

**Name**

Abbas M. Al-Refaie

**Education – degree, discipline, institution, year**

PhD– Feng Chia University , Industrial engineering Taichung , Taiwan , Sep 2004 – Aug 2008

Master Degree in Industrial Engineering, University of Jordan, 1998 – 2001

BSc Degree in Industrial Engineering, University of Jordan, 1990 – 1995

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

Professor Of Quality Engineering – Industrial engineering 2016- Now

Associate Professor of Industrial Engineering– University of Jordan, 2012- 2014

Assistant Professor of Industrial Engineering – University of Jordan, 2008- 2012

Full-time Lecturer – University of Jordan, 2008- 2009

-13-year teaching in the University of Jordan

- 2-semester teaching in Duisburg University, German

- 2-semester part-time in the University of Science and Technology, Jordan

-Joint Research - KTH Royal Institute of Technology, Engineering, Sweden

- Chairman of Industrial Engineering Department - University of Jordan, Department of Industrial Engineering, 2012-2014

- Deputy Dean of Engineering, University of Jordan, 2016-2018.

- Dean of School of Engineering, University of Jordan, August, 2018- Sept., 2018.

- Short-term teaching mobility in Cyprus University, 2017

- Short-term teaching mobility, PUAS University, Greece

- Short-term teaching mobility, PUAS University, Lithuania, 2019

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

- Production engineer in a paper printing company, 1995-1996. Planning and controlling production of printed papers, implementing ISO9001, and developing production lines.

- Production planner in a wood industry, 1997-1999. Planning production and procurement orders for manufacturing lines. Manage the assembly and shipping department.

- Technical Manager, 2002-2004 in a metal working company. Developing production lines, commissioning new production lines, and improving lines performance.

**Certifications or professional registrations**

Jordan Association of Engineers

**Current membership in professional organizations**

Jordan Association of Engineers

Association of Quality engineers

Association of International Engineers

**Honors and awards**

-Aramex Award for graduation projects

-Award: The Distinguished researcher in Science award 2012, 2013, University of Jordan

-The supervision of the best graduation project in Jordan in 2014, Jordanian Engineers Association.

- The supervision of the best graduation project in Jordan in 2016 Jordanian Engineers Association.

- The supervision of the best graduation project in Jordan in 2017 Jordanian Engineers Association.

- The supervision of the best graduation project in Jordan in 2018 Jordanian Engineers Association.

- Ali Manko award for Distinguished Research in Science in Jordan, 2018.

- Distinguished Researcher Award, University of Jordan, 2020.

### **Service activities (within and outside of the institution)**

Erasmus Short-term teaching in international Universities

Funded research projects

Administration positions in the University of Jordan

Department and School committees

### **The most important publications and presentations**

-Abbas Al-Refaie, Mays Judeh, Ming-Hsien Li: Optimal Fuzzy scheduling and sequencing of multiple-period operating room. Artificial intelligence for engineering design analysis and manufacturing 04/2017;, DOI:10.1017/S089006041700026

-Abbas Al-Refaie, Abu Ghazaleh Y., Li MH: Optimizing performance of oil filling processes using fuzzy goal programming. ARCHIVE Proceedings of the Institution of Mechanical Engineers Part E Journal of Process Mechanical Engineering 1989-1996 (vols 03/2017;, DOI:10.1177/0954408917698847

-Abbas Al-Refaie, Dwair R., Li MH: Optimizing performance of Rigid polyurethane foam using FGP models. Journal of Ambient Intelligence and Humanized Computing 02/2017; DOI:10.1007/s12652-016-0441-9

-Abbas Al-Refaie: Barriers to E-Government Adoption in Jordanian Organizations from Users' and Employees' Perspectives. International Journal of Electronic Government Research 01/2017; 13(1), DOI:10.4018/IJEGR.2017010103

-Abbas Al-Refaie: Optimal multiple-period scheduling and sequencing of operating room and intensive care unit. Operational Research 01/2017;, DOI:10.1007/s12351-016-0287-0

-Abbas Al-Refaie, Rasha Abdullah, Ghaith Bani Domi: A genetic-fuzzy procedure to optimize process performance of multiple responses under uncertainty. Engineering Optimization 01/2017

-Mohammed Shurrab, Abbas Al-Refaie, Nabeel Mandahawi, Shorouq Shurrab: A Decision Making using Data Envelopment Aggressive Formulation and Theory of Constraints to Enhance the PVC Production Line Performance. International Journal of Industrial and Systems Engineering 01/2017;

- Al-Refaie, A., Abbasi, G. & Al-shalalkeh, H. Lean and agile practices to improve the performance of filling process via simulation and data envelopment analysis. SN Appl. Sci. 1, 1131 (2019). <https://doi.org/10.1007/s42452-019-1199-4>

- Al-Refaie, A., Al-Hawadi, A. Optimal fuzzy repairs' scheduling and sequencing of failure types over multiple periods. J Ambient Intell Human Comput (2021). <https://doi.org/10.1007/s12652-021-02896-5>

- Al-Refaie A, Abedalqader H. Optimal berth allocation under regular and emergent vessel arrivals. Proceedings of the Institution of Mechanical Engineers, Part M: Journal of Engineering for the Maritime Environment. 2021; 235 (2):642-656. doi:10.1177/1475090220937888

### **The most recent professional development activities**

- Teaching and Training in international Universities such as Malaysia, Cyprus, Greece.
- Attending international conferences; UK, Italy, Poland Bulgaria, Lithuania, Turkey, 207-2019.
- Reviewer in International journals and conferences
- Conducting funded research projects, KTH-Sweden; Duisburg-Germany, PUAS, Greece.
- Training in VGTU/Lithuania, 2019

