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| **Lamis F. Al-Qora’n** |

Associate Professor

Department of Software Engineering, Philadelphia University

lalqoran@philadelphia.edu.jo

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| **Education** |

November 2015 PhD in Computer Science/ Software Engineering. Department of Computer Science, University of Hull, UK.

June 2015 Postgraduate Diploma in Research Training, University of Hull, UK.

January 2007 MSc. in Computer Science/ Distributed Systems Development, Department of Computer Science, University of Hull, UK.

June 2003 BSc. in Computer Science, Department of Computer Science, Yarmouk University, Jordan.

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| **Experience**  |

May 2023- Present Associate Professor, Department of Software Engineering, Philadelphia University.

Sep. 2017- May 2023 Assistant Professor, Department of Software Engineering, Philadelphia University.

Jan. 2014-Jan 2016 Tutor, Department of Computer Science, University of Hull, UK (Delivered tutorials to Computer Science undergraduate students).

Jan.2012 – Jun 2015 Lab Demonstrator, Department of Computer Science, University of Hull, UK.

Jun. 2007– Jan 2012 Lecturer, Management Information Systems Department, Al ahliyya Amman University, Jordan.

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| **Training Courses and Certificates**  |

* Advanced Software Design and Architecture.
* Software Requirements.
* E-learning, Quality Education and Training Workshop.
* Introduction to Teaching: Student Learning, Small Group Learning, Technology Enhanced Learning, Critical Reflection and Professional Development. (University of Hull, UK)
* Use of Modern Teaching Methods and Fundamental Technology in Teaching and Learning for Practicing Academic Profession, at University of Jordan.
* Quality Assurance Workshop.
* Proposal Development: From Project Concept to Winning Proposal (Erasmus+).

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| **Research Interests**  |

* Chaos engineering.
* Dependability of Cloud applications.
* Software engineering education.
* Mobile learning, e-learning, and project-based learning.
* Automated dependability (reliability, safety, availability), analysis of systems.
* Design of safety critical and dependable systems.
* Design of self-adaptive software.
* Software requirements.
* Software design and architecture.
* Modelling and analysis of clinical processes.
* Health informatics.

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| **Journal Publications and Book Chapters** |

Joseph S. Botros, Lamis F. Al-Qora'n, Amro Al-Said Ahmad, “Towards antifragility of cloud systems: An adaptive chaos driven framework”, *Information and Software Technology*, Volume 174, 2024, ISSN 0950-5849, <https://doi.org/10.1016/j.infsof.2024.107519>. (<https://www.sciencedirect.com/science/article/pii/S0950584924001241>)

Al-Said Ahmad, A., Al-Qora’n, L.F. & Zayed, A. Exploring the impact of chaos engineering with various user loads on cloud native applications: an exploratory empirical study. *Computing* **106**, 2389–2425 (2024). <https://doi.org/10.1007/s00607-024-01292-z>

(<https://link.springer.com/article/10.1007/s00607-024-01292-z>)

Alodat, Abdelsalam M., Lamis F. Al-Qora’n, and Muwafaq Abu Hamoud. "Social Media Platforms and Political Participation: A Study of Jordanian Youth Engagement." *Social Sciences* 12.7 (2023): 402.

Al-Qora’n, Lamis F., et al. "State of the Art of Mobile Learning in Jordanian Higher Education: An Empirical Study." *Multimodal Technologies and Interaction* 7.4 (2023): 41.

Al-Qora’n, Lamis F., Ali Jawarneh, and Julius T. Nganji. "Toward Creating Software Architects Using Mobile Project-Based Learning Model (Mobile-PBL) for Teaching Software Architecture." *Multimodal Technologies and Interaction* 7.3 (2023): 31.

Al-Qora’n, Lamis, Omar Al Sheik Salem, and Neil Gordon. "Heuristic Evaluation of Microsoft Teams as an Online Teaching Platform: An Educators’ Perspective." *Computers* 11.12 (2022): 175.

Al-Qora'n, L. F. "Social RE-PBL: an approach for teaching requirements engineering using PBL, SNSs, and cloud storages and file-sharing services." *International Journal of Information and Education Technology* 11.7 (2021): 342-347.

Al-Qoran L., Gordon A., S. Sharvia, and S. Kabir. "A safety analysis approach to clinical workflows: application and evaluation." *Int. J. Advanced Comp. Sci. Appl* 5 (2014): 82-91.

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| **Conferences**  |

Al-Qora’n, Lamis F., and Suzan Al-Zarei. "Modeling and Safety Analysis of the Medullary Thyroid Cancer Medication and Follow-up." *2024 15th International Conference on Information and Communication Systems (ICICS)*. IEEE, 2024.

Bataieneh Safa’a, Ziadeh Ali, and Al-Qora’n Lamis F., "Microservices Architecture for Improved Maintainability and Traceability in MVC-Based E-Learning Platforms: RoadMap for Future Developments." *2024 15th International Conference on Information and Communication Systems (ICICS)*. IEEE, 2024.

Yousef, T., Naffar, E., Ghoul, S., & Qoran, L. (2022, June). Automatically Generated Feature Model from Requirements: Toward an Enhanced Formalism. In *2022 13th International Conference on Information and Communication Systems (ICICS)* (pp. 139-141). IEEE.

 Al-Qora'n, L., Sharvia, S., Gordon, N., & Walker, M. (2014, August). Safety analysis of clinical workflows: The case of the workflow within a radiology department. In *2014 Science and Information Conference* (pp. 72-78). IEEE.

Al-Qora’n, L., Gordon, N., Sharvia, S., Walker, M., & Papadopoulos, Y. (2014). An Approach to Safety Analysis of Clinical Workflows. In *Athens: ATINER's Conference Paper Series, No: COM2014-1157*.

Al-Qora'n, L., Sharvia, S., Gordon, N., & Papadopoulos, Y. (2013). Safety analysis of a remote patient monitoring system with a guideline-based decision support. *Luxembourg: Porceedings of Med-e-Tel*, 322-327.

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| **Courses Taught**  |

**MSc Courses**

Advanced Software Design and Architecture, Requirements Engineering, Research Methods in Software Engineering.

**BSc Courses**

Software Requirements, Software Architecture, Software Analysis and Design, Fundamentals of Software Engineering, Computing Ethics, Software Production, Software Project Management, Programming Fundamentals (C#), Database management, Fundamentals of Database systems, Networks management, operating systems, Management information systems, Systems analysis and design, Software Engineering and Human Computer Interaction.

**Languages:** Arabic and English (fluent)

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| **References** |

Available upon request