”, Jan 2016- Dec 2016, JOD 6600, funded by King Abdullah II Fund for Development KAFD.

10. Professional and Scientific Meetings

Scientific Meetings Organized

- Participation in the organization of the 8th International Conference on Information Technology 2017 at Al-Zaytoonah University of Jordan.
- Participation in the organization of the 7th International Conference on Information Technology 2015 at Al-Zaytoonah University of Jordan.
- Participation in the organization of the 2nd edition of Al-Zaytoonah Short Film Festival 2015 at Al-Zaytoonah University of Jordan.
- Participation in the organization of the 1st edition of Al-Zaytoonah Short Film Festival 2014 at Al-Zaytoonah University of Jordan

Participation in Scientific meetings

- “Three Circles of Aلمات “- Women Network in Academia Workshop, AAAS, Boston, USA (Feb 2017)
- “DAAD DIES ProGRANT: Proposal Writing for Research Grants” Course, the University of Cologne, the University of Jordan, and the DAAD, Amman, Jordan (March - Sep 2015).
- “Three Circles of Aلمات “- Women Network in Academia Workshop, Jordan Society for Scientific Research, Amman, Jordan (Feb 2015 –Feb 2017)
- “E-learning becoming the Norm” Workshop, Association of Arab Universities, Amman, Jordan (April 2014).
- “Make a Robot by Yourself” Workshop & Arduino Micro-Controller Course, E-Baheth Electronics Centre, Amman, Jordan (June-July 2013).

11. Publications

- Sokyna M. Al-Qatawneh and Omayma M. AlQatawneh. 2018. " Exploring the Use of Light and Colour to Detract and Enhance the Plot of 3D Rendered

Scenes, *International Journal of Innovation, Creativity and Change*, 4:1:74-94. (To be published in 15/05/2018)

- Sokyna M. Al-Qatawneh and Omayma M. AlQatawneh. 2017. Exploring the Lighting Effects on Human Observation Using a Plot of 3D Rendered Scenes. In *Proceedings of the International Conference on Graphics and Signal Processing (ICGSP '17)*. ACM, New York, NY, USA, 1-5.
- Khalid Mohammad Jaber and Sokyna M. Al-Qatawneh (2016). "P-CC-NN: Parallel Cascade Correlation Neural Network Methods for Pattern Recognition Applications Using Multicore Techniques." *Journal of Theoretical and Applied Information Technology*, 93:1: 200-207.
- Sokyna M. Al-Qatawneh, Khalid Mohammad Jaber (2015). "Parallel Cascade Correlation Neural Network Methods for 3D Facial Recognition: A Preliminary Study". *Journal of Computer and Communications*, 3:5: 54-62.
- Sokyna Al-Qatawneh, Ali Mehdi and Thamer Al Rawashdeh (2014). "3D Modelling, Simulation and Prediction of Facial Wrinkles", *Journal of Communication and Computer*, 11, 365-370.
- Thamer A. Al-Rawashdeh, Feras M. Al'azze, Sokyna M. Al-Qatawneh (2014). "Evaluation of ERP Systems Quality Model Using Analytic Hierarchy Process (AHP) Technique", *Journal of Software Engineering and Applications*, 7, 225-232.
- Thamer A. Al-Rawashdeh, Mohammad I. Muhairat, and Sokyna M. Al-Qatawneh (2014). A Quantitative Evaluation of ERP Systems Quality Model. 11th International Conference on Information Technology: New Generations (ITNG), USA, PP 46 - 49
- Sokyna Al-Qatawneh, Ali Mehdi and Thamer Al Rawashdeh (2014). "3D Modelling, Simulation and Prediction of Facial Wrinkles", the Second International Conference on Signal, Image Processing and Pattern Recognition (SIPP 2014), Sydney, Australia.
- Sokyna M. Al-Qatawneh and Afaf Alnaimi (2013): "Facial Age Estimation Based on Facial Shape Transformation and CCNNs". The 6th International Conference on Information Technology (ICIT13), IEEE 6th. Amman, Jordan.
- Sokyna M. Al-Qatawneh, Stanly S. Ipson, and Rami S. Qahwaji (2012). "3D Facial Feature Extraction Based on The Symmetry Plane Analysis", The

IASTED International Conference on Signal and Image Processing (SIP 2012), Honolulu, USA.

- S. Qatawneh, A. Alneaimi, Th. Rawashdeh, M. Muhairat, R. Qahwaji and S. Ipson (2012). "Efficient Prediction of DNA-Binding Proteins using Machine Learning". International Journal on Bioinformatics & Biosciences, 2:2:1-14.
- Al-Neaimi A., Qatawneh S., and Al Saiyd N.(2012) ," Conducting Verification and Validation of Multi- Agent Systems" International Journal of Software Engineering & Applications (IJSEA), Vol.3(5).
- Thamer A. Alrawashdeh, Mohammad I. Muhairat, and Sokyna M. Alqatawnah (2012). "Factors affecting acceptance of web-based training system: Using extended UTAUT and structural equation modelling", International Journal of Computer Science, Engineering and Information Technology, 2:2: 45-55.
- Al-Qatawneh,S.M. (2012), 3D Facial Feature Extraction and Recognition. Germany: LAP LAMBERT Academic Publishing GmbH & Co. KG. ISBN 978-3-8465-0149-8.
- Mehdi A., Al-Qatawneh S., Qahwaji R.,Ugail H. and Mehdi A.(2009) "Position, Length and Number estimation for forehead wrinkles", *Mosharaka International Conference on Communications, Computers and Applications (MIC-CCA 2009)*, Amman, Jordan.
- Qatawnah S, Ipson S, Qahwaji R and Ugail H (2008) "3D Face Recognition Based on Machine Learning", *IASTED International Conference on Visualization, Imaging and Image Processing (VIIP 2008)*, Palma de Mallorca, Spain.
- Al-Qatawneh, S. M., Alhalabi and S. M., Samawi, V.W (2008)"Developing A Route Navigation System Using Genetic Algorithm", *The International Conference on Information & Communication Technologies (ICTTA'08)*, Damascus, Syria.