

Abdalla Alrashdan
Alfaisal University
Riyadh, Saudi Arabia
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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, Chair, Alfaisal University, Riyadh, Saudi Arabia

07/2010-09/2012

Production Manager, AllCell Technology, Chicago, IL

02/2004-06/2010 **Assistant Professor**, Jordan University of Science and Technology, Industrial Engineering Department, Irbid, Jordan.

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 .

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

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

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

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

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

Graduate Research Supervision: I supervised two 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

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

- Department Chair: Alfaisal University 2014-2015, 2016-current
- Quality Assurance Director: Alfaisal University. Managing and coordinating the quality in the college of Engineering and leading the NCAAA accreditation process
- 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

- Teaching fellow, Wichita State University, 1995
- Teaching Excellence, ITT, USA, 1999, 2001
- Instructor of the year, ITT, USA, 2003

Funded Research

- Paraffin-graphite Phase change composite process development for commercial production, All Cell Technologies, USA.
- Phase Change Material enhancement using nanomaterial for thermal storage application, King Abdulaziz City for Science and Technology.
- Li-ion thermal management using phase change material used for high powered applications, Alfaisal University
- Anthropometric measurements of Saudi adults and effects of age, region and gender

Publications

- Abdalla Alrashdan ,Nouf Al Saud ,Lana Almalik , Daad Al Saud , Noura Aljawini, "Car's Seat Belt Design based on Pregnant Women Anthropometry", IEEE 6th International Conference on Industrial Engineering and Applications, 2019.
- Abdalla Alrashdan, Faysal Alghethber, Razan Khan,Salman Alomar" Elevator Capacity Design Based on Anthropometry and Proxemics", Proceedings of the 2018 IIE Annual Conference, Orlando, FL, May 2018.
- Abdalla Alrashdan, Aisha Alkaff and Shatha Khamis," Head and face anthropometric measurements for Saudi Arabian Females", Proceedings of IEOM conference, Kuala Lumpur, Malaysia, March, 2016, Bandung, Indonesia, March 6-8, 2018.
- Abdalla Alrashdan, Mohamed Albassam, Abdullah Alkohlani, and Meshal Alkadi" Anthropometry of Saudi Arabian male workers", Proceedings of IEOM conference, Kuala Lumpur, Malaysia, March, 2016, Bandung, Indonesia, March 6-8, 2018
- Abdalla Alrashdan, Alhanaouf, Yara Al Otaibi "Anthropometry of Saudi Arabian populations," IIE conference in Anaheim, Ca, 2016.
- Abdalla Alrashdan, Ali Mohammed" Norm
- ative Gripping Strength data and its Distribution among
- Middle Eastern Teenage and Young Adults , "Proceedings of IEOM conference, Kuala

Lumber, Malaysia, March, 2016.

- Alrashdan A, Alsharaeh E. Effects of graphene nanofillers on the energy storage properties of paraffin-based phase change materials. 10th International Conference on Composite Science and Technology 2016; Lisbon, Portugal.
- Alrashdan, Abdalla; Alsudairi, Lulua; Alqaddoumi, Amira” Anthropometry of Saudi Arabian Female College Students,” IIE Annual Conference. Proceedings, Montreal, Ca, 2014.
- Abdalla Alrashdan , Omar Bataineh, Mohammad Shbool,”Multi-criteria end milling parameters optimization of AISI D2 steel using genetic algorithm,” The International Journal of Advanced Manufacturing Technology, Volume 73, Issue 5, pp 1201-1212, 2014.
- 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.
- Ahmad Mayyas, Mohammad Hamasha, Abdalla Alrashdan, Adel M. Hassan, Mohammed Hayajneh.” Effect of Copper and Silicon Carbide Content on the Corrosion Resistance of Al-Mg Alloys in Acidic and Alkaline Solutions,” Journal of Minerals & Materials Characterization & Engineering, Vol. 11, No.4, pp.335-352, 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