Name

Sameh Tawfiq AL-Shihabi

Education – degree, discipline, institution, year

-Ph. D. Industrial and Manufacturing Systems Engineering, Iowa State University, USA, 2002

-MS. Industrial and Manufacturing Systems Engineering, Iowa State University, USA, 1999

-B.S. Mechanical Engineering, University of Jordan, Jordan, 1995

Academic experience – institution, rank, title (if appropriate), when, full time or part time

-Associate Professor, Industrial Engineering Department, University of Jordan, 2010-current.

-Assistant Professor, Industrial Engineering Department, University of Jordan, 2005-2010.

-Assistant Professor, Mechanical and Industrial Engineering Department, Sultan Qaboos University, 2002-2005.

-Instructor, Research assistant and Teaching assistant, Iowa State University, 1996-2002.

Non-academic experience – company or entity, title, brief description of position, when, full time or part time

None

Certifications or professional registrations

Certified Management Accountant (CMA)

Current membership in professional organizations

Institute of Management Accountants

Honors and awards

- **Best research paper award-** Received along with Peter Merz and Steffen Wolf for Nested Partitioning for the Minimum Energy Broadcast Problem, presented at the Learning and Intelligent Optimization Conference II (2007) in Torino, Italy.

Service activities (within and outside of the institution)

-Offering free tutorials for the Jordanian Engineering Society members

-Member of the IE department's ABET accreditation committee, (2006)

-Member of the Engineering College computer's committee, (2005)

The most important publications and presentations

- Al-Shihabi, S. (2021). A Novel Core-Based Optimization Framework for Binary Integer Programs-the Multidemand Multidimesional Knapsack Problem as a Test Problem. *Operations Research Perspectives*, *8*, 100182.
- Wang, Y., Pan, S., Al-Shihabi, S., Zhou, J., Yang, N., & Yin, M. (2021). An improved configuration checking-based algorithm for the unicost set covering problem. *European Journal of Operational Research*.
- Sameh Al-Shihabi. A Hybrid of Max-Min Ant System and Linear Programming for the K-covering Problem. *Computers and Operations Research,* 76(2016), 1-11.
- Al-Shihabi, S., & AlDurgam, M. M. (2020). The contractor time–cost–credit trade-off problem: integer programming model, heuristic solution, and business insights. *International Transactions in Operational Research*, *27*(6), 2841-2877.

- Sameh Al-Shihabi and Sigurdur Olafsson. A Hybrid of Nested Partition, Binary Ant System, and Linear Programming for the Multidimensional Knapsack Problem, *Computers and Operations Research*, 37 (2010), 247–255.

The most recent professional development activities

Case method teaching seminar. Harvard Business Publishing Education. 2018