Eng. Shahnaz M. AlKhalil

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EDUCATION

- **M.Sc. in Industrial Engineering (2011) and B.Sc. in Industrial Engineering**
  Faculty of Engineering and Technology, University of Jordan, Amman- Jordan.

TEACHING EXPERIENCE

- **Full-time lecturer (now September 2013)**
  Department of Mechanical Engineering / Air Conditioning and Refrigeration Systems Engineering, Al-Zaytoonah University of Jordan, Amman, Jordan.

- **Part-time lecturer (Till 2013)**
  Mechanical Engineering Department, Faculty of Engineering and Technology, University of Jordan, Amman, Jordan. Teaching the following courses:
  - *Engineering Drawing and Descriptive Geometry.*
  - *Computer Aided Drawing ACAD, 2D & 3D.*
  - *Computer Skills & Matlab.*
  - *Computer Programming for Engineers.*

- **Teacher and research assistant (February 2009 – June 2011)**
  Industrial Engineering Department, Faculty of Engineering and Technology, University of Jordan, Amman, Jordan. *Statistics "Minitab", Simulation "Promodel", and Operation Research* and others.

- **Part-time lecturer (February 2008 – June 2008)**
  School of Technological Sciences, Industrial Engineering Department, German-Jordanian University, Amman- Jordan. Teaching the following courses:
  - *Computer Aided Engineering Drawing.*
  - *Manual Engineering Drawing.*

RESEARCH ACHIEVEMENTS AND PUBLICATIONS

- **Alkhalil, Shahnaz,** *Development of an Assessment Tool for the Implementation of Lean Production Principles in the Jordanian Industries*, Master Thesis in Industrial Engineering UF0702853 (M.Sc.), The University of Jordan, Amman- Jordan, Faculty of Engineering & Technology. JU-Library, 658.5009565 K45, 2011.

- **Alkhalil, Shahnaz and Bajow, Nidaa. Electronic Triage System (A263)**: Prehospital and Disaster Medicine Prehospital and Disaster Medicine (2011), 26: pp. s72-s79 Copyright © World Association for Disaster and Emergency Medicine 2011 DOI: 10.1017/S1049023X11002470, Published online: 25 May 2011. *Web link:* http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8276026.

- **Bajow, Nidaa and Alkhalil, Shahnaz. <u>Hospital Disaster Preparedness in Jeddah- Saudi Arabia</u>**, Scientific Endowment for Support of Researches (Waqf) in King Abdulaziz University, Jeddah- Saudi Arabia, 2011.

- **Mohammad D. AL-Tahat and Shahnaz M. Alkhalil, <u>Evaluation and Analysis of Lean-Based Manufacturing Equipment and Technology System for Jordanian Industries</u>,** World Academy of Science, Engineering and Technology, 64, pp. 1192-1198, 2012. *Web link:* https://www.waset.org/journals/waset/v64/v64-226.pdf

- **Alkhalil, Shahnaz and Bajow, Nidaa. <u>Evaluation and Analysis of Hospital Disaster preparedness in Jeddah</u>**, The Journal of the American Medical Association, (sent for publication, under review), 2013.

SKILLS PROFILE   **Industrial Engineering Management Skills:**

- The knowledge of lean and other industrial management principles.
- Different approaches and tools to qualitatively and quantitatively analyse supply chains and then assess their dynamic behaviour to identify opportunities for improvements.
- The knowledge and capability to educate others in Industrial Management topics.

Technical and Analytical Skills:

- ISO 26000- Guidance on Social Responsibility- Training Course, 2-5/9/2012.
- Strategic thinker with highly analytical decision-making and planning skills.
- Analyzing data, problems, checking for accuracy, comparing results and statistical analysis for the same.
- Writing for publication, writing proposals and research/ technical reports.
- Highly motivated, knowledge-hungry self-starter, creative troubleshooter, problem-solver, and willing to work in teamwork environments.
- Excellent interpersonal, communication, and presentation skills.

Computer Software Skills:

- *Promodel, SPSS, AMOS and Minitab* Software (Statistical Analysis Software).
- Microsoft Word, Excel, Outlook, PowerPoint and Visio.
- AutoCAD and Photoshop design.
- Able to learn and teach any computer software.

Language Skills:

- Arabic (mother tongue)
- English (fluent written and spoken)
- German (fair written and spoken).