Ali Mohammad Ali Al-Shdifat

Assistant Professor

Mobile: -
Mafraq - Jordan

Ali Al-Shdifat has recently completed a PhD at Cranfield University (UK) in Internet of Things (IoT) and Cloud Computing for remote monitoring services. He is an assistant professor of Data Science and AI department at Mutah University. His research lies with IoT, Cloud computing, Data science, AI, Context-Aware Computing, Data Analytics, and Ontologies to serve industrial needs.

Personal Details

- Date of Birth: *18 / 6 / 1990*
- Gender: *Male*
- *Address:* *Mafraq - Jordan*
- E-Mail: ali.alshdifat@mutah.edu.jo
- Marital Status: Married
- *Position:* *Assistant professor*
- *Department:* *Data Science and AI*
- *Location:* *Mu'tah University, AlKarak, Jordan*

Education

- **PhD** *(2021) in* "Internet of Things (IoT) and Cloud Computing", Cranfield University, School of Aerospace, Transport and Manufacturing**, UK.**

- **MSc** *(2015) in Business Administration 2014 (Grade: 89,25).* Al al-Bayt University**, Jordan**.

- **BSc (***2012) in Software Engineering 2012. In Al-Hussein Bin Talal University, Ma'an**, Jordan.**

- **High Secondary School:** Scientific Stream

List of Publications

- **Al-Shdifat A**, Emmanouilidis C, Khan M and Starr AG (2020) "Ontology-Based Context Modelling in Physical Asset Integrity Management". Frontiers in Computer Science. Sci. 2:578673. DOI: 10.3389/fcomp.2020.578673.

Ali Mohammad Ali Al-Shdifat

Assistant Professor

Mobile: -
Mafraq - Jordan

- **Al-Shdifat A.**, Emmanouilidis C., Starr A. (2020) "Context-Awareness in Internet of Things Enabled Monitoring Services". In: (eds) Engineering Assets and Public Infrastructures in the Age of Digitalization. Liyanage J., Amadi-Echendu J., Mathew J. Lecture Notes in Mechanical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-48021-9_98.

- **Al-Shdifat A**, Emmanouilidis C, Khan M and Starr AG (2020) "Ontology-based context resolution in internet of things enabled diagnostics". 4th IFAC Workshop on Advanced Maintenance Engineering, Services and Technologies at Cambridge, UK.

- **Al-shdifat, A.**, and Emmanouilidis, C. (2018) 'Development of a Context-aware framework for the Integration of Internet of Things and Cloud Computing for Remote Monitoring Services', Procedia Manufacturing, Elsevier, V16, pp. 31–38. https://doi.org/10.1016/j.promfg.2018.10.155.

- Emmanouilidis C, Gregori, M, **Al-Shdifat, A** (2020) "Context Information Management Ontology for Connected Maintenance Services". 21st IFAC World Congress, Berlin, Germany.

Teaching Experience (Bachelor Modules)

- Data Engineering
- Database
- Data Structure
- Distributed Database
- Database Programming
- Network
- Discrete
- Introduction to Information Technology
- E-Business
- Programming language 1 (Python)
- Programming language 2 (Web developing Python)
- Office Automation Systems
- Knowledge Management
- Information resources management
- Group project

Ali Mohammad Ali Al-Shdifat

Assistant Professor

Mobile: -
Mafraq - Jordan

Teaching Experience (Master Modules)

- Advanced Management Information Systems.
- Database analysis and design

Research Interests

- IoT
- Cloud Computing
- Data Science and AI
- Ontology-Based Context
- E-Government.
- E-business.
- Mobile government.
- Information systems innovation adoption, and diffusion.
- E-Learning
- Smart Cities.

Master's supervision

Completed supervision:
- The impact of E-Service Quality on the Customers' Satisfaction in Agricultural Credit Corporation

- A framework for cloud computing adoption barriers: among public universities- a case study in Jordan

- Resistance to change and its impact on the application of e-government among the employees of the Greater Amman Municipality

- Factors affecting patterns of cybercrime through social media

- The impact of professional development skills on the personal creativity of middle management workers at the Vocational Training Corporation in Jordan: digital transformation as a modifier factor

References

Dr Christos Emmanouilidis   **christosem@gmail.com**

Ali Mohammad Ali Al-Shdifat

Assistant Professor

Mobile: -
Mafraq - Jordan

Dr Ahmed Al-Ashaab

a.al-ashaab@cranfield.ac.uk