

## **Name**

Abdul Kareem M. S. Abdul Jawwad

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

- Ph.D. Metallurgy and Materials Engineering, The University of Birmingham, England, United Kingdom, July 2002.

-M.Sc., Industrial Engineering (Design and Manufacturing), University of Jordan, Amman-Jordan, August 1995.

-B.Sc., Industrial Engineering (Manufacturing), University of Jordan, Amman, Jordan, June 1992.

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

-Associate professor, 2013-current

From September 2008 to Present, Assistant Professor with the Industrial Engineering Department, The University of Jordan, Amman-Jordan

-From September 2002 to January 2008, Assistant professor with the Industrial Engineering Department, The Hashemite University, Zarqa 13115, Jordan.

-1/3/2001 to 31/12/2001: Postdoctoral research fellow, School of Metallurgy and Materials, The University of Birmingham, Birmingham, England, U. K.

-July 1994 to Sept.1996, Research engineer, University of Jordan Centre for Consultations, Technical Studies and Services, University of Jordan, Amman, Jordan.

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

-Technical expert / consultant: United States Agency for International Development (USAD).

-Technical Expert / Assessor: Jordan Accreditation System (JAC),

-Metallurgy and Failure Analysis Training specialist: SOS HR SOLUTIONS, P.O Box 46445, Abu Dhabi

-Aug.-1992 - Sept.-1993, Dies' manufacturing engineer, Universal Metal Extrusion Co., Amman Industrial Estate, Sahab-Jordan.

## **Certifications or professional registrations**

## **Current membership in professional organizations**

## **Honors and awards**

Distinguished paper in "The No. 1 Journal in Physical Metallurgy and Materials Science

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

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

-A. K. Abdul Jawwad and M. A. Barghash, Evaluating the Effects of Process Parameters on Maximum Extrusion Pressure Using a New Artificial Neural Network-Based (ANN-Based) Partial-Modeling Technique, International Journal of Advanced Manufacturing Technology, Accepted February 2013 (in press).

- M. Al-Tahat, A. K. Abdul Jawwad and Y. Abu Nahleh, Ordinal Logistic Regression Model of Failure Mode and Effects Analysis (FMEA) in Pharmaceutical Tableting Tools, Engineering Failure Analysis, Volume 27, 2013, Pages 322-332.
- A.K. Abdul Jawwad and A. Al-Bashir. A Comprehensive Model for Predicting Profile Exit Temperature of Industrially Extruded 6063 Aluminum Alloy, Journal of Materials and Manufacturing Processes, 2, (2011), 193-201.
- K. Abu Shgair A. K. Abdul Jawwad and A. Bashir, Characterizing (Ti,Al)N Film Coating Produced by Inverted Cylindrical Magnetron Sputtering For Metal Machining Applications, Journal of Reviews on Advanced Materials, 24(2010) 48-5.
- A. Bashir, A. K. Abdul Jawwad and K. Abu Shgair, Evaluating the Effects of High Velocity Oxy-Fuel (HVOF) Process Parameters on Wear Resistance of Steel-Shaft Materials , Jordan Journal of Mechanical and Industrial Engineering, 3, 2009, 157 - 160

**The most recent professional development activities**