

Mounifah Alenazi

University Colleges at Al-Khafji
University of Hafr-ALBatin
E-mail: mkali@uhb.edu.sa

ACADEMIC EMPLOYMENT

University of Hafr-ALBatin (Formerly University of Dammam)

- Lecturer, Department of Science and Technology. Feb 2016 – Present
- Teaching Assistant, Department of Science and Technology. Feb 2011 – 2016

EDUCATION

University of Cincinnati, Cincinnati, Ohio, USA.

- Ph.D. in Computer Science and Engineering. Aug 2016 – Apr 2021
 - Cumulative GPA: 3.98 / 4.0.

Kennesaw State University, Kennesaw, Georgia, USA.

- M.S. in Computer Science. Jan 2014 – May 2016
 - Cumulative GPA: 4.0 / 4.0.
- Graduate Certificate in Software Engineering. Aug 2015 – May 2016
 - Cumulative GPA: 4.0 / 4.0.

University of Dammam, Jubail, Saudi Arabia.

- B.S. in Science and Education in Computer. Sep 2005 – Jul 2009
 - Graduated with College Honors.
 - Cumulative GPA: 3.48 / 4.00.

RESEARCH INTERESTS

Software Engineering, Requirements Engineering, Traceability, Mutation Analysis, and Model-Driven Engineering.

ACADEMIC AWARDS & HONORS

- Best Reviewer Award at the 21 IEEE International Conference on Information Reuse and Integration (IRI 2020).
- University Graduate Scholarship from University of Cincinnati for the Ph.D. program in Computer Science and Engineering (2016 – 2019).
- Outstanding Graduate Student Award (Kennesaw State University, 2016).
- SIGSOFT Travel Award for ASE (2019).
- US National Science Foundation (NSF) Travel Award for ASE (2019).
- US National Science Foundation (NSF) Travel Award for ESEC/FSE (2018).
- University of Cincinnati Travel Award (CEAS, GSGA) for ESEC/FSE (2018).
- Academic Leadership Development Workshop Certificate, ACADEMIC LEADERSHIP CENTER, Organized by Saudi Arabian Cultural Mission (SACM)- January 20, 2018.
- US National Science Foundation (NSF) Travel Award for GCT (2017).
- Kennesaw State University 4.0 GPA Club (Fall 2015).
- Member of the National Society of Leadership and Success (Fall 2015 – Present).
- Member of the Golden Key International Honor Society.
- Elected to SCLA Honor Society, Upsilon Pi Epsilon Honor Society, and Honor Society of Phi Kappa Phi.

PUBLICATIONS

CONFERENCES

- [1] Mounifah Alenazi, Nan Niu, and Juha Savolainen, “A Novel Approach to Tracing Safety Requirements and State-Based Design Models”, *42nd International Conference on Software Engineering (ICSE2020)*, Seoul, South Korea, July 6-11, 2020, pp.848-860.
- [2] Mounifah Alenazi, Nan Niu, and Juha Savolainen, “A Process Mining based Approach to Improving Defect Detection of SysML Models”, *Late Breaking Results Track at The 34th IEEE/ACM International Conference on Automated Software Engineering (ASE 2019)*, San Diego, California, United States, November 11–15, 2019.

- [3] Mounifah Alenazi, Nan Niu, and Juha Savolainen, “SysML Modeling Mistakes and Their Impacts on Requirements”, *9th International Model-Driven Requirements Engineering Workshop (MoDRE)*, Jeju Island, South Korea, September 24, 2019, pp. 14-23.
- [4] Mounifah Alenazi, “Leveraging Traceability and Obstacle Analysis to Ensure Requirements Fulfilment in Systems Engineering” , *Proceedings of the 12th Joint Meeting of the European Software Engineering Conference and the Symposium on the Foundations of Software Engineering (ESEC/FSE), Doctoral Symposium (Poster)*, 2018.
- [5] Mounifah Alenazi, Nan Niu, Wentao Wang, and Juha Savolainen, “Using Obstacle Analysis to Support SysML-Based Model Testing for Cyber Physical Systems”, *8th International Model-Driven Requirements Engineering Workshop (MoDRE)*, Banff, Canada, August 20, 2018, pp. 46-55.
- [6] Mounifah Alenazi, Deepak Reddy, and Nan Niu, “Assuring Virtual PLC in the Context of SysML Models”, *17th International Conference on Software Reuse*, Madrid, Spain, May 23, 2018, pp. 121–136.
- [7] Mounifah Alenazi, Nan Niu, Wentao Wang, and Arushi Gupta, “Traceability for Automated Production Systems: A Position Paper”, *7th International Model-Driven Requirements Engineering Workshop (MoDRE)*, Lisbon, Portugal, September 4, 2017, pp. 51–55.
- [8] Mounifah Alenazi, Nan Niu, Wentao Wang, and Birgit Vogel-Heuser, “Traceability for Evolving Automated Production Systems”, *Grand Challenges of Traceability: The Next Ten Years*, Kentucky, USA, April 1, 2017, pp. 28–30.
- [9] Nan Niu, Juha Savolainen, Wentao Wang, and Mounifah Alenazi, “Best of Both Worlds: Synthesizing the Human and Method Sides of Requirements Tracing”, *Grand Challenges of Traceability: The Next Ten Years*, Kentucky, USA, April 1, 2017, pp. 13–15.

JOURNALS

- [1] Wentao Wang, Nan Niu Mounifah Alenazi, and Li Da Xu “In-Place Traceability for Automated Production Systems: A Survey of PLC and SysML Tools”, in *IEEE Transactions on Industrial Informatics*, Volume: 15, Issue: 6, June 2019, pp. 3155-3162.
- [2] Wentao Wang, Nan Niu Mounifah Alenazi, Juha Savolainen, Zhendong Niu, Jing-Ru C. Cheng, and Li Da Xu “Complementarity in Requirements Tracing”, in *IEEE Transactions on Cybernetics*, Volume: 50, Issue: 4, April 2020, pp. 1395-1404.

PROFESSIONAL SERVICES

- Program Committee at the 22nd IEEE International Conference on Information Reuse and Integration for Data Science (IRI 2021).
- Program Committee at the 22nd IEEE International Conference on Information Reuse and Integration for Data Science (industry/application track) (IRI 2021).
- Program Committee at the 11th International Model-Driven Requirements Engineering (MoDRE), co-located with the 29th IEEE International Requirements Engineering Conference (RE 2021).
- Conference session chair, IRI 2020.
- Program Committee at the 21st IEEE International Conference on Information Reuse and Integration for Data Science (IRI 2020).
- Program Committee of the Posters and Demo track of the 28th IEEE International Requirements Engineering Conference (RE 2020).
- Student Volunteer at the 26th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), Lake Buena Vista, Florida, November 2018.
- Student Volunteer at the 18th International Conference on Software and Systems Reuse (ICSR 2019), Cincinnati, OH, June 2019.

TEACHING ASSISTANCE

University of Cincinnati

- CS2028C: Data Structures.

TEACHING

University of Hafr-ALBatin

- COMP 101N: Introduction to Information Technology.

- COMP 215N: Computer Networking.
- MATH 280N: Introduction to Programming.
- MATH 180N: Introduction to Computer Science.

REFEREES

- Available upon request.

[Mounifah Alenazi- Curriculum Vitae (April 2021)]