Dr. Adel Sulaiman

Assistant Professor
College of Computer Science and Information Systems
Najran University
Saudi Arabia
+966569466633
aaalsulaiman@nu.edu.sa

EDUCATION

2016- 2019: PhD in Computer Science - Human Computer Interaction,
Honored to work with Dr. Stephen Gilbert and Dr. Les Miller, Virtual Reality
Applications Center, Iowa State University, Ames, Iowa (GPA: 4.0).
2011-2013: Master of Science in Software Engineering,
University of St. Thomas, St Paul, MN, USA (GPA: 3.57).
2003-2007: Bachelor in Computer Education and Technology,
King Khalid University, Abha Teacher College, Saudi Arabia with honor (GPA: 4.66).

AWARDS RECEIVED

Best poster award at GPSS conference 2018, Iowa State University
Full Scholarship for PhD in the USA, Najran University 2015.
Full Scholarship for MS, Najran University 2011.
Abha Award for Higher Education, 2008.
Computer Marathon Award, 2007.
Teachers Computer Club Award, 2007.
Honors degree, Teachers College in Abha, 2007.

WORK EXPERIENCE

2020-Present: Vice Dean for Development and Quality, Deanship of E-learning, Najran University.
2020: Assistant Dean, Deanship of E-learning, Najran University.
2019-Now: Assistant Professor, Computer Science Department, College of Computer Science and
Information Systems, Najran University,Saudi Arabia.
2019-Present: Research Unit Director, College of Computer Science and Information Systems, Najran
University.
2016- 2019: Graduate Research Assistant: HCI, VRAC, ALC group, Iowa State University, Ames, Iowa.
2013-2019: Lecturer in the College of Science, **,** Computer Science Department, College of Computer
Science and Information Systems, Najran University, Saudi Arabia.
2011-2013: Lab Consultant in the GPS department, University of St.Thomas, St.Paul, MN, USA.
2008-2013: Teaching Assistant, Computer Science Department, College of Computer Science and
Information Systems, Najran University, Saudi Arabia.
2007-2008: Teaching Assistant in the Computer Science department,
The Technical College, Abha, Saudi Arabia.

TAUGHT COURSES:

Human Computer Interaction
Computer Ethics
Cybercrimes
Selected Topics
Graduation Projects (I & II)

PROFESSIONAL SKILLS

Programming Languages: (Java, Visual Basic. Unity, python, R)
Operating System: (Windows, Mac, Linux, Windows server, virtual machine, AWS)
Database: (SQL, SQL developer, Oracle 11g, PowerDesigner, Hadoop, pig, R)
Web development:(Microsoft E Web, Dreamwaver, PHP, HTML, JQuiry, Java script,GWT)
General Programs: (MS project management, MagicDrow, WinSCP, Virtual reality apps, Augmented reality apps).

VALANTEER WORK AND COMMUNITY SERVICES

Student Volunteer at IEEEVR 2017 conference, Los Angeles.
Saudi Public Radio, interview about my experience in the USA.
Programming for k-12 workshops, outreach, CS department, ISU.
VRAC public tours, VRAC, ISU.
Technical Committee Member in the 2021 International Conference on Pattern Recognition and Intelligent Systems (PRIS 2021).
Technical Committee Member in the 2020 International Conference on Pattern Recognition and Intelligent Systems (PRIS 2020).
Technical reviewer of world scientific journals listed in ISI web of science Thomson Reuters, Advances in Data Science and Adaptive Analysis Journal
Guest Editor, Special Issue of International Journal of Quality Research, Scopus Indexed.
This Special Issue is reserved for ICCMIT 2020, Athens, Greece.
Technical reviewer in the International Journal of Data Science (IJDS)
Technical Committee Member in the International Conference on Communication and Information Processing, Tokyo, Japan,2020

PUBLICATIONS

Quasim MT, Shaikh A, Shuaib M, Sulaiman A, Alam S, Asiri Y. Smart Healthcare Management Evaluation using Fuzzy Decision Making Method. doi:10.21203/rs.3.rs-424702/v1.

Mahoto, Naeem A., Asadullah Shaikh, Mana S. Al Reshan, Muhammad A. Memon, and Adel Sulaiman. 2021. "Knowledge Discovery from Healthcare Electronic Records for Sustainable Environment" Sustainability 13, no. 16: 8900. https://doi.org/10.3390/su13168900

Shahzad B, Javed I, Shaikh A, Sulaiman A, Abro A, Ali Memon M. Reliable Requirements Engineering Practices for COVID-19 Using Blockchain. Sustainability. 2021; 13(12):6748. https://doi.org/10.3390/su13126748

Muhammad Ali Memon, Asadullah Shaikh, Adel Sulaiman, Abdullah Alghamdi, Mesfer Alrizq, Bernard Archimède. Time and Quantity Based Hybrid Consolidation Algorithms for Reduced Cost Products Delivery. Accepted in Computers, Materials & Continua. ISI Thomson Reuters, Impact Factor, 4.89, 2021.

Rashid Naseem, Zain Shaukat, Muhammad Irfan, Muhammad Shah, Arshad Ahmad, Fazal Muhammad, Adam Glowacz, Larisa Dunai, Jose Antonino-Daviu, Adel Sulaiman "Empirical Assessment of Machine Learning Techniques for Software Requirements Risk Prediction," Electronics, Vol. 10, No. 01, January 2021. (ISI, Impact Factor: 2.412, Q2)

A. Shaikh, M. S. AlReshan, Y. Asiri, A. Sulaiman and H. Alshahrani, "Tele-covid: a telemedicine soa-based architectural design for covid-19 patients," Computers, Materials & Continua, vol. 67, no.1, pp. 549–576, 2021.

Book chapter is accepted for publication in Studies in Fuzziness and Soft Computing book series By Springer. Research Challenges and Opportunities Towards a Holistic View of Telemedicine Systems: A systematic review Turki Alelyani , Asadullah Shaikh, Adel A. Sulaiman, Yousef Asiri, Hani Alshahrani, and Sultan Almakdi*

Asadullah Shaikh, Yousef Asiri, and Adel A. Sulaiman. (Editorial) Evaluating Critical Measures of Quality Management And Quality Control. International Journal for Quality Research, Vol. 14, No. 4 (2020), pp.985-988. Scopus and ESCI indexed, 2020.

Patanasakpinyo, T., Batinov, G., Whitney, K., Sulaiman, A., & Miller, L. (2019). Enhanced Prediction Models for Predicting Spatial Visualization (VZ) in Address Verification Task. EPiC Series in Computing, 58, 247–256. http://doi.org/10.29007/V9G3

Sulaiman, Adel, "Training and evaluation in a large-scale virtual environment for a location-based mobile application" (2019). Graduate Theses and Dissertations. 17573. https://lib.dr.iastate.edu/etd/17573

PatanasakPinyo, T., Batinov, G., Whitney, K., Sulaiman, A., Miller, L., Gilbert, S., Extracting Useful Features for Users with Different levels of Spatial Visualization, Proceedings of the 33rd International Conference on Computers and Their Applications (CATA 2018, Las Vegas, Nevada, March 19-21, 2018), pp. 86-91

PatanasakPinyo, T., Batinov, G., Whitney, K., Sulaiman, A., Miller, L., ObjectIndexing: A Solution to Grant Accessibility to a Traditional Raster Map in Location-Based Application to Accomplish a Location-Based Task, Proceedings of the 8th International Conference on Computer, Electrical, and Electronics Engineering and Technology (ICEEET 2018, Kyoto, Japan, April 17-18, 2018), pp. 126-131

*Sulaiman, A. Training and evaluation in a large-scale virtual environment for a location-based mobile application. Poster presented at: The Graduate and Professional Student Senate (GPSS) conference; May 2018; Iowa State University (*Best poster award*).*

Sulaiman, Adel."Using VR as a spatial ability training tool", GPSS conference,2018, ISU.*

Sulaiman, Adel,"VR training for low spatial ability people to improve navigation in an unfamiliar environment", industrial engineering conference, 2017, ISU.

RESEARCH GRANT

Title: Using Learning Analytics to Predict Student Performance in a Blackboard Learning Management System: Najran University Case Study
Researches: Adel Sulaiman, Aisha Mashragi, Anwar Ali, and Hanan Halwani
Grant No: NU/-/SERC/10/652 Najran University
Dates: April 2021 to April 2022
FPR: In Progress

Title: Tele-COVID A Telemedicine Architectural Design for C0VID 19 Patients
Researches: Asadullah Shaikh, Hani Alshahrani, Mana Al Reshan, and Adel Sulaiman.
Grant No: NU/ESCI/18/010 Najran University
Dates: April 2020 to April 2021
FPR: In Progress

Title: A Study of The Impact of COVID-19 on the Emergency Management Resources in Saudi Universities
Researches: Yousif Asiri, Adel Sulaiman, and Kothar Khalaf
Grant No: NU/ESCI/18/002 Najran University
Dates: April 2020 to April 2021
FPR: In Progress

Title: Using Data Analytics-based Approaches to Inform Decisions Making in Academic Programs
Researches: Adel Sulaiman, Anwar Esmail, and Ziad Alkhirisha.
Grant No: NU/ESCI/17/067 Najran University

Dates: March 2020 to March 2021
FPR: In Progress

PROFESSIONAL MEMBERSHIPS

Member | Data Visualization Society
Member | Cybersecurity for Children Association, Saudi Arabia
Member | Artificial Intelligence Society, Saudi Arabia
Member | ACM, Association for Computing Machinery
Member | IEEE Computer Society

REFERENCES

Dr. Stephen Gilbert
Virtual Reality Applications Center
Iowa State University,
Email: gilbert@iastate.edu

Dr. Abdullah AlAbas
College of Computer Science and Information Systems
Najran University
Email: alabas@nu.edu.sa