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MOHAMED KOMAKI

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EDUCATION

Ph.D., Systems Engineering **2018**
Case Western Reserve University, Cleveland, OH

M.Sc., Industrial Engineering **2010**
Mazandaran University of Science & Technology, Iran

B.Sc., Industrial Engineering **2007**
Sharif University of Technology, Iran

WORK EXPERIENCE

Spring 2018-Present	Assistant Professor Department of Marketing & Business Analytics Texas A & M University - Commerce Commerce, TX 75429
Fall 2012- Fall 2017	Graduate Research Assistant Case Western Reserve University Cleveland, OH 44106
Feb. 2009- Aug. 2011	Systems Analyst Golestan Province Electrical Power Distribution Company Gorgan, Iran

TEACHING EXPERIENCE

Spring 2018-Present	BUSA1308: Business Computing Systems BUSA326: Data & Information Management BUSA423: Business Analytics Programming BUSA424: Business Analytics Models BUSA428: Project Management BUSA523: Business Analytics Programming BUSA526: Database Management
Spring 2009- Spring 2010	Production Management Safety Regulations and Standards Systems Analysis

PUBLICATIONS AND PAPERS

Published Papers:

1. Malakooti, B. Komaki, M. (2017), Special Geometric Dispersion Theory of Decision Making Under Risk; *Decision Analysis, forthcoming*.
2. Komaki, M., Malakooti, B. (2017), General Variable Neighborhood search algorithm to minimize makespan of the distributed no-wait flow shop scheduling problem, *Production Engineering Research & Development*, 11, 315-329.
3. Komaki, M., Teymourian, E., & Kayvanfar, V. (2017) Improved Discrete Cuckoo Optimization Algorithm for the three stage assembly flowshop scheduling problem, *Computer & Industrial Engineering*, 105, 158-173.
4. Teymourian, E., Kayvanfar, V., Komaki, M. (2016). An enhanced intelligent water drops algorithm for scheduling of an agile manufacturing system, *International Journal of Information Technology and Decision Making*, 15(2), 239-266.
5. Komaki, M., Teymourian, E., Kayvanfar, V. (2016). Minimising makespan in the two-stage assembly hybrid flow shop scheduling problem using artificial immune systems, *International Journal of Production Research*, 54(4), 963-983.
6. S. Sheikh, M. Komaki, B. Malakooti, (2015). Integrated Risk and Multi-Objective Optimization of Energy Systems, *Computers & Industrial Engineering*, 90,1-11.
7. Komaki, M., Kayvanfar, V. (2015). Grey Wolf Optimizer algorithm for the two-stage assembly flow shop scheduling problem with release time, *Journal of Computational Science*, 8, 109-120.
8. Sheikh, S., Komaki, M., Malakooti, B. (2014). Multiple objective energy operation problem using Z utility theory, *The International Journal of Advanced Manufacturing Technology*, 74(9-12), 1303-1321.
9. Kayvanfar, V., Komaki, M., Aalaei, A., Zandieh, M. (2014). Minimizing total tardiness and earliness on unrelated parallel machines with controllable processing times, *Computers & Operations Research*, 41, 31-43.
10. Kayvanfar, V., Mahdavi, I., Komaki, M. (2013). A drastic hybrid heuristic algorithm to approach to JIT policy considering controllable processing times. *The International Journal of Advanced Manufacturing Technology*, 69(1-4), 257-267.
11. Kayvanfar, V., Mahdavi, I., Komaki, M. (2013). Single machine scheduling with controllable processing times to minimize total tardiness and earliness, *Computers & Industrial Engineering*, 65(1), 166-175.

Conference Presentations:

1. Komaki, M., Mobin, M, Teymourian, E., Sheikh, S., A general variable neighborhood search algorithm to minimize makespan of the distributed permutation flowshop scheduling problem, *ICEM 2015: 17th International Conference on Engineering Management*, October 8-9, 2015, Chicago, IL.
2. Komaki, M., Sheikh, S., Teymourian, E., Malakooti, B. Cuckoo Search Algorithm for Hybrid Flow Shop Scheduling Problem with Multi-layer Assembly Operations, *International Conference on Operations Excellence and Service Engineering*, September 10 – 11, 2015, Orlando, FL (***best track paper award***).
3. I. Mahdavi, V. Kayvanfar, M. Komaki, Minimizing total tardiness and earliness problem with controllable processing times using an effective heuristic, CIE40: The 40th *International Conference on Computers & Industrial Engineering*,
4. Shadrokh, S., Komaki**,** M. Project Risk Management Case Study, *the 4th International Project Management Conference*, August 20-21, 2008, Tehran, Iran (in Farsi).

Book & Book Chapter:

1. Sheikh, S., Komaki, M. Production and Operations Systems with Multi-Objectives, Instructor's Manual, *John Wiley & Sons*. 2013.
2. Sheikh, S., Komaki, M., Malakooti, B., Chapter 7: A class of Models for Microgrid Optimization, In *Big Data Analytics using Multiple Criteria Decision Making Models* (First Edition), Edited by Ramakrishnan Ramanathan, Muthu Mathirajan, A. Ravi Ravindran, CRC press Taylor and Francis Group, 2017, 177-189.

AWARDS AND HONORS

- College of Business Internship Advisor Award – TAMUC Fall 2018
- Best track paper award at the IEOM 2015 conference, Orlando, FL

PROFESSIONAL ACTIVITIES

Referee:

Scholarly Journals:

International Journal of Production Research

Computer and Industrial Engineering

European Journal of Operational Research

Systems Engineering (Wiley)

Conferences:

IEOM 2017 (Industrial Engineering and Operations Management), April 11-13, 2017, Rabat, Morocco.

IEOM 2016 (Industrial Engineering and Operations Management), September 23-25, 2016, Detroit, MI.

ICIT 2015 (IEEE International Conference on Industrial Technology), March 17-19, 2015, Seville, Spain

EEIC15 (International Conference on Environment and Electrical Engineering), June 10-13, 2015, Rome, Italy

FSDM 2016 (2nd International Conference on Fuzzy Systems and Data Mining), December 11-14, 2016, Macau

Conference Session Chair:

INFORMS 2016, Nashville, TN

IEOM 2016, Detroit, MI

Professional Membership:

Institute for Operations Research and Management Sciences (INFORMS)

Institute of Industrial and Systems Engineering (IISE)

Industrial Engineering and Operations Management (IEOM)

Production and Operations Management Society (POMS)