

Academic Resume



Fatmah Bamashmoos

Assistant Professor, Information Technology Department

Contact Information.

Building 61, Room 151, fbamashmoos@kau.edu.sa.

Highest Degree.

2022, PhD, Computer Science: Semantic Web and Internet of Things, University of Bristol, UK.

Academic and Professional Experiences.

1. **2022 - Present**
Assistant Professor, Jeddah, KSA, Information Technology Department, Faculty of Computing, King Abdulaziz University., , .
2. **2022 - 2022**
Reviewer in PETRA 22: The PErvasive Technologies Related to Assistive Environments conference, , .
3. **2022 - 2022**
Proctor, IEEEEXtreme Programming Competition16.0, , .
4. **2017 - 2017**
Reviewer in IEEESE2017: 12th System of Systems Engineering Conference, , .
5. **2009 - 2022**
Demonstrator, Jeddah, KSA, Information Technology Department, Faculty of Computing, King Abdulaziz University.
6. **2006 - 2008**
Contracted Tutor, Computer Skills Unit, Jeddah, KSA, Faculty of Computing, King Abdulaziz University.

Research Interests.

Knowledge Base, EHealth, Health Informatics, Cyber Security, Internet of Things, Semantic Web.

Teaching Interests.

Programming, Software Engineering, System Analysis, Security, Internet Technology, Artificial Intelligence, Design Patterns.

Certifications and Trainings.

1. Images of Research in the first Saudi Scientific Forum, King Fahad Academy, London, UK.
2. IEEE International Conference on Semantic Computing (ICSC2017), SanDiego, CA, USA.
3. 13th Reasoning Web Summer School (RW 2017): Semantic Interoperability on the Web, University of London, London, UK.
4. WWSSS18: WSTNET Web Science Summer School, Hannover, Germany.
5. Big Data and Analytics Summer School in Essex University, Colchester, UK.
6. HL7 and FHIR Overview, London, UK.
7. PETRA 2018 : the 11th ACM International Conference on PErvasive Technologies Related to Assistive Environments, Corfu, Greece.
8. Artificial Intelligence, Analyst Certificate, IBM, Jeddah, SA.
9. Artificial Intelligence, Explorer Badge, IBM, Jeddah, SA.

Social, Scientific and Professional Affiliation.

1. 2021-Present, Assistant Professor, King Abdulaziz University.
2. 2019-Present, Member, IEEE.
3. 2016-2021, PhD Researcher, University of Bristol.
4. 2009-2021, Demonstrator, King Abdulaziz University.

Excellence Awards and Patents.

1. 2018, Reward, The Royal Embassy of Saudi Arabia Cultural Bureau in London.

Publications.

1. Fatmah Bamashmoos, Theo Tryfonas, "Towards Asthma Self-Management: An Integrated Ontology Model For Asthma Action Plan", 2019 Ieee International Conference On Bioinformatics And Biomedicine (Bibm), pp. 1737-1741, 2019.
DOI: [10.1109/BIBM47256.2019.8983363](https://doi.org/10.1109/BIBM47256.2019.8983363)
2. Fatmah Bamashmoos, Pete Woznowski, Theo Tryfonas, "A Review Of Air Quality Sensing Technologies And Their Potential Interfaces With Iot For Asthma Management", Petra "18: The 11th Pervasive Technologies Related To Assistive Environments Conference, pp. 470-475, 2018.
DOI: [10.1145/3197768.3201559](https://doi.org/10.1145/3197768.3201559)
3. Fatmah Bamashmoos, Ian Holyer, Theodore Tryfonas, Przemyslaw Woznowski, "Towards Secure Sparql Queries In Semantic Web Applications Using Php", 2017 Ieee 11th International Conference On Semantic Computing (Icsc), pp. 276-277, 2017.
DOI: [10.1109/ICSC.2017.29](https://doi.org/10.1109/ICSC.2017.29)