

Suleiman Obeidat, Ph.D.
Industrial Engineering Department
Hashemite University, Zarqa, Jordan
Email: sulobeidat@hu.edu.jo
Cell: 001-405-474-4478

AREA OF EXPERTISE

Experience: 9 years of Academic Experience. 2 years as a head of the Industrial Engineering Department at Hashemite University/Jordan, rich experience in curriculum development and improvement, ABET consultant for Industrial Engineering Department for one year, 6 years of experience in electricity generating company, and 5 years as a research and teaching assistant. I have a Green Belt in Lean/Six Sigma from University of Oklahoma.

Research: Micromachining, Creep Testing, Wear measurement, CAD/CAM Applications, CAD Directed Inspection, CAD Tissue Engineering, Mathematical Modeling of Manufacturing Processes, Materials Science and Engineering, Lean/Six Sigma, Maintenance Management, FEA, and Engineering Education.

EDUCATION

- Ph.D. Industrial Engineering, May 2008

University of Oklahoma, Norman, Oklahoma USA

Dissertation Title: “**Adaptive Methods for Form Error Determination
In Discrete Point Metrology**”

- M.S. Mechanical Engineering, June 2000

University of Jordan, Amman, Jordan

Thesis Title: “**Performance of A/C Split Units Working by
R134a Replacing R22**”.

-B.S. Mechanical Engineering, June 1996

Jordan University of Science and Technology
Irbid, Jordan.

WORK EXPERIENCE

- **Associate Professor, Feb. 2016 – Now.**
Hashemite University
- **Head of the Industrial Engineering Department, Hashemite University,
Jordan, Sept. 2012 – Aug. 2014**

- Courses scheduling, program development, curriculum development and recruitment activities in the department.
 - **Assistant Professor, June 2008 – Feb. 2016**
The Hashemite University, Jordan
 - Teaching Industrial Engineering Courses and research developing, Students advising, and Labs Establishment.
 - Advising Masters students: two masters students in Non – destructive Testing Master Program.
 - **Instructor, Teaching and Research Assistant**
 - Teaching and Research Assistant, University of Oklahoma, **Aug. 2004 – May 2008**
 - Jordan University of Science and Technology, Irbid, Jordan, **Aug. 1997 – May 1998, Aug. 2001- May 2003.**
 - **Operation and Maintenance Engineer, May 1997 – July 2003.**
- Operation and Maintenance Engineer (Shift Engineer), Central Electricity Generating Company, (CEGCO), Jordan. Generating Electricity using Gas Turbines made by GE.

PROJECTS

- Age hardening of Mg-Mn based alloys, **2014.**
- CAD directed inspection for Cylinders and free form surfaces **2011/2012.**
- Maintenance management system for Al Hussein thermal power station in Jordan **2010.**
- Design and Economic Evaluation of Solar Lighting System, **2009.**
- Modification of a Dishwasher Door Assembly, **2004.**
- Improving the Design of a Vise, **2004.**
- Designing a Dome using Finite Element Techniques, **2004.**
- Using the Cut Olive Tree Leaves as an Energy Source in Heating Boilers, **1996.**

PUBLICATIONS

- M. Aljarrah, **S. Obeidat**, Rami H. Fouad, M. Rababah, A. Almagableh and A. Itradat, Thermodynamic Calculations of the Mn-Sn, Mn-Sr and Mg-Mn-{Sn, Sr} systems, IET Science, Measurement & Technology, IET, Vol. 9, No. 6, pp. 681-692, 2015.
- M. Aljarrah, A. Alkhazali, **S. Obeidat**, A. Almagableh, and M. Rababah, "On Phase Equilibria of Sn-Sr and Mn-Sn-Sr Systems", Jordan Journal of Mechanical and Industrial Engineering, Vol. 8, No. 6, pp. 359-367, 2014.
- Ahmad AL_Fasfous, **Suleiman Obeidat**, and Mohammad Aljarrah, "Destructive and Non-Destructive Testing of the Weldment of Dissimilar Metals", International Journal of Applied Engineering Research, Vol. 10, No. 1, pp. 1737-1749, 2015.
- **Suleiman Obeidat**, Wisam Abu Jadayil, and Nabeel Mandahawi, , Intelligent Sampling for Inspecting Milled Flat Plates, International Review of Mechanical Engineering, Vol. 7, No. 4, pp. 767-773, 2013.
- **Suleiman M. Obeidat**, Nabeel Mandahawi, Rami H. Fouad and Wisam Abu Jadayil, "Intelligent Sampling for Inspecting Cylindrical Surfaces", Advances in Information Sciences and Service Sciences, Vol. 5, No. 12, pp. 46-55, 2013.
- **Suleiman M. Obeidat**, Rami H. Fouad, and Nabeel Mandahawi, "Maintenance Management and Quality Improvement in AL - Hussein Thermal Power Station", Advances in Information Sciences and Service Sciences, Vol. 5, No. 8, pp. 18-26, 2013.
- Nabeel Mandahawi and **Suleiman Obeidat**, "Six Sigma Implementation to Minimize Weight Variation for Baby Lido Diaper Manufacturing Company", International Journal of Six Sigma and Competitive Advantage, Vol. 7, Nos. 2-4, 2012.
- Nabeel Mandhawi, R. H. Fouad, and **Sulieman Obeidat**, "An Application of Customized Lean Six Sigma to Enhance Productivity at A Paper Manufacturing Company", Jordan Journal of Mechanical and Industrial Engineering (JJMIE) Vol. 6, No.1, February 2012.
- **Suleiman Obeidat**, Casmir Agbaraji, Wisam Abu Jadayil, and Nabeel Mandahawi, "Heterogeneous Femur Model Reconstruction for Improved FEA Analysis", International Review of Mechanical Engineering", Vol. 6, No. 3, pp. 320-324, 2012.
- **Suleiman M. Obeidat**, Rami H. Fouad and Nabeel Mandahawi, " Verification of New Sampling Methods On Small Scale Free Form Surfaces", Jordan Journal of Mechanical and Industrial Engineering, Vol. 6, No. 1, pp. 1-9, 2012.

- **Suleiman M. Obeidat** and Shivakumar Raman, "Process-guided coordinate sampling of end-milled flat plates", International Journal of Advanced Manufacturing Technology, 53:979–991, 2011
- Robin C. Gilbert, Shivakumar Raman, Theodore B. Trafalis, **Suleiman M. Obeidat**, and Juan A. Aguirre-Cruz, “Mathematical Foundations for Form Inspection and Adaptive Sampling”, Journal of Manufacturing Science and Engineering, Vol. 131, Transactions of the ASME, Vol. 131, 2009.
- **Obeidat S.**, and Raman, S., An Intelligent Sampling Method for Inspecting Free Form Surfaces, International Journal of Advanced Manufacturing Technology. Volume 40, numbers 11-12, pp. 1125 - 1136, DOI 10.1007/s00170-008-1427-3, February 2009.

CONFERENCES

- **Suleiman Obeidat**, Adnan Bashir, and Wisam Abu Jadayil, "The Importance of Class Attendance and Cumulative GPA for Academic Success in Industrial Engineering Classes", Proceedings of the 2012 International Conference on Industrial Engineering, Issue 61, pp. 1192-1195, January 2012 Dubai ,UAE.
- Nabeel Mandahawi, Adnan M. Mukattash and **Suleiman Obeidat**, " Weight Variation Reduction for Baby Lido Products through Six Sigma Methodology and Tools", Proceedings of the 2012 International Conference on Industrial Engineering and Operations Management, Istanbul, Turkey, pp. 1933-1937, July 3 – 6, 2012.

RESEARCH INTERESTS

Micromachining, Creep Testing, Wear measurement, CAD/CAM Applications, CAD Directed Inspection, CAD Tissue Engineering, Mathematical Modeling of Manufacturing Processes, Materials Science and Engineering, Lean/Six Sigma, Maintenance Management, FEA, and Engineering Education.

COURSES TAUGHT

- **Texas A&M University (2015 – Now):** Manufacturing processes I(Industrial Plastics). Manufacturing processes II (Machining, Joining Processes, Forming Processes, etc.), Product development and Solid Modeling, Manufacturing and Materials for Industrial Distribution Students.

- **University of Oklahoma (2007 – 2008):** Thermodynamics, Manufacturing Processes.
- **Hashemite University, Jordan (June 2008 – Sept. 2015):** CAD/CAM, Design of Machines Elements, Manufacturing Processes I, Manufacturing Processes II, Properties of Materials, Mechanical Behavior of Engineering Materials, Engineering Workshops, Properties of Materials Lab., Manufacturing Processes Lab.,
- **Jordan University of Science and Technology, Jordan (part timer one semester 2009):** Design of Engineering Experiments, for Masters Students.

TRAINING COURSES:

- Welding Technology.
- Design of mechanical parts using CAD/CAM softwares: ProEngineer
- Sheet metal forming Processes
- Machining using CNC machines
- OSHA

COMPUTER SKILLS

- CAD/CAM Software: Pro/Engineer, ProManufacturing(PROMFG), AutoCAD, POLYWORKS (Inspection).
- Finite Element Software : ANSYS
- MATLAB, Fortran, Minitab.
- Microsoft Word , Microsoft Excel, Microsoft power point.

CERTIFICATIONS

- Lean/Six Sigma Fundamentals, 2007.
- Green Belt Certificate, 2007.
- (POLYWORKS (Inspection)), Inspection process using Atomic Force Interferometer. University of Oklahoma.
- ‘ms 9001E’ Gas Turbine Unit: Mechanics, Operation, and MK V Control, GE_Energy Products, Belfort-France 2002.
- Gas Turbine SPEEDTRONIC MKV Trouble Shooting, GE Power System University, Scotland for Central Electric Generating Co. 2003, Jordan.
- 3D AUTOCAD (14) & STUDIO MAX (Ver.3), 2001.

ORGANIZATIONS

- Society of Manufacturing Engineers (SME), 9/2016 – Now

- Society of Manufacturing Engineers (SME), 2005-2006.
- Treasurer of SME in Industrial Engineering Department, The University of Oklahoma, **2005-2006**.
- Alpha Pi Mu, the National Industrial Engineering Honor Society.
- ABET Consultant in Industrial Engineering Department at the Hashemite University, Jordan, **2008 -2009**

✓ **REFERENCES: Provided upon request**