

Fikri T. Dweiri, Ph.D.
Vice Dean, College of Engineering
Associate Professor, IEEM Dept.
University of Sharjah, UAE
Tel. 00971509330231

fdweiri@sharjah.ac.ae & fdweiri@yahoo.com

Education	Ph.D. in Industrial Engineering The University of Texas at Arlington, TEXAS, USA	8/95
	MSc. in Industrial Engineering The University of Texas at Arlington, TEXAS, USA	5/92
	BSc. in Industrial Engineering The University of Texas at Arlington, TEXAS, USA	5/90
	B.Sc. in Electrical Engineering Lamar University - Beaumont, TEXAS, USA	5/85

Experience	Vice Dean. College of Engineering, UoS, UAE	9/2018 – Now
	Assistant Dean for Graduate Studies & PhD in Engineering management Program Coordinator, UoS (UoS), UAE	9/2017 – 8/2018
	Vice Dean. College of Engineering, UoS, UAE	9/2013 – 8/2017
	Acting Chairman, IEEM Dept. UoS, UAE	9/2014 – 2/2015
	Chairman and Associate Prof. Industrial Engineering and Management Department University of Sharjah, UAE. <ul style="list-style-type: none"> • Led the UoS committee to develop Master and PhD programs in Engineering Management. The effort was successful in obtaining initial accreditation from the UAE ministry of Higher Education and Scientific Research 2013 • Led the department for successful ABET accreditation. (The program was accredited for two Criteria – IE and EM) in 2013 • The SSR was select as one of the well written SSR in IEEM by ABET (I was nominated by the UoS to represent the UoS at the ABET Symposium in Portland 2014) • Led the department for successful UAE full accreditation. • Led the IEM department for full accreditation by the UAE ministry of Higher Education and Scientific Research 2012. • Increased the enrollment of students from 7 to more than 500. 	9/2008 – 8/2013
	Associate Professor - IEM Dept. UoS, UAE	9/2007 – 8/2008
	Acting Dean, School of Technological Sciences German Jordanian University (GJU), Amman, Jordan <ul style="list-style-type: none"> • Responsible for establishing the following undergraduate programs in a newly established University: (Industrial Engineering and Management Systems, Mechatronics 	2/2006 – 8/2007

	Engineering, and Maintenance Engineering)	
	Coordinating Dean, Talal Abu Gahazaleh College of Business (TAGCB): <ul style="list-style-type: none"> • Responsible for establishing the following programs in the TAGCB till the dean was hired: Logistics Sciences, Management Sciences, and International Accounting. • Also responsible for coordinating the Master program in Quality Management 	3/2006–01/2007
	Associate Professor - Industrial Engineering Department Jordan University of Science and Technology (JUST) Irbid, Jordan	8/2005
	Assistant Professor - Industrial Engineering Department Jordan University of Science and Technology (JUST) Irbid, Jordan	9/2001 – 8/2005
	Chairman and Assistant Prof. - IE Department Jordan University of Science and Technology (JUST) Irbid, Jordan	9/99 – 8/2001
	Assistant Professor - Mechanical Engineering Department Jordan University of Science and Technology (JUST) Irbid, Jordan	9/96 – 8/99
	Graduate TA - The University of Texas at Arlington	1/92 – 6/94
	Operations Manager, Advanced Data Design, USA	10/86 – 5/88

Training Courses	Developed and delivered the following training courses to the local and international community: <ul style="list-style-type: none"> • Total Quality Management • Quality Management Tools • Certified Arab Quality Managers • Logistics Engineering and Management • Total Productive Maintenance • Maintenance Management • Principles of Project Management • Project Management Professional (PMP) • Basics of Economics 	Since 1998
-------------------------	---	-------------------

Students Clubs	Faculty Advisor for the UoS-IIE Now (IISE Chapter) (The first chapter in the UAE) The chapter won four consecutive gold awards from IIE	Since 2008
	Established the “ Quality and Productivity Club ” for students at JUST, Jordan	1997

Community Service	Guest Speaker, Project Management Congress Week, Alleem Business Congress, Sharjah, UAE	May 2016
	Guest Editor , Int. J. of Procurement Management, Special Issue on: "Emerging Engineering Management Technologies and Innovation in Supply Chain and Reverse Logistics with Industrial Applications"	2015
	UoS PhD EM program committee	Since 2013
	PhD Qualification Exam committee (General Management Part)	Since 2015
	Chairman of local organizing committee, CONVR14, UoS	2014
	Guest Editor, International Journal of Intelligent Enterprise, Special Issue on Innovative Supply Chain Management.	2013
	Local organizing committee, IFIAD, UoS	2008
	Committee member (Initial Accreditation of IEM program)	2007 - 2008
	Local arrangement committee member of IFIAD – UoS	11/2007
	Chairman, College Community Services Committee	2007
	Member of the College Teaching and Learning Committee.	2007
	Member of the College Council - UoS	2007 - now
	Chairman, 1 st International Symposium on Mechatronics Education– GJU	3/2007
	Advisory Board Committee Member for the Arab Knowledge and Management Society (AKMS) - Jordan	Since 2006
	Developed the Total Quality Management Tools Module (training program and Examination) for the Arab Certified Quality Managers (ACQM) overseen by AKMS Jordan	Since 2006
	Participant & Coordinator of Faculty for Factory (FFF) program – GJU	2006
	Participant of the Jordan Faculty for Factory (FFF) program JUST, Jordan	2005
	College Council Member, JUST, Jordan	2002-2005
	Chairman - IE dept. at JUST. MSc degree plan developing committee , Jordan	2001
	Coordinator “Managing of University-Industry Partnership” Training course held by UNESCO via distance learning. JUST, Jordan	2000
Member of an accreditation committee for the Jordanian Higher Education Council to follow up the industrial engineering program at the Applied Science University, Amman–Jordan.	1999	
Chairman - IE dept. at JUST- establishing and program developing committee , Jordan	1999	
Organizing committee member of the First Jordanian Conference on Quality	98	

Courses Taught	Graduate Courses at UoS	
	<ul style="list-style-type: none"> • Total Quality Management • Special Topics 	PhD courses
	<ul style="list-style-type: none"> • Engineering Management 	Masters course
	Graduate Courses at GJU	
	<ul style="list-style-type: none"> • Quality Management • Operations Management 	Masters courses
	Graduate Courses at JUST	
	<ul style="list-style-type: none"> • Reliability and Quality Control, • Project Management, • Design of Engineering Experiments, • Design of Experiments & Data Analysis, • Quality Management & Assurance. 	Masters courses
	Undergraduate Courses at UoS	
	<ul style="list-style-type: none"> • Quality Control and Improvement, • Industrial Automation, • Engineering Economics, • Operations Research I, • Introduction to Industrial Engineering, • Engineering Graphics, • Manufacturing Technology 	BSc Course
	Undergraduate Courses at JUST	
	<ul style="list-style-type: none"> • Design of Production Systems, • Applied Statistics, • Operations Research 1, • Production Planning and Inventory Control, • Quality Control, • Human Factors, • Automatic Control, • Instrumentation, • Engineering Workshop, • Engineering Drawing, • AutoCAD. 	BSc IE course
	<ul style="list-style-type: none"> • Automatic Control, • Instrumentation, • Engineering Workshop, • Engineering Drawing, • AutoCAD. 	BSc ME course
	Undergraduate Courses at GJU	
<ul style="list-style-type: none"> • Organizations Behavior, • Transportation Management. 	BSc – Logistics course	

Publications***Refereed Journals***

1. Sharfuiddin Ahmed Khan, Amin Chaabane, **Fikri Dweiri**, “Supply Chain Performance Measurement Systems: A Qualitative Review and Proposed Conceptual Framework”, International Journal of Industrial and System Engineering, Accepted, 2018.
2. AM Ubaid, **FT Dweiri**, SH Aghdeab, LA Al-Juboori, (2017), “ Optimization of Electro Discharge Machining Process Parameters With Fuzzy Logic for Stainless Steel 304 (ASTM A240)”, Journal of Manufacturing Science and Engineering, Vol. 140 (1), 011013 - (13 pages).
3. **Fikri Dweiri**, Sameer Kumar , Sharfuiddin Ahmed Khan, and Vipul Jain, (2016) “Designing an integrated AHP based decision support system for supplier selection in automotive industry” Expert Systems with Applications, Vol. 62, pp. 273-283.
4. Alaa Ubaid, **Fikri T. Dweiri**, and Khalid Al Shuhail, (2016) “Improving the Quality of Cold Merchandising Unit: An application of Quality Function Deployment (QFD)” International Journal of Intelligent Enterprise, Vol.3, No. 3/4, pp327-344.
5. Khan, S.A., **Dweiri, F.**, and Jain, V., (2016) “Integrating Analytical Hierarchy Process and Quality Function Deployment in Automotive Supplier Selection”, International Journal of Business Excellence, Vol.9, No. 2, pp156-177.
6. Sakhuja, S., Jain, Vipul., and **Dweiri, F.**, (2015) Application of an integrated MCDM approach for selecting outsourcing strategies in hotel industry, International Journal of Logistics Systems and Management, V. 20, No. 3, pp.304324.
7. **Dweiri, F.**, Khan, S.A., and Jain, V., (2015) “Production Planning Forecasting Method Selection in a Supply Chain: A Case Study”, International Journal of Applied Management Science, V. 7 no. 1, pp, 38-58.
8. **Dweiri, F.** and Khan, S.A., (2015) “The use of statistical process control techniques in the web application products”, International Journal of Industrial and System Engineering. Vol.20, No. 1, pp. 69-83.
9. N. Brahimi, **F. Dweiri**, I. Alsyouf, S. A. Khan, (2013)” implementing Co-operative Education in an Industrial Engineering Program in the United Arab Emirates: Experience and Lessons Learned, International Journal of Engineering Education, 29 (5), 1238-1247.
10. **Dweiri, F.** and Khan, S.A., (2013) ‘Managing the firing process of ceramics tiles to reduce convexity defect: design of experiment approach’, International Journal of Intelligent Enterprise, Vol. 2, No. 1, pp.46–63.

11. Brahim, N., **Dweiri, F.**, Alsyof, I., and Khan, S.A, (2013), "Implementing Cooperative Education in an Industrial Engineering Program in the United Arab Emirates: Experience and Lessons learned," International Journal of Engineering Education, Vol. 29, No. 5, pp. 1-10.
12. M. Shamsuzzaman, A. M. Sharif Ullah, and **F. Dweiri** (2013), "A Fuzzy Decision Model for the Selection of Coals for Industrial Use," International Journal of Industrial and Systems Engineering, Vol. 14, No. 2, pp. 230-244.
13. Brahim, N., **Dweiri, F.**, Alsyof, I., and Khan, S.A, (2012)," Cooperative Education in an Industrial Engineering Program," 6th International Forum on Engineering Education (IFEE 2012), Volume 102, Pages 446-453.
14. Zaidi, S.A, Khan, S.A, and **Dweiri, F.** (2012), "Implementation of Inventory Management System in a Furniture Company: A Real Case study", International Journal of Engineering & Technology, Vol.2 No.8, pp.1457-1474.
15. **Dweiri, F.** and Khan, S.A, (2012), "Development of a Universal Supply Chain Management Performance Index", International Journal of Business Performance and Supply Chain Modeling, Vol. 4, No. 3/4, pp. 232-245.
16. Abdullah F. Al-Dwairi, **Fikri T. Dweiri**, and Omar M. Ashour, (2010) "A Novice-centered decision-support system for type synthesis of function-generation mechanisms," Journal of Mechanism and Machine Theory, Vol. 45, No. 9, pp. 1252-1268.
17. Raid Al-Aomar and **Fikri Dweiri**, (2008) "A Customer-Oriented Decision Agent for Product Selection in Web-Based Services", International Journal of Information Technology & Decision Making, Vol. 7, No. 1, pp. 35-52.
18. **Fikri Dweiri** and Faris M. Al-Oqla, (2006) "Material selection using analytical hierarchy process", Int. J. Computer Applications in Technology, Vol. 26, No.4, pp. 182-189.
19. **F. T. Dweiri**, M. M. Kablan, 2006 "Using fuzzy decision making for the evaluation of the project management internal efficiency", Decision Support Systems, 42(2): 712-726.
20. **F. T. Dweiri** and M. M. Kablan, (2005), "An Integration of the Analytical Hierarchy Process into the Quality Function Deployment Process", International Journal of Industrial Engineering: Theory, application and Practice, Vol. 12, No. 2, pp. 179-187.
21. M. M. Kablan and **Fikri Dweiri**, (2003), "A Mathematical Model for Maximizing the Overall Benchmarking Effectiveness without Exceeding the Available Amounts of Resources." Production Planning & Control, Vol. 14, No. 1, pp. 76-81.

22. **F. T. Dweiri**, A. M. Hassan, H. Alwedian, and A. Hader, (2003), "Surface finish optimization of roller burnished non-ferrous components by fuzzy modeling," Journal of materials and manufacturing processes, Vol. 18, No. 6, pp.863-876.
23. **F. T. Dweiri**, M. Al-Jarrah, and H. Alwedian, (2002) "Fuzzy Surface Roughness Modeling of CNC Down Milling Machining of Alumatic-79." Journal of Materials Processing Technology. 6392, pp 1-10.
24. **F. T. Dweiri**, M. Al-Jarrah, and H. Alwedian, (2002) "Fuzzy Surface Roughness Modeling of CNC Down Milling Machining of Alumatic-79." Journal of Materials Processing Technology. 6392, pp 1-10.
25. **F. T. Dweiri**, (1999) "Fuzzy Development of Crisp Activity Relationship Charts for the Layout Process," Computers and Industrial Engineering, v. 36, pp 1-16.
26. **F. T. Dweiri** and F. A. Meier, (1996) "Application of Fuzzy Decision Making in the Facilities Layout Process," International Journal of Production Research, Vol. 34. No.11, pp. 3207-3225.

Refereed Conferences

1. Alaa M. Ubaid and **Fikri Dweiri**, "Sustainable Systems' Integration by means of STEP-NC: Literature Review", Advances in Science and Engineering Technology (ASET), Dubai, UAE, 6-8, February, 2018.
2. Khan, S.A, Chaabane, A., and **Dweiri, F.**, "Overall Supply Chain Performance Measurement: MCDM Approach", 24th International Conference on Multi Criteria Decision Making, Ottawa, Canada, 10-14, July 2017.
3. Senthilkumar Venkatachalam, **Fikri Diweiri** and Noura Al Suwaidi, "Modelling Information Integration and its Management – Case of a Public Housing Delivery Organization in UAE Authors", The International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17), Sharjah, UAE, 17-20, April, 2017.
4. **F. Dweiri**, "Decision Support Tool for Project Time-Cost Trade off", Seventh International Conference on Industrial Engineering and Operations Management (IEOM 2017), Rabat, Moroco, 11-13 April 2017
5. Ola Zawati, and **Fikri Dweiri**, "Application of Quality Function Deployment to Improve Smart Services Applications, Dubai Municipality as a Case Study, IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2016), Bali, Indonesia, 4 - 7 December 2016.

6. Khan, S.A, **Dweiri, F.**, and Chaabane, A. “ A Fuzzy-ahp Approach for Warehouse Performance Measurement, IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2016), Bali, Indonesia, 4 - 7 December 2016.
7. Sharfuddin Ahmed Khan, Amin Chaabane and **Fikri Dweiri**, "MANAGING WAREHOUSE INVENTORY: A SIMULATION BASED CASE STUDY, 11th International Conference on Modeling, Optimization, and Simulation (MOSIM2016) conference in Montreal, August 22-24, 2016.
8. Khan, S.A, Chaabane, A., and **Dweiri, F.**, "Multi-Criteria Decision Making Methods Application in Supply Chain Management: A Systematic Literature Review", 23rd International Conference on Multi Criteria Decision Making, Hamburg, Germany, 2-7th August 2015.
9. **Dweiri, F.**, and Khan, S.A, "Third Party (3P) Warehouse Location Selection in a Lube Oil Company: An AHP Approach", 23rd International Conference on Multi Criteria Decision Making, Hamburg, Germany, 2-7th August 2015.
10. Alali, J.A., Bashir, H, **Dweiri, F.**, Alalili, M.S. K., and Al-Kubaisi, A.Y. (2015) "Using Statistical Process Control Charts for Monitoring Birth Weight at a National Level", Proceedings of the fifth International Conference on Industrial Engineering and Operations Management (IEOM 2015), Hyatt Regency, Dubai, March 3-5.
11. **Dweiri, F.**, Khan, S.A, Shamsuzzaman, M. (2012), "The Use of Statistical Quality Control Charts for the Acceptance and Sign-off Process for Web Application Products". Proceedings of the 2012 International Conference on Industrial Engineering and Operations Management, pp. 1317-1321, Istanbul, Turkey, July 3 – 6,
12. Brahimi, N., **Dweiri, F.**, Alsyouf, I., and Khan, S.A, Cooperative Education in an Industrial Engineering Program, International Forum on Engineering Education (IFEE), Putra World Trade Centre Malaysia, November 20-22, 2012.
13. **Dweiri, F.** and Khan, S.A (2012). Ranking of Automotive Supplier Selection Criteria in Pakistan: An AHP Approach. Proceedings of the 2012 IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong, 10-13 Dec 2012.
14. M. Shamsuzzaman, **F. Dweiri**, and A. M. Sharif Ullah, "Ranking of Bangladeshi Coals Based on Fuzzy Set Theory," 2010 International Conference on IEOM, Dhaka, Bangladesh, Jan. 9-10, 2010.
15. **Fikri Dweiri**, Raid Alaomar, and Hazem Al Momani, Safety Function Deployment: A safety tool for product Development, The 37th International Conference on Computers & Industrial Engineering, October 20-23, 2007 Alexandria, Egypt

	<p>16. F. Dweiri, A. Dwairi, and O. Ashour, An-AHP Based Approach to Type Selection of Mechanisms for Periodic-Function Generation. 12th IFToMM World Congress, Beasonscon, France, June 18-21/2007.</p> <p>17. Raid Al-Aomar and Fikri Dweiri, A Customer-based Multi-Criteria Decision Support System for Product Selection in Online Orders", The 35th International Conference on Computers & Industrial Engineering, June 19-22 2005, Istanbul, Turkey.</p> <p>18. H. Huang and F. Dweiri, "Fuzzy Evaluation of Layout Designing (FELD)", 2001 Ninth National Conference on Fuzzy Theory and its Applications. Taiwan, 2001.</p>
--	--

Fields of Interest	Quality Control and Management, Operations Management, Facilities Planning, Fuzzy Logic, MCDM, Work and Process Improvement, Network Optimization, Operations Research, Statistical Analysis, Ergonomics and Safety Engineering, and Production Planning and Control.
Theses & Projects	<ul style="list-style-type: none"> • Currently supervising 5 PhD students • Supervised six (6) master students and Examiner of many master theses • Supervised many graduation projects • External Examiner (Ph.D. thesis) University of Hertfordshire, UK "The viability of weibull distribution in small sampling of Quality Control" 2002. • Evaluated many Ph.D. Dissertations and Theses for the Jordanian Higher Education Council (degree equivalency department)
Awards	<ul style="list-style-type: none"> • University of Sharjah Annual Incentive Award for Distinguished Faculty Members 2013/2014 in Teaching • Outstanding Guest Speaker, The 8th Annual Project Management Congress Week, Alleem Business Congress, Sharjah, UAE, May 2016 • Gold Awards (Four consecutive times) as Faculty Advisor for the UoS-IIE Now (IIE Chapter)
Honors	<ul style="list-style-type: none"> • Tau Beta Pi - Engineering Honor Society • Alpha Pi Mu – IE Honor Society
Computer Skills	MS (Word, Excel, Project), SAS, SPSS, MINITAB, C, Auto CAD, C+, Auto LISP, Matlab, SIMAN, Simplex, Facility Layout software, FORTRAN.
Memberships	<ul style="list-style-type: none"> • IIE (Now IIE), • Jordanian Engineering Association (JSE) • Jordan Society for Quality (JSQ)
Languages	Excellent reading, writing and conversation in English and Arabic
Personal	<ul style="list-style-type: none"> • Married with two children • U. S. and Jordanian Citizen
References	Available upon request

