

Education:

Wichita State University, Wichita, KS
Ph.D. in Industrial and Manufacturing Engineering
May 1996

Wichita State University, Wichita, KS
MS in Engineering Management
December 1991

University of Jordan, Amman, Jordan
BS in Civil Engineering
January 1988

Experience:

09-2012-present

Assistant Professor, Alfaisal University, Riyadh, Saudi Arabia.

Teach The following Course:

- Work System analysis and Design
- Human Factors Engineering
- Engineering Safety and Risk Analysis
- Production Planning

09/2011-09-2012

Assistant Professor, Taibah University, Medina, Saudi Arabia.

Teach The following Course:

- Engineering Economy
- Engineering Management

07/2010-09/2011

Production Manager, AllCell Technology, Chicago, IL

- Building Production Line for Li-Ion Battery Packs used in electric Cars
- Establish quality management system using ISO 9001:2000
- Process reengineering of the current process
- Research and development on the current product design

02/2004-present

(*Leave of absence*) **Assistant Professor**, Jordan University of Science and Technology, Industrial Engineering Department, Irbid, Jordan.

Teach the Following courses:

- Facilities Planning
- Engineering Economy
- Ergonomics(graduate and undergraduate course)
- Applied Statistics
- Design of Experiments (Graduate Course)
- Work Measurements
- Occupational Safety
- Project Management (Graduate course)
- Senior Projects

06-2007-09-2007 **Senior Research Associate**, Illinois Institute of Technology, Chemical Engineering Department, Chicago, IL, USA

- Process Planner: Developing a new process to optimize the scaling up production of Li-Ion batteries thermal management packs.

6/96-01/2004 **Full time lecturer**, ITT Technical Institute, Matteson, IL, USA .

Teach the following courses:

- Computer Aided Design: This include basic drafting and advanced parametric and none parametric solid modeling design.
- Material Sciences.
- Project Management
- Helpdesk Management
- Senior Projects

1/99-08/2001 **Adjunct Faculty**, Management Information Systems, Chicago State University, Chicago, IL.

Teach the following courses:

- Introduction to operations management.
- Advanced Decision Models.
- Introduction to Database Systems.

6/98-2/2004 **Adjunct Lecturer**, Computer Information Systems, Robert Morris College, Orland Park, IL.

Teach the following courses:

- Advanced Parametric Modeling.
- Linear Programming

8/90-2/96 **Teaching Fellow**, Industrial Engineering Department, Wichita State University, Wichita, KS.

Teach The following course

- Engineering graphics using AutoCAD.
- Advanced System Modeling (Simulation lab).
- Machine visions lab.
- Manufacturing process and control lab.
- Robotics lab

5/93-8/94 **GRA**, Industrial Engineering Department, Wichita State University, Wichita, KS.

Conducted researches in the areas of machine vision, and reverse engineering. The objective of this research is to develop CAD models for existing parts or prototypes from scanned data.

1/87-8/88 **Civil Engineer**, Amer construction Company, Amman, Jordan.

Worked as a site engineer for constructing enter-countries highways. My duties include pavement design, soil testing and structural analysis.

Graduate Research Supervision: I supervised three Master's thesis and served as an examiner of 10 different thesis

Consultations:

06/2006 –06/2010 **All-Cell Technologies, Chicago, Illinois.**

- Development of production and Process plan for manufacturing Li-Ion Battery Packs

- 09/2007-current **SunFocus, Chicago, IL**
- Development of production and process planning for manufacturing building integrated photovoltaic
- 08/2008-06/2009 **Greater Amman Municipality**
- Process reengineering to improve the process of different services provided by the municipality

Workshops Presentations

- System Engineering and Project Management, CERT, Abu Dhabi
- Work Measurements and process reengineering: Greater Amman Municipality, Jordan

None academic assignments

- Head of teaching assistant and scholarship affairs office, Taibah University
- Curriculum Development Coordinator, Taibah University
- Director of Business Incubator, Jordan University of Science and Technology
- Executive member of the Highest Safety Council, Jordan University of Science and Technology
- Faculty advisor of IIE Chapter, Jordan University of Science and Technology
- Accreditation Council of Independent Colleges and Schools, USA: Evaluating different programs in Engineering, Technology, and Information Systems
- ABET committee member, Jordan University of Science and Technology
- Robot mission judge at First Lego League contest

Awards

- Fellowship: Wichita State University.1995-1996
- Teaching Excellence, ITT, USA, 1999, 2001
- Instructor of the year, ITT, USA, 2003

Publications

- Abdalla Alrashdan, Amer Momani, and Tamador Ababneh, “Activities Identification for Activity-Based Cost/Management Applications of the Diagnostics Outpatient Procedures”, *Journal for Healthcare Quality*, vol 34, No. 1, pp. 35-43, 2012.
- Abdalla Alrashdan, Ahmad T. Mayyas, Adel Mahmood Hassan and Mohammed T. Hayajneh, “Drilling of Al-Mg-Cu alloys and Al-Mg-Cu/SiC composites”, *Journal of Composite Materials*, Vol. 45, No. 20, pp.2091-2101, 2011.
- Abdalla I. Alrashdan Sinam Hijazeen, Batool Al-Nimri, “Ergonomic Wheelchair Ramp Slope Design for Disabled Populations, IIE proceedings, Cancun, Mexico, June, 2010.
- Abdalla Alrashdan, Ahmad Turki Mayyas, and Said Al-Hallaj, “Thermo-mechanical behavior of the expanded graphite–phase change material matrix used for thermal management of Li-ion battery packs”, *Journal of Materials Processing Technology*, Vol. 210, No.1, pp. 174-179, 2010.
- Abdalla Alrashda, Sohaib Sghaireen, and Mustaf Najm, “Ergonomic Theater Design Based on Anthropometrics and Visual Requirements to Reduce Neck Stresses”, *IIE Proceedings*, Miami, 2009, pp.925-930
- Adel Mahamood Hassan, Abdalla Alrashdan, Mohammed Hayajneh , Ahmad Turki Mayyas,” Wear behavior of Al–Mg–Cu–based composites containing SiC particles”, *Tribology International*, Vol.42, no.8,1230-1238, 2009.
- Mohammed Hayajneh, Adel Mahamood Hassan, Abdalla Alrashdan, Ahmad Turki Mayyas,” Prediction of Tribological Behavior of Aluminum–copper Based Composite Using Artificial Neural Network”, *Journal of Alloys and Compounds*, Vol.470, no.1, 584-588, 2009.
- Adel Hassan, Abdalla Alrashdan, Mohammad Hayajneh, and Ahmad Mayyas,”Prediction

of density, porosity and hardness in aluminum-copper-based composite materials using artificial neural networks”, *Journal of Materials Processing Technology*, vol.209, no.2, 894-899, 2009.

- Adel Mahamood Hassan, Mohammed Hayajneh, Abdalla Alrashdan, Ahmad Turki Mayyas, “Wear behavior of Al–Cu and Al–Cu/SiC components produced by powder metallurgy” , *Journal of Material Sciences*, Vol. 43, No.15, August 2008.
- Abdalla Alrashdan, Saeid Motavalli, Bopaya Bidanda, “Creation of Surface Models for Re-engineering of Manufactured Parts” , *International Conference of Production Research (ICPR)*, 2005.
- Alrashdan and S. Motavalli,”Automatic Segmentation of Digitized Data for Reverse Engineering Applications” , *IIE Transactions*, Vol.32, no.1: 59-69, January 2000.
- S. Motavalli, V. Suharitdamrong, and A. Alrashdan, ” Design Model Generation for Reverse Engineering Using Multi-Sensors ”, *IIE Transactions*, Vol. 30, no. 4, April 1998.
- S. Motavalli, V. Suharitdamrong, and A. Alrashdan, ”CAD Model Generation Using Non-Contact/Contact Methods”, *SPIE*, Vol.2067, 1993.
- A. Alrashdan, S. Motavalli, and Suharitdamrong, ” Development of Automated Part Image Reconstruction System” , *Proceedings of the First World Automation Congress*, Vol.1, 1994.
- A. Alrashdan, S. Motavalli,” Digitized Data Segmentation Using Neural Networks for Reverse Engineering Applications” , *SPIE*, Vol. 2350, 1994.

Professional Affiliation: IIE

Citizenship: US Citizen