

# BASHAR H. SADER

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Palestine

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## SUMMARY OF QUALIFICATIONS

Doctorate degree, Production Management /Mechanical Engineering. Work background includes working as president assistant for planning, development, and quality, director of a quality assurance unit, assistant professor of Industrial Engineering, production engineer, and teaching and research assistant. Practical and research experience in improving the quality of service and manufacturing systems. Excellent problem solving, project management, mathematical modeling, research, and teaching capabilities. Developed excellent leadership and communication skills including presentation skills.

## EXPERIENCE

### **President Assistant for Planning, Development, and Quality**

*An-Najah National University, Nablus, Palestinian Territories*

**(7/08-present)**

- Coordinating the efforts to review and update the strategic plan of the University
- Directing the process of preparing implementation plans for the University's strategic plan in four main areas:
  - Undergraduate and graduate education
  - Scientific research
  - Community service
  - Administrative activities
- Overseeing the implementation of the strategic plan in the above four areas through working with specialized committees
- Reporting on the progress in implementing the strategic plan to the University President
- Representing the University in the strategic planning committee for higher education that is formed by the Palestinian Ministry of Education and Higher Education
- Organizing seminars and workshops related to strategic planning for University administrators at various levels
- Attending workshops on strategic planning in higher education institutions

### **Director, Quality Assurance Unit**

*An-Najah National University, Nablus, Palestinian Territories*

**(8/05-present)**

- Coordinating the internal review process of academic programs and cooperating with the Ministry of Education and Higher Education in the external-review process. The last phase of review included the Engineering and Information Technology programs
- Establishing and administrating the "good friend" program, which is a peer support program for faculty members
- Coordinating the efforts to improve and document the administrative duties of different departments in the University including writing job descriptions and standard operating procedures

- Organizing quality-related seminars for departments' heads in the university
- Writing fund-seeking proposals to support quality improvement in higher education institutions
- Participating in managing projects funded by the World Bank to improve quality in higher education institutions
- Coordinating the process of developing new curriculums for engineering programs based on ABET guidelines
- Attending various regional and international workshops on quality assurance and enhancement in higher education institutions including programs for faculty and curriculum development

### **Assistant Professor**

*Industrial Engineering Department*

*An-Najah National University, Palestinian Territories*

**(8/05-present)**

- Teaching classes in the area of Manufacturing Systems, Lean Techniques, Quality Control and Operations Research
- Coaching senior students in their capstone projects; mainly in the area of improving productivity and enhancing quality in manufacturing and service facilities
- Conducting research related to improving the performance of manufacturing and service facilities using lean techniques and simulation
- Participating in many department and faculty committees

### **Research and Teaching Assistant**

*Brigham Young University, Provo, Utah, USA*

**(10/99-5/05)**

*An-Najah, Nablus, Palestinian Territories*

**(3/97-8/98)**

*Mu'tah University, Karak, Jordan*

**(9/96-2/97)**

- Researched lean manufacturing and simulation of manufacturing systems
- Assisted 20-30 students in understanding the concepts of Statistical Quality Control, Operations Research and Optimization
- Used presentation skills to teach junior and senior students quality control and project management
- Taught Arabic as a foreign language

### **Production Engineer**

*Ash Grove Cement Company, Leamington, Utah, USA*

**(4/01-8/01)**

*National Aluminum and Profile Company, Nablus, Palestinian Territories*

**(6/96-9/96)**

- Built mathematical models for cement quality
- Generated production schedules to meet tight time and capacity constraints
- Helped implementing waste reduction methods using simulation and optimization techniques

## **SKILLS AND HONORS**

### **Software Skills**

- Extensive use of MATLAB and ProModel (simulation software)

### **Language Skills**

- Fluent in Arabic (native) and English (lived, worked and studied for 7 years in the USA)

## **Scholarships, Honors, and Memberships**

- Recipient of Mu'tah University Academic Scholarship (September 1993- February 1997)
- Listed on Mu'tah University's honor roll for four straight years
- Recipient of Brigham Young University Academic Scholarship (August 1998- April 2005)
- Member, Society of Jordanian Engineers

## **PUBLICATIONS**

- Sader, B. H., and C. D. Sorensen, "Deterministic and stochastic dynamic modeling of continuous manufacturing systems using analogies to electrical systems", Proceedings of the 2003 Winter Simulation Conference, 2003, pp 1134-1142
- Sader B.H., H. A. Arafat, and R. M. Ismail, "Effect of Academic Field on Student Evaluations of Faculty Members' Teaching Performance: A Palestinian Experience", accepted for publication in the proceedings of the IASK International Conference on Teaching and Learning 2008, Aveiro, Portugal, May 2008
- Arafat, H. A., B.H. Sader, and R. M. Ismail, ""What does it Take for Instructors to Score High in Rapport and Grading on Student Rating Forms at a Palestinian University?""", accepted for publication in the proceedings of the IASK International Conference on Teaching and Learning 2008, Aveiro, Portugal, May 2008
- Sader, B. H., and C. D. Sorensen, "A new modeling technique for production control schemes in manufacturing systems", under review at International Journal of Production Research

## **EDUCATION**

### **Doctor of Philosophy, Mechanical Engineering, *Brigham Young University*, Provo, Utah, USA**

- Dissertation title: "Development and application of a new modeling technique for production control schemes in manufacturing systems"
- GPA 3.95 on a 4.0 scale; August 2005

### **Master of Science, Mechanical Engineering, *Brigham Young University*, Provo, Utah, USA**

- GPA 3.94 on a 4.0 scale; August 2000

### **Bachelor of Science in Mechanical Engineering/Production Engineering, *Mu'tah University*, Karak, Jordan**

- GPA 92.89 on a 100 scale; February 1997