

CURRICULUM VITAE

Name: **IBRAHIM A. RAWABDEH, Ph.D.**
Position: Associate Professor Industrial Engineering Department,
University of Jordan, Amman, Jordan
Address: P.O. Box 19222 Amman (11196), Jordan
Tel (5153131) Home, (5355000-2793) Office,
Mobile: 0777305002
Fax (5167350), E-mail: rawabdeh@ju.edu.jo

QUALIFICATIONS

Doctor of Engineering Industrial Engineering, Cleveland State University,
Cleveland, Ohio, USA, June 1997
Master of Science Industrial Engineering, Cleveland State University,
Cleveland, Ohio, USA, September 1994
Master of Science Mechanical Engineering, The University of Jordan, Amman,
Jordan, June 1993.
Bachelor of Science Mechanical Engineering, The University of Jordan, Amman,
Jordan, January 1990.

EXPERIENCE

Associate Professor Industrial Engineering Department, University of Jordan,
Amman, Jordan, February 2004 to present
CEO Amman Chamber of Industry, March 2008 – March 2010
Managing Director Faculty-For-Factory Program, June 2003-2007
General Manager Euro-Jordanian Advanced Business Institute, Amman, Jordan,
October 2005, to October 2006
Managing Director Center for consultation, Technical Services and Studies,
University of Jordan, November 2003 to October 2005.
Managing Director HTMCO-Sukhtian Group, Amman, Jordan, June 2002 to June
2003.
Chairman, Industrial Engineering Department, University of Jordan,
Amman, Jordan, September 1999 to September 2002.
Assistant Professor Industrial Engineering Department, University of Jordan,
Amman, Jordan, September 1997 to February 2005.
Research Assistant Advanced Manufacturing Center at Cleveland State University,
Cleveland, Ohio, USA.
Research Assistant Cleveland State University, Industrial Engineering Department,
Cleveland, Ohio, USA, September 1993 to September 1994
Teaching Assistant Cleveland State University, Industrial Engineering Department,
Cleveland, Ohio, USA, September 1995 to June 1996.
Mechanical Engineer The Technical group, Amman, Jordan, June 1992 to June 1993
Mechanical Engineer Immaj Company, Riyadh, Saudi Arabia, March to September
1990

SPECIALIZED SKILLS

- Good problem solving skills, team worker, and innovative
- Computer Skills: Good working with Windows Applications (Microsoft Word, Excel, Power Point)
- Able to approach problems from different prospective and grasp the consequence of different solutions
- Excellent Leadership Charisma
- New ideas generator and implementer

AREAS OF INTEREST

- Excellence Models
- Strategic Planning
- Total Quality Management
- Operations Management/ Production Planning and Control
- Entrepreneurship
- Learning Organizations

CAWARD/PROFESSIONALIVITIES

- Recipient, Research Assistant Scholarship, Cleveland University, Cleveland State University, Ohio, USA (1994-1997)
- Member of the Society of Manufacturing Engineers
- Member of the Institute of Industrial Engineers
- Member of the Association of Jordanian Engineers
- Member of the Jordanian Society for Quality
- Member of the Society of Jordanian Industrial Engineers
- Young Entrepreneurship Association
- Member and founder of Jordan Human Resources Management Association
- Member of the Strategic Plan Steering Committee of the Greater Municipality of Amman.
- Member of the Steering Committee of the Entrepreneurship Development (EMPRETEC-UNCTAD Program)
- Member of the steering Committee of the Agro-Industry Incubator, University of Jordan
- Member of the Steering Committee of the University-Industry Partnership Council
- Member of the Jordan National Industry Support Commission
- Member of the Steering Committee of the Quality Management Master Program at the Deanship of Graduate Studies, University of Jordan
- Member of the steering committee of "Developing the Science and Technology Strategic Plan" for The Higher Council of Science and technology.
- A winner of the Ministry of Higher education and Scientific Award for The Second Best Project in the Faculty-For-Factory Program.

PUBLICATIONS

Journals

- [1] **Rawabdeh, I.** and Petersen, P., "In-line Monitoring of Injection Molding Operations: a Literature Review" J. of Injection Molding, June 1999, vol. 3, No. 2. pp 47-53
- [2] **Rawabdeh, I.** and Petersen, P., "Ultrasonic Detection of Filler Concentration in Plastic Injection Molding" J. of Injection Molding, June 1999, vol. 3, No. 2, pp. 54-60.
- [3] Al-Basam, M., Adel, M.B., Kitan, H., **Rawabdeh, I.**, "Modeling Integration of CAD and Inspection Planning of Simple Element Features", Integrated Manufacturing Systems, 2002, Vol. 13 No. 7, pp. 498 – 511.
- [4] Abu Farah, D., **Rawabdeh, I.**, Al-Nadi, D., "Neural Networks Control of the Filling and Packing Stages of Thermoplastic Injection Molding Process", Journal of Injection Molding Technology, June 2001, Vol. 5, No. 2.
- [5] **Rawabdeh, I.** "Assessment of Products' Standards in Jordanian Manufacturing Companies" Benchmarking: an international Journal, Vo. 9, No1, pp. 28-42, 2002.
- [6] **Rawabdeh, I.**, "Implement Industrial Clusters Methodology in Jordan", Industrial Engineering Department, University of Jordan, Report-2002,
- [7] **Rawabdeh, I.**, "Monitoring the Failure Mechanisms of a Fiberglass Composite Material Using Acoustic Emission", Journal of Dirasat, Vo. 30, No. 1, pp. 98-111, April 2003.
- [8] Adel, M.B., **Rawabdeh, I.**, "Solving Product Loading-Sequencing in Make-to-Order Environment Using Expert Systems" Journal of Dirasat, Vo. 30, No. 1, pp. 162-172, 2003.
- [9] **Rawabdeh, I.** Helow, H, and Abu-Hammad, M. "Minimizing Necking Defects in Aluminum Beverage Cans Using Experimental Design Techniques", Journal of Dirasat, Vol. 30, No. 1, pp. 84-97, April 2003.
- [10] **Tahboub, K.** and Rawabdeh, I., "A Design of Experiments Approach for Minimizing an Extrusion Blow Molding Process", Journal of Quality in Maintenance Engineering, Vol. 10, No. 1, pp. 47-54, 2004.
- [11] **Rawabdeh, I.** "A Model for the Assessment of Waste in Job Shop Environments", International Journal of Operations & Production Management, Vol. 8, pp. 800-822, 2005.
- [12] Abu-Al-Nadi, D., Abu-Fara, D., **Rawabdeh, I.**, Crawford, R., "Control of Rotational Molding Using Adaptive Fuzzy Systems", Advances in Polymer Technology, Vol. 24, No.4, pp. 266-277, 2005.
- [13] **Rawabdeh, I.** and K. Tahboub, "A Heuristic Approach for Computer-Aided Facility Layout", Journal of Manufacturing Technology Management, Vol. 17, No 8, 2006, pp. 962-986.
- [14] Abu Khadra, M., and **Rawabdeh, I.**, Assessment of the Development of the Learning Organization Concept", The Learning Organization Journal, Vol. 13 No. 5, 2006, pp. 455-474.
- [15] Suha O. Werikat, S.O. and **Rawabdeh, I.**, "Fuzzy Logic Application In Activity Based Costing System For Small And Medium Size Manufacturing Enterprises", Dirasat, Engineering Sciences, Volume 33, No. 2, 2006, pp. 158-174.
- [16] **Rawabdeh, I.**, "A Self-Assessment Model For King Abdullah II Award For Excellence", Dirasat, Engineering Sciences, Volume 33, No. 2, 2006, pp. 199-218.
- [17] **Rawabdeh, I.**, "The Role of Faculty-For-Factory Program in Developing The University-Industrial Relationship", Dirasat, Engineering Sciences, Volume 33, No. 2, 2006, pp. 175-186.

- [18] **Rawabdeh, I.** and Al-Hourani. K., "A Decision Support System for Locating A Manufacturing Facility in Jordan", *Mu'tah Lil-Buhuth_wad-Dirasat*, Vol. 21 No. 2, 2006k pp. 121-154.
- [19] Al-Tahat, M., and **Rawabdeh. I.** "Stochastic Analysis and Design of CONWIP Controlled Production System", *Journal of Manufacturing Technology Management*, Vol. 19 No. 2, pp. 253-273, 2008.
- [20] **Rawabdeh, I.**, "Jordan Quality Award: Characteristics and Benchmarking", *Benchmarking: An International Journal*, Vol. 15 No. 1, pp. 4-24, 2008.
- [21] Al-Momani, E. and **Rawabdeh, I.** "An Application of Finite Element Method and Design of Experiments for the Optimization of Sheet Metal Blanking Process", *JJMIE*, Vol. 2, No. 1, pp. 53-63, 2008
- [22] Al-Hadidi, L. and **Rawabdeh, I.** "Economic Analysis for Agility in Manufacturing Environment" *International Journal of Computer Applications in Technology*, Vol. 32, No. 3, pp. 232-241, 2008.
- [23] Al-Salaymeh, A., **Rawabdeh, I.**, Emran, S. "Economic investigation of an integrated boiler-Solar energy saving system in Jordan", *Energy Conversion and Management*, Dec 2009.

Conferences

- [24] **Rawabdeh, I.** "An Investigation of The Potential of Implementing Just-In-Time in Jordan", 7th International Conference on Production Engineering, Design and Control, Egypt, Alexandria, February, 2001.
- [25] Al-Basam, M., Adel, M.B., Kitan, H., **Rawabdeh, I.**, "Knowledge Based Computerized Process Planning for Electronic Assembly", *Proceeding of the 2nd Middle East Symposium on Simulation and Modeling*, August, 2000, Amman, Jordan, pp.191-202.
- [26] **Rawabdeh, I.** and Momani L., "Design and Development of a New Quality Function Deployment Software Tool", 12th International Conference on Design Tools and Methods in Industrial Engineering, Rimini, Italy, September 2001.
- [27] **Rawabdeh, I.**, "Ultrasonic Measurements of Polymer Density Variation in Plastic Injection Molding Process." 12th International Conference on Design Tools and Methods in Industrial Engineering, Rimini, Italy September 2001.
- [28] **Rawabdeh, I.**, "A Proposed Methodology for Improving University-Industry Relationship", *The Suitability of the Scientific Research to the Projects of Production Sectors in the Arab Countries Seminar*, Amman, Jordan, 21-23, November 2000.
- [29] **Rawabdeh, I.**, Editor of the proceedings of the "1st International Industrial Engineering Conference" Amman, 23-27, September 2001.
- [30] **Rawabdeh, I.** "Enhancing Education-Employment Relationship through Innovation, Entrepreneurship and Incubation Programs (A Case Study of Jordan), *Conference on Planning and Development of Higher Education and Applied Research in Arab Countries*, Aleppo, Syria, March 2002.
- [31] Yakoub, Z.H., Al-Bassam, M.A., Adel, M.B., **Rawabdeh, I.**, "Modeling Fixture Planning and Design Using Artificial Intelligence", *MESM' 2002*, September, Sharjah, UAE.
- [32] **Rawabdeh, I.**, "A Model For Developing Entrepreneurial Engineering Education", *Third Engineering Education Forum*, Sharja, UAE, October 2003.
- [33] **Rawabdeh, I.**, "Involvement of Industries In Engineering Education: A Case Study Of Jordan", *Third Engineering Education Forum*, Sharjah, UAE, October 2003.
- [34] **Rawabdeh, I.** and Hammad, M., "Performance Study of A Flat Plate Solar Collector With Stored Heat Capability Using Volcanic Tuff Materials", *Second*

- International Conference on Applied Thermodynamics (ATC'05) , May 18-20, 2005 ISTANBUL
- [35] **Rawabdeh**, I. and Younis, R., "A New Approach for Self-Assessment of Agility" 2nd International Industrial engineering Conference, (IIEC-2004), December 19-21, 2004, Riyadh, Kingdom of Saudi Arabia.
- [36] **Rawabdeh**, I., A Practical Model For Industry-University Collaboration, Second International Conference on Engineering Education & Training (ICEET- 2), April, Kuwait, 2007.
- [37] **Rawabdeh**, I. and Hadidi L., "A Conceptual Framework for Unpredictable Change in Agile Manufacturing Environment", the 37th CIE Conference on Computers & Industrial Engineering, 20-23 October 2007, Alexandria, Egypt.
- [38] **Rawabdeh**, I., "A Three-Dimension Model for Quality Function Deployment", The 37th CIE Conference on Computers & Industrial Engineering, 20-23 October 2007, Alexandria, Egypt.
- [39] Samhour, M., ALGhandoor, A., **Rawabdeh**, I., "Fuzzy Prediction of the Manufacturing Energy Consumption in Jordan, The 37th CIE Conference on Computers & Industrial Engineering, 20-23 October 2007, Alexandria, Egypt.

CONFERENCES, SEMINARS AND WORKSHOPS

- The First Italian-Jordanian Conference on Plastics Materials: Technology, Industry, and Environment, Amman, Jordan, 16-19 March 1998. (Participant).
- The Third Jordanian Mechanical and Industrial Engineering Conference, Amman, Jordan, May 1999. (Organizing Committee Member).
- "The First Seminar for Joint Scientific Research Between the University of Jordan and The Development Sectors in Jordan" University of Jordan, Amman, Jordan, June 14-15/1999.
- Chairman of the Organizing Committee of the Round Table entitled "The Industrial Development Policy of Jordan" November 1999.
- Chairman of the organizing committee for the First Recruiting Days-May 2000, and Second Recruiting Day-May 2001.
- Marketing and Industrial Design Development Seminar, Japan International Cooperation Agency (JICA), February 22-23, 2000, Amman, Jordan.
- The First Seminar on the "Importance of the Future Studies In Development Planning and Developing Scenario" The higher Council for Science and Technology, Amman, August 2000.
- Chairman of the Organizing Committee of the Seminars entitled "Made in Jordan-I", May 2001, "Made in Jordan-II" May 2002, and "Made in Jordan-III", November 2003.
- Chairman of the Organizing Committee of the "1st International Industrial Engineering Conference" that is going to be held in Amman, 23-27,2001.
- A member of the steering committee of the entrepreneurship development program (Empretec-UNCTAD program).
- Requirements for Technology Transfer and Assimilation in National Industries Workshop, Amman, Jordan, 7th June 2003
- Incubators and entrepreneurship Workshop, Engineering association, Amman, Jordan, 17th May 2003.
- Businesses Development Service Conference-Shaping Jordan's Industry with international best practices, USAID-AMIR program, 27-28 April, 2005.
- Excellence in Public Service Conference, " Excellence, Inc in cooperation with ministry of Public reform and King Abdullah II Award for Government Performance and Transparency, 18-19 September, 2005.
- Roundtable on Quality of Higher Education in The Arab World, Organized by The Mohammed Bin Rashid Al Maktoum Foundation, Dubai, August 30, 2008.

ATTENDED TRAINING COURSES

- "Human Affiliated Productivity Improvement – HAPPI" Course, Jordan-Japan Industrial Development Program, Amman, Jordan, August 28-30, 1999.
- "Training of Trainers for New Enterprise Creation" Workshop, UNIDO, Amman, Jordan, 2-13, September 2001.
- "Project/Resource Capacity Management in Contract R&D Research", UNESCO, Amman, Jordan, 28 October-1 November 2001.
- "Scenario Planning", GTZ, Amman, May 2002.
- "Entrepreneurship Training Workshop", EMPRETEC-UNCTAD program, Amman, Jordan, 27 July-7 August 2003.
- "Direct Exporting Workshop," Institute of management Consultation-Jordan, Amman, Jordan 8-10 September 2003.
- EJADA-Training for consultants in Diagnostic Studies, Action Plan Development and technical Proposal Writing Training Workshop," Held in Amman, 9th – 11th August 2004.
- "EJADA-Management of innovation Training Workshop" Held in Amman, 7th – 8th of December 2004.
- "Innovative Marketing Communications- Promoting and Selling Training in a Competitive Global Market" training workshop, IFC-North Africa (IFC/PEP-MENA) – Business Edge SME Management Training Program and SPAAC. Dec 17-19, 2005, Amman, Jordan.
- "Quality Upgrading Tools Workshop", Jordan upgrading and Modernization Program (JUMP), January 16-17, 2006, Amman, Jordan.
- TREE Program, Berlin, Germany, February 2008.
- EFQM European Assessors, April 2009.
- Faculty-For-Factory National Program
- Innovation Groups Project (IDP)
- Capacity Building for Parliamentarians (UNDP)
- Capacity Building for Governors (UNDP)
- Youth Empowerment Program (UNFPA)
- HIV/AIDS Culture sensitivity Issues in Jordan (UNESCO)
- Capacity Building for Iraqi Parliament Administrators in cooperation with State University of New York.
- The Perception of quality of education in Jordan (UNDP).
- Result-Based Management Training Workshop for members of Basra governorate/Iraq.

EXPERIENCE IN TQM/EXCELLENCE MODELS

- Team Leader of Assessors for the 1st Cycle of Sheikh Khalifa Government Excellent Program (SKGEP) Award/UAE, May-June, 2010.
- EFQM European Certified Assessor, April 2009.
- Member of Board of Assessors for the 6th Cycle of Dubai Government Excellence Program Award for Government Performance, February 2008.
- Member of Board of Assessors for the 1st Cycle of Muslim Excellence & Competitiveness Corporations' Award, July, 2007.
- Member of Board of Assessors for the 2nd Cycle of King Abdullah II Award for Government Performance and Transparency, January-April 2007.
- Member of Board of Assessors for the 5th Cycle of Dubai Government Excellence Program Award for Government Performance, January 2006.

- Member of Board of Assessors for the first Cycle of Mark of Best Practices Award for Business Associations, June 2007.
- Member of Board of Assessors for the 2nd Cycle of King Abdullah II Award for Government Performance and Transparency. June-August 2005.
- Author of a paper entitled "The Jordanian Quality Award: Characteristics, Benefits and Comparative Assessment". Benchmarking: An international Journal, to Member of Board of Assessors for the 2nd Cycle of King Abdullah II Award for Government Performance and Transparency. January-April 2007. To Member of Board of Assessors for the 2nd Cycle of King Abdullah II Award for Government Performance and Transparency. January-April 2007. To be published in January, 2008.
- Author of a paper entitled "A Self-Assessment Model for King Abdullah II Award for Excellence", DIRASAT Journal, 2006.
- Attended the "Examiner Preparation Course for the King Abdullah Award for Transparency and Government Performance", King Abdullah II Center for Excellence, 29-31 October, 2006, Amman, Jordan.
- Attended the Certified Mark of Best Practices Assessor Training Workshop, King Abdullah II Center for Excellence Center in cooperation with USAID-AMIR program, 17-20, July, 2006, Amman, Jordan.
- Attended the Certified EFQM Assessor Training Workshop, European Center for TQM, 27-30, January, 2006, Dubai, UAE.
- Attended the "Examiner Preparation Course for the King Abdullah Award for Transparency and Government Performance", King Abdullah II Center for Excellence, 11-14 June, 2005, Amman, Jordan.
- Attended the "Examiner Preparation Course for the King Abdullah II Award of Excellence", Industrial Development Directorate in corporation with Jordan-United States Business Partnership (JUSBP-USAID), 11-15 June, 2000.