

# **Adnan A. Al-Bashir, CSSBB**

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## ***EDUCATION***

- Ph.D.** Industrial Engineering, Florida State University, 2003
- MS.** Industrial & Management Engineering, University of Jordan, 1991
- B.S.** Civil Engineering, University of Jordan, 1986

## ***EMPLOYMENT***

- ***Assessor for The King Abdullah II Award for Excellence in Government Performance and Transparency***
- ***Consultant for Implementing Six Sigma in an International Company, Italy – Milan***
- ***Consultant for Jordan Local Government Development Program for Quality Service Improvement (QSIP)***

- Nov. 2010 – Present      **The Hashemite University, Industrial Engineering Department, Zarqa, Jordan**
- Associate Professor, Industrial Engineering Department.
- Aug. 2003 – Oct. 2010      **The Hashemite University, Industrial Engineering Department, Zarqa, Jordan**
- Assistant Professor, Industrial Engineering Department.
- Aug. 2000- Aug. 2003      **Florida State University, Department of Industrial Engineering, Tallahassee, FL**
- ***Teaching Assistant for Graduate, and Undergraduate Courses in the Department***
  - ***Coordinator and Teaching part of the “First Year Engineering Lab” course (+180 students in each semester)***
  - ***Perform the Strategic Implementation Planning for Challenger Learning Center***
  - ***Projects Manager for the Multidisciplinary Design and Technology Clinic (MDTC) for the period ( May,2002- January 2003)***

1992 – 2000 **Consolidated Contractors International Company S.A.L, Athens, Greece.**

1997 – 2000 **Senior Project Engineer/ Proposal Manager - Managing Office –**  
Athens, Greece

- Prepared Tender Bid Estimates for various civil construction projects and coordinated the activities of others involved.
- Ensured that proposal documents were prepared and submitted on time to satisfy Client's tender requirements and regulations.
- Performed special assignments of following up and negotiations with multi-national Joint-Venture partners for major projects in the Middle East.

1996 – 1997 **Control Manager - Mahalapye, Botswana**

*Project:* North South Carrier Project (NSCW)

A Five- Contractor Joint Venture Consortium job which involves a 360-Km water carrying pipeline from a dam near Selebi-Piwke North in the north of Botswana to the Capital Gaborone.

*Client:* The Water Utilities Corporation.

*Contract Value:* US \$210 Million.

1993 – 1996 **Office Engineer – Cost & Planning - Abu Dhabi, UAE**

*Project:* Thamama C & F Gas Gathering and Injection Project, THAM.  
Laying of 450 Km of pipes 3" to 16".Fabrication & Installation of piping at 65 gas well locations and 5 remote manifold.

*Client:* Eastern Bechtel Corporation.

*Contract Value:* US \$ 40.5 Millions

1992 – 1993 **Cost Control Engineer -- Masila, Yemen**

*Project:* Construction of a complete oil field installation including oil gathering system from 3 separate oil fields to a control production facilities (capacity 150,000 BPD), a cross country pipeline (140 kms.) to the sea and Export Terminal with offshore loading facilities.

*Client:* Canadian OXY Offshore Int'l. Ltd.

*Contract Value:* US\$ 310 Million.

1991 – 1992 **Quadratic Foundation for Engineering, Amman, Jordan**

***Design & Site Engineer***

Performed structural design of villas.

Estimated, planned and supervised of Civil & Industrial Projects

1988 – 1991 **University of Jordan , Amman, Jordan**

***Lecturer at Industrial Engineering Dept.***

***Research Assistant at the Industrial Engineering Dept.***

***Part time Lecturer at Jordan Institute of Management***

1986 – 1988 **University of Mu'tah, Karak, Jordan**

***Teaching Assistance in College of Engineering***

## ***HONORS AND AWARDS***

- Fall Technical Conference (FTC) Award, Fall 2002
- Florida State University Dissertation Research Grant, Fall 2002
- FAMU-FSU College of Engineering Award for the Best Senior Design Project, Spring 2002 (Project mentor and coordinator)
- Nominated for the Florida State University Outstanding Teaching Assistant award - 2003 among 1800 applicants.
- Marry G. Natrella scholarship award (2003), in Quality and Productivity Research Conference, Spring 2003

## ***ORGANIZATIONS***

- Member of the Association of Jordanian Engineers
- Member of the AACE International, USA.
- Member of the Project Management Institute (PMI) – USA.
- Member of Institute of Industrial Engineering (IIE)
- Vice President of Alph Pi Mu FAMU/FSU Chapter (Industrial Engineering Honor Society) for the period 2001/2002.
- Member of American Society for Quality (ASQ)
- Member of American Statistical Association (ASA)
- Member of Jordanian Society for Quality (JSQ)

## ***TEACHING AND RESEARCH INTERESTS***

Quality Engineering,	Total Quality Management
Six Sigma	Statistically Designed Experiments
Regression Methods	Introduction to Statistics
Advanced Applied Statistics	Business Process Reengineering
System Simulation	Operation Research & Optimization
Decision Analysis	Project Analysis and Design
Project Management	Quality Control
Risk Management	Cost Control & Cost Management
Performance Measures and Excellency awards	

## *Conference Proceedings and Publications*

- **Adnan Bashir**, and James Simpson, "Finding the Important Factors Among Many Factors in Designed Experiments," Proceedings for the 2002 IIE Annual Conference, Orlando, Florida, May 2002.
- **Adnan Bashir**, and James Simpson, "Constructing Improved Supersaturated Designs with Genetic Algorithms," Presented in the Joint Statistical Meeting, 2003 in San Francisco, California. August 3 - 7, 2003.
- **Adnan Bashir**, and James Simpson "Analysis of Supersaturated Design", Presented in Quality and Productivity Research Conference QPRC, 2003
- A.K. Abdul Jawwad and **A. Al-Bashir**, "Statistical Modeling of Thermal Spray welding of Steel-Shaft Materials for Wear Resistance", Proc. of The International Thermal Spray Conference-2005 (ITSC-2005), Basel, Switzerland, 2-4, May, 2005.
- **A. Al-Bashir** and B. Al-Naami "Statistical modeling for perception of images in stereoscopic displays utilizing virtual reality environment systems", ICCCE, May 2006, Malaysia
- A.K. Abdul Jawwad and **A. Al-Bashir**, Modeling Of The Aluminum Hot Extrusion Process- Part II Profile Exit Temperature Control, accepted for the international Conference on Modeling and Simulation 2006 (MS2006).
- **A. Al-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" ,JJMIE, Volume 3, Number 2, June. 2008, Pages 157 - 160
- A. Abu Hmidan, S. H. Ali, G. Swees and **A. Al-Bashir**, "Prediction Model for Construction Cost Duration in Jordan". Jordan Journal of Civil Engineering, Volume 3, Number 2, July 2008.
- S.Alshoubaki, R. Fuad and **A. Al-Bashir** " The implementation of Total Quality Management (TQM) for the banking sector in Jordan", Jordan Journal of Mechanical and Industrial Engineering (JJMIE), accepted for publication, July, 209
- B. Al-Naami, **A. Al-Bashir**. A"Statistical Approach for Brain Cancer Classification Using a Region Growing Threshold" Journal of Medical Systems, Accepted for Publication, 2009
- **A. Al-Bashir** and B. Al-Naami "A Fusion Technique Based on Image - Statistical Analysis for Detection of Throat Cancer Types" Jordan Journal of Mechanical and Industrial Engineering (JJMIE), accepted for publication, January, 2010.
- K. Abu-Shgair, M. AlHasan, A K Abdul Jawwad, **A. Al-Bashir**, H. H. Abu-Safe and M. H. Gordon "Characterizing (Ti,Al)N Film Coating Produced by Inverted Cylindrical Magnetron Sputtering For Metal Machining Applications", Review and Advanced Material Science, Accepted for Publication, January, 2010.

## ***Chapters in Reference Books***

- Adnan Bashir, Ogbonna Hopkins, and Samuel Awoniyi, “*An Introduction to Semi-Markov Process Computation With Machine Maintenance Illustrations*” (in press).
- Yousef Haik and Adnan Bashir, “MS Project 2000 as a Tool for Project Management,” *Engineering Design Process*, edited by Yousef Haik, Thomson Learning Academic Resource Center, CA, pp. 212-225, 2003.

## ***INSTRUCTING and TEACHING***

- EGN 1004L First Year engineering Lab (Fall 2000 – Present) - Florida State University FAMU-FSU college of Engineering, Tallahassee, FL.
- Cost Control Engineering, Human Factors, AutoCAD, Operation Research I, Engineering Statistical Analysis, and Project Management (1988-1991) University of Jordan, college of Engineering, Amman, Jordan.
- Probability and Statistics – Hashemite University, Fall 2003, Spring 2004-2006
- System Simulation – Hashemite University Spring 2004-2006
- Statistics II – Hashemite University Spring 2004-2006
- Decision Analysis – Hashemite University, Fall & Spring 2004, 2005, 2006
- Cost Accounting and Control – Hashemite University, Fall 2005
- Graduation projects on:
  - Applying Six Sigma in Manufacturing Jordan Industry
  - Effect of applying ISO 9000 on Jordan Industry
  - Applying Six Sigma in Service Jordan Industry
  - Implementation of Industrial Engineering Tools in Car Maintenance Center (Toyota)
- ESI 5408 Applied Optimization (Spring 2002, 2003) - Florida State University FAMU-FSU college of Engineering, Tallahassee, FL.
- ESI 5451 Project Analysis and Design (Spring 2002, Fall 2002, 2003) - Florida State University FAMU-FSU college of Engineering, Tallahassee, FL.
- Advanced Applied Statistics (graduate level) – University of Jordan, Fall 2003
- Advanced Simulation (graduate level) – University of Jordan, Spring 2004

- Advanced Simulation (graduate level) – The Hashemite University, Fall 2007
- Project Analysis & Design (graduate level) – The Hashemite University, Spring 2008

### ***TRAINING COURSES CONDUCTED***

Several training courses were conducted. The following are some of them:

- Project Analysis and Design – USA, 2002
- Engineering Data Analysis – USA, 2001
- Design of Experiments, - USA, 2001
- Project Management, - USA, 2001
- Project Scheduling and Planning – USA, 2000
- Project Management, Amman – Jordan, 2004
- Six Sigma, Amman - Jordan, 2004
- Six Sigma, Amman - Jordan, 2005
- Project Management Using MS Project, Amman – Jordan, 2005
- Risk Management, Amman – Jordan, 2005
- Cost Accounting and Control, Amman – Jordan, 2005
- Balanced Scorecards, Amman – Jordan, 2005
- Total Quality Management, Jeddah – KSA, 2005
- Risk Assessment and Crises Management, Amman – Jordan 2006
- Decision Analysis, Amman – Jordan, 2006
- Effective Leadership Styles, Jeddah – KSA, 2006
- Effective Project Management, Amman – 2006
- Business Process Reengineering BPR, Abu Dhabi – 2007
- Cost Accounting and Control, Amman – Jordan, 2007
- Maintenance Management, Abu Dhabi -2007
- Total Quality Management, Amman – Jordan, 2008
- Maintenance Management, Amman -2008
- Six Sigma Applications in Telecom. Amman – Jordan, 2008
- Professional Engineering Diploma, Amman- Jordan 2009
- Business Report Writing, Riyadh – KSA, 2009

### ***Consultancy work***

- ALHIKMA pharmaceutical company, Amman. Consultant for implementing Six Sigma in the company. Minimizing the amount of waste in some of their products.
- Jordanian Society for Quality (JSQ), Amman. Provide training courses and consultancy for Six Sigma and Quality Engineering implementation.
- Multidisciplinary Design and Technology Clinic (MDTC), Florida. Provide consultancy in project designs and their implementations.
- MODAL: Nuqol group, Amman. Joint consultant for improving the mechanical properties aluminum section profiles in its manufacturing process.
- Modal: Inventory control and warehouse management.
- Prefabricated Building Company (Ma'ani Prefab), Amman. Consultant for building the Balanced Scorecard System in the company.
- Diagnostic study for the Engineering Plastic Industries.
- Waste Reduction by Improving the Quality of the Pipe manufacturing at ENGINEERING PLASTIC INDUSTRIES CO. 'E P I'
- EPI: Material handling system for production lines.
- EPI: material requirement planning (MRP) and production scheduling
- Sicon Oil and Gas, Milan – Italy. Developing a Human Resource System.
- Jordan Local Governance Development Program, Quality Service Improvement Program (QSIP), Amman – Jordan.

### ***Quality Management and Six-Sigma Experience***

The following are some events related to my experience in Six Sigma from the period of 2000 – now.

- Attending a seminar from a Ford representative about Six Sigma concept. Florida state University, USA, Feb, 2002
- Participating in group discussion about Six Sigma implementation, during the IIE Annual Conference, *Orlando, USA*, May 2002
- Attending a course in Statistical Data Analysis, Florida state University, USA, Mar. 2002
- Attending a course in Design of Experiments and Response Surface Methodology, Florida state University, USA, Jan. 2001.
- Attending a course in Statistical Quality Control, Florida state University, USA, Dec. 2002
- Participating in group discussion about Six Sigma implementation, during the Quality and Productivity Research Conference QRPC *Philadelphia, USA*, May 2003

- Giving a seminar titled “Introduction to Six Sigma in Jordan Industries” at the JSQ, Amman-Jordan, Mar. 2004.
- Conducting a training course in How to implement Six Sigma Methodology in Jordan industry, at the JSQ, Amman-Jordan, June, 2004.
- Supervising three graduate projects at the industrial engineering department at the Hashemite University. The two projects were about applying Six Sigma in Jordan Industry. May 2004
- ALHIKMA pharmaceutical company, Amman. Consultant for implementing Six Sigma in the company. Minimizing the amount of waste in some of their products. 2003- 2005.
- Jordanian Society for Quality (JSQ), Amman. Provide training courses and consultancy for Six Sigma implementation. 2003- now.
- SICON OIL & GAS, Italy, Milan. Implementing Six Sigma for Design, Engineering and Procurement activities. 2006-2007.
- PALCO, Amman – Jordan, Six sigma implementation for manufacturing and customer satisfaction, 2009
- PEPSI: Inventory and warehouse control for the raw material in manufacturing, 2009