



FAHAD HAMED ALSHAMMARI

C.V.

BIOGRAPHY

Fahad H. Alshammari is a Ph.D holder - University of Malaya (UM) in Malaysia 2013. He is an Associate Professor in the College of Computing and Information Technology at Shaqra University in Saudi Arabia. He is a Software Engineering Specialist with over 15 years of experience. He is interested in practical and theoretical Software Engineering Researches. His contributions are in the field of Software Engineering practices and methodologies. He had guided significant projects as well as many students have completed their value-added researches under his supervision. His contributions to the society are not limited only towards research but he had expanded his zone of action in consultancies for various national level organizations in Saudi Arabia.

LANGUAGES

- Arabic: Native.
- English: Excellent and Fluency.

AWARDS AND SELECTED CERTIFICATIONS

- 2012/ Award of scientific excellence of the cultural attaché in Malaysia.
- 2011/ Award of scientific excellence of the cultural attaché in Malaysia.
- 2010- Oct/ Award of scientific excellence of the cultural attaché in Malaysia under the patronage of HE Minister of Higher Education.
- 2010- Mar/ MFQAsia certificate: Introduction to Capability Maturity Model Integration (CMMI) V1.2. MFQAsia is SEI Partner for CMMI.
- 2007-Jun/Shield of academic excellence after obtaining a master's degree from the cultural attaché in Jordan.
- 2007 /Method Certified Specialist in Rational Unified Process of Software Engineering. Method is partner with IBM institute for Software Engineering.

JOB, SCIENTIFIC AND CULTURAL PARTICIPATIONS:

- Dean of Graduate Studies Deanship at Shaqra University FROM 1440 H TO 1443 H.
- General Supervisor on Scholarship and Training at Shaqra University, Saudi Arabia. FROM 1439 TO 1443.
- Membership at a number of committees at Shaqra University.
- Vice Dean of Computing and Information Technology College, Shaqra University, FROM 1437 TO 1439H.
- Vice Dean of Information Technology Deanship, FROM 1436 TO 1437 H.
- Workshop on Academic Accreditation in Saudi universities, Shaqra University, 25-27/9/2016.
- Technology Transfer between Universities and Business Sector to accelerate National Economic Growth, Ministry of Education 5/5/2015.
- Establishing a Guideline for a Comprehensive Quality at Information Technology Centers and Computer Technology Departments in Government Agencies, Ministry of Communication and Information Technology 13/5/2015.
- Digital Object Architecture (DOA) workshop in Riyadh at Communications and Information Technology Commission, 8 Sep 2015.
- Summit about Enterprise Content Management (ECM) in London – UK, 2-6 Nov 2015.
- PMO workshop in Manama – Bahrain, 19 Nov 2015.
- Participation in "YASSER" program for electronic transition, Shaqra University, 08-15.03.2015.
- Workshop on TCP / IP Protocol, the Ministry of Communications 09.09.2015.

INTERESTED IN

- Software Engineering.
- Systems Analysis and Design.
- Software Process Improvement (CMM, CMMI, Software Development Outsourcing).
- Requirement Engineering and Organizational Analysis (Requirements elicitation, analysis, modeling, prioritization and evolution)
- Agile Development.
- Software Change Management.
- Software Project Management.
- ERP Systems.
- Operating Systems.
- Decision Making Systems.
- Information Systems Management.
- Computer Networks.
- Machine Learning.
- Deep Learning.

SKILLS

- Excellent knowledge in programming with C, C++, and Java Script.
- Excellent Knowledge with ORACLE, and SQL.
- Excellent Knowledge in Software Process Improvement.
- Excellent Knowledge in Reference Models, CMMI, CMM.
- Excellent Knowledge in Requirement Engineering.
- Excellent Knowledge in Rational Unified Process (RUP) Concepts.
- Excellent Knowledge with System Analysis and Design.
- Excellent Knowledge with Machine Learning.
- Good Knowledge in Testing Concepts and Automated Testing Tools, such as Rational Robot, TestManager, and Functional Tester.
- Excellent Knowledge in Change Management Concepts, and in Rational Tools for Change Management such as "ClearQuest".
- Very good knowledge in Computer Networks.
- Very skilled with computers and other electronic devices that have a computerized system.
- Talented in the field of maintenance in both software and hardware components of a system.
- Achieve remarkable results before deadlines, and able to work under extreme pressure (INSHA ALLAH).

PUBLICATIONS

- **Fahad H. Alshammari**, "Reviewing the Mapping of CMMI and Agile Practices", IEEE Transactions on Software Engineering, Vol. 48, Num. 11, 2022. (ISI Citation indexed)
- **Fahad H. Alshammari**, "Trends in Intelligent and AI-Based Software Engineering Processes: A Deep Learning-Based Software Process Model Recommendation Method", Computational Intelligence and Neuroscience, vol. 2022, Article ID 1960684, 11 pages, 2022. (ISI Citation indexed)
- **Fahad H. Alshammari**, "Design of System-of-System Acquisition Analysis Using Machine Learning", *Complexity*, vol. 2022, Article ID 4981539, 15 pages, 2022. (ISI Citation indexed)
- **Alshammari, F.H.** Cost estimate in scrum project with the decision-based effort estimation technique. *Soft Comput* (2022). (ISI Citation) indexed)
- **Fahad H. Alshammari**, "Analytical Evaluation of SOA and SCRUM Business Process Management Approaches for IoT-Based Services Development", Scientific Programming, vol. 2022, Article ID 3556809, 14 pages, 2022. (ISI Citation indexed)
- **Fahad H. Alshammari**, "Software Defect Prediction and Analysis Using Enhanced Random Forest (extRF) Technique: A Business Process Management and Improvement Concept in IOT-Based Application Processing Environment", Mobile Information Systems, vol. 2022, Article ID 2522202, 11 pages, 2022. (ISI Citation indexed)
- **Fahad H. Alshammari**, "Linear Prediction Model for Effort in Programming based on User Acceptance and Revised use Case Point Method" International Journal of Advanced Computer Science and Applications(IJACSA), 8(11), 2017. (ISI Citation indexed)

- **Fahad H. Alshammari**, “Electricity Smart Meters Based on Wireless Networks in Saudi Arabia”, *American Journal of Software Engineering*, 2017, Vol. 5, No. 1, 27-35. (Refereed journal)
- **Fahad H. Alshammari**, “An Efficient Approach for the Security Threats on Data Centers in IOT Environment” *International Journal of Advanced Computer Science and Applications*, 8(4), 2017. (ISI Citation indexed)
- **Fahad H. Alshammari** and Rodina Ahmad “Identification of Factors that Affect the Transition Time between CMMI Levels from Geographical Region Perspective: An Empirical Study.” *International Arab Journal of Information Technology*. 2011. (ISI Citation indexed).
- **Fahad H. Alshammari** and Rodina Ahmad “An Empirical Study on Factors that Affect the Transition Time between CMMI levels in Saudi Arabia.”. *African Journal of Business Management*. 2011 (ISI Citation indexed).
- **Fahad H. Alshammari** and Rodina Ahmad. “A Reference Model for Transition Time Factors of Capability maturity Model Integration (CMMI)”. *International Arab Journal of Information Technology*. 2012. (ISI-Cited Publication)
- **Fahad H. Alshammari** and Rodina Ahmad “The Effect of Geographical Region on the Duration of CMMI-Based Software Process Improvement Initiatives: An Empirical Study”. *2010 2nd International Conference on Software Technology and Engineering ICSTE 2010 San Juan, Puerto Rico, USA. October 3-5, 2010*. (ISI-Cited Publication).
- Mohammed Refai, Ahmad Sharieh and **Fahad Alshammari** “Leader Election Algorithm in 2D Torus Networks with the Presence of One Link Failure”. *International Arab Journal of Information Technology*, V. 7(2): pp105-114, April 2010. (ISI Citation indexed).
- **Fahad H. Alshammari**, Rami Alnaqeib, M. A. Zaidan, Ali K. Hmood, B.B.Zaidan and A.A.Zaidan , “ *New Quantitative Study for Dissertations Repository System* ” , *Journal of Computing (JOC)*, Vol.2, Issue 6, ISSN: 2151-9617, 30 June 2010, New York, USA. (Scopus Citation Indexed)
- Fadhel.S.AlAbdullah, **Fahad H. Alshammari**, Rami Alnaqeib, Hamid A.Jalab, A.A.Zaidan and B. B. Zaidan, ” *Analytical Study on Internet Banking System* ” , *Journal of Computing (JOC)*, Vol.2, Issue 6, ISSN: 2151-9617, 30 June 2010, New York, USA. (Scopus Citation Indexed)
- Rami Alnaqeib, **Fahad H. Alshammari**, M.A.Zaidan, A.A.Zaidan, B.B.Zaidan and Zubaidah M. Hazza ” *An Overview: Extensible Markup Language Technology*”, *Journal of Computing (JOC)*, Vol.2, Issue 6, ISSN: 2151-9617, 30 June 2010, New York, USA. (Scopus Citation Indexed)