

## Curriculum Vitae

### Esra Alzaghoul

Deputy Dean for Development and Quality Assurance Affairs  
Deanship of Scientific Research

Associate professor of Software Engineering  
King Abdullah II School of Information Technology  
The University of Jordan  
Amman – Jordan



E-mail: e.zaghoul@ju.edu.jo  
Phone: +962-6-5355000 Ext: 22614

### Education

- Ph.D. in Computer Science/Software Engineering, University of Birmingham, United Kingdom, 2015.
- M.Sc. with distinction in Information Systems, The University of Jordan, Amman - Jordan, 2009.
- B.Sc. in Computer Information Systems, The University of Jordan, Amman - Jordan, 2007.

### Employment (Academic)

- Associate professor, The University of Jordan, Amman - Jordan, 2022 - current.
- Assistant professor, The University of Jordan, Amman - Jordan, 2015 - 2022.
- Teaching assistant, The University of Birmingham, Birmingham - United Kingdom, 2012 - 2015.
- Teaching assistant, The University of Jordan, Amman - Jordan, 2009 - 2010.

### Employment (Administrative)

- Deputy Dean for Development and Quality Assurance Affairs, Deanship of Scientific Research, 2023 – current.
- Assistant Dean for Development and Quality Assurance Affairs, Deanship of Scientific Research, 2021 – 2023.
- Assistant Director, Accreditation and Quality Assurance Center, 2019 - 2021.
- Director of Website Department, Accreditation and Quality Assurance Center, 2017 - 2019.
- Senior Web developer (J2EE), ATS, Amman - Jordan, 2007 - 2009.

## Peer reviewed publications

- **Esra Alzaghoul** & R. Bahsoon. CloudMTD: Using Real Options to Manage Technical Debt in CloudBased Service Selection. In proceeding of the Fourth International Workshop on Managing Technical Debt in conjunction with 35th International Conference on Software Engineering, 2013.
- **Esra Alzaghoul** and R. Bahsoon. Economics-driven Approach for Managing Technical Debt in CloudBased Architectures. In proceeding of the sixth IEEE/ACM International Conference on Utility and Cloud Computing, Dresden, Germany, 2013. (25% acceptance rate)
- **Esra Alzaghoul** and R. Bahsoon. Evaluating Technical Debt in Cloud-based Architectures using Real Options. The 23rd Australasian Software Engineering Conference (ASWEC) Co-located with WICSA 2104, Sydney, Australia 7-11 April 2014. (32% acceptance rate)
- I. Takouna, **Esra Alzaghoul**, Christoph Meinel. Robust virtual machine consolidation for efficient energy and performance in virtualized data centers. IEEE International Conference on Internet of Things, and IEEE Green Computing and Communications and IEEE CPSCoM, 2014.
- I. Sandoqa, M. Akour, F. Alzaghoul, H. Alsawalqash, **Isra Alzaghoul**, L. Alnemer. Debugging Effectiveness as a Fault Localization Approach: Comparative Study. Journal of Software Engineering and Applications, 2016.
- O. Rababah, **Esra F. Alzaghoul**, H. Fakhouri. An Enhanced Approach for Using Data Visualization for Sentiment Analysis and Auto Summarization Data. Modern Applied Science. Canadian Center of Science and Education. 2018.
- **Esra F. Alzaghoul**, S. Fakhouri. Collaborative Strategy for Grey Wolf Optimization Algorithm. Modern Applied Science. 2018.
- **Esra Alzaghoul**, H. Fakhouri, F. Alzaghoul, Automatic Recovery of Database Structure (ARDS), Modern Applied Science. 2018.
- F. Aladwan, A. Alzaghoul E. Ali, H. Fakhouri and **Israa Alzaghoul**. Service Composition in Service Oriented Architecture: A Survey. Modern Applied Science. 2018.
- N. Alhammad, F. Alzaghoul, M. Akour, **Esra Alzaghoul**. Evolutionary neural network classifiers for software effort estimation. International Journal of Computer Aided Engineering and Technology, 2020.
- M. Haj Qasem, A. Abu-Srhan, H. Natoueah, **Esra Alzaghoul**. Fog Computing Framework for Smart City Design. International Journal of Interactive Mobile Technologies, 2020.
- **Esra Alzaghoul**, F. Hammad, F. Alzaghoul and M. Samkari, An Auto Defense Approach to Enhance the Web Application Availability, Advanced Research & Studies Journal, 2020.
- **Esra Alzaghoul**, MB. Al-Zoubi, R. Obiedat, F. Alzaghoul. Applying Machine Learning to DEM Raster Images. Technologies. 2021.
- R. Obiedat, D. Al-Darras, **Esra Alzaghoul** and O. Harfoushi. Arabic Aspect-Based Sentiment Analysis: A Systematic Literature Review. IEEE Access, 2021.
- A. Abu-Zayed, **Esra Alzaghoul**, I. Aldajani and M. Alshraideh. "Netnography Internet Research Methodology Applications: A Survey." Reconciliation, Heritage and Social Inclusion in the Middle East and North Africa. Cham: Springer International Publishing, 2022.

## Professional Activities

- Program committee of the International Conference on Technical Debt collocated with the 43rd International Conference on Software Engineering (ICSE 2021).
- Peer reviewer for the Journal of IEEE Transactions on Cloud Computing.
- Program committee of New Trends in Information Technology 2020.
- Program committee of the International Conference on Technical Debt in conjunction with the 41st International Conference on Software Engineering (ICSE 2019).
- Program committee of the International Conference on Technical Debt in conjunction with the 40th International Conference on Software Engineering (ICSE 2018).
- Technical Program Committee of the International Conference on Innovations in Computer Science & Software Engineering 2018.
- Program committee of the Ninth International Workshop on Managing Technical Debt in conjunction the 18th International Conference on Agile Software Development (XP 2017).
- Program committee of New Trends in Information Technology 2017.
- Technical Program Committee of the International Conference on Innovations in Computer Science & Software Engineering 2016.
- Program committee of the Eighth International Workshop on Managing Technical Debt in conjunction the 32nd International Conference on Software Maintenance and Evolution (ICSME 2016).
- Program committee of the Seventh Workshop on Managing Technical Debt in conjunction with the International Conference on Software Maintenance and Evolution (ICSME 2015).
- Program committee of the Sixth International Workshop on Managing Technical Debt in conjunction with the 30th International Conference on Software Maintenance and Evolution (ICSME 2014).