

Hamdi Bashir, Ph.D.

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ACADEMIC QUALIFICATIONS

Year	Degree	Field	Institution
2000	Ph.D.	Industrial Engineering	McGill University, Canada
1990	M.Sc.	Industrial Engineering	University of Garyounis, Libya
1987	B.Sc.	Industrial Engineering	University of Garyounis, Libya

PROFESSIONAL EXPERIENCE

Period	Institution	Position
2011-present	University of Sharjah, UAE	Associate Professor
2008-2011	Sultan Qaboos University, Oman	Associate Professor
January 2005 – June 2005	University of Alberta, Canada	Assistant Professor
2002-2008	Sultan Qaboos University, Oman	Assistant Professor
2000-2002	Concordia University, Canada	Assistant Professor

TEACHING

UNDERGRADUATE COURSES TAUGHT AT THE UNIVERSITY OF SHARJAH

1. Product Design and Innovation Management
2. Facilities Planning
3. Project Management
4. Special Topics (Reliability and Maintenance Engineering)
5. Engineering Probability and Statistics
6. Quality Control and Improvement
7. Engineering Ethics and Leadership
8. Introduction to Industrial Engineering

POSTGRADUATE COURSES TAUGHT AT THE UNIVERSITY OF SHARJAH

1. Independent Studies in Engineering Management (Ph.D. level)
2. Leadership and Innovation Management (Ph.D. level)
3. Engineering Project Management (M.Sc. level)

4. Operations Management (M.Sc. level)
5. Seminar (M.Sc.)

UNDERGRADUATE COURSES TAUGHT AT SULTAN QABOOS UNIVERSITY

1. Operations Research
2. Quality Control
3. Project Management
4. Inventory Management
5. Reliability and Maintenance Engineering
6. Facilities Planning
7. Computer Integrated Manufacturing
8. Probability and Statistics for Engineers
9. Methods Engineering and Work Measurement

POSTGRADUATE COURSES TAUGHT AT SULTAN QABOOS UNIVERSITY

1. Project Engineering and Management
2. Applied Optimization
3. Reliability Engineering
4. Advanced Engineering Statistics

UNDERGRADUATE GRADUATE COURSES TAUGHT AT THE UNIVERSITY OF ALBERTA

Production and Operations Management

UNDERGRADUATE COURSES TAUGHT AT CONCORDIA UNIVERSITY

1. Inventory Control
2. Quality Control and Reliability
3. Production Engineering (Production Planning and Control)
4. Facilities Design and Material Handling Systems
5. Computer Integrated Manufacturing

SUPERVISING/CO-SUPERVISING PH.D. STUDENTS

Al Sahi, H. “Managing Interdependencies in Project Portfolio Management”, ongoing, University of Sharjah. Proposal successfully defended on May 14th, 2017

Alzawati, O. Strategic Management Practices in Organizational Excellence Models Applied in Public-Sector: Dubai Municipality as a Case Study”, ongoing. Proposal successfully defended on November 28th, 2017

SUPERVISING M.SC. STUDENTS

1. Abdel Jawad, A.N. (2018) “Modelling and Analyzing Factors Affecting Financial Performance in Service Industry”, University of Sharjah.
2. Touqan, M. (2017) “An Examination of Project Management Practices in the Construction Industry in the United Arab Emirates”, University of Sharjah.

3. Al Doud, H.M. (2017) “Modeling Relationships among Factors Affecting Project Delays Using ISM and MICMAC Techniques”, University of Sharjah.
4. Hamdan, B.I. (2016) “Factor Analysis-based Approach for Decomposing Traveling Salesman Problem”, University of Sharjah.
5. Al-Ruqaishi, M., (2011) “Causes of Delay in Construction Projects in the Oil and Gas Industry of Oman”, Sultan Qaboos University.
6. Al-Hakmani, K., (2011) “An Investigation into Issues Related to the Productivity of Workers in the Oil and Gas Sector in Oman”, Sultan Qaboos University.
7. Al-Rawahi, A., (2009) “A Study of the ISO 9000 Standards Implementation in the Sultanate of Oman Organizations”, Sultan Qaboos University.
8. Albadawi, Z., (2004) “A Mathematical Approach for Designing Cell Formation in Cellular Manufacturing Systems”, Concordia University.

SERVING ON M.SC./PH.D. SUPERVISORY COMMITTEES

1. Al Hawi, T. “Development and Implementation of an Innovation Model for UAE Federal Government Services”, ongoing, University of Sharjah. Proposal successfully defended on May 14th, 2017
2. Al-Siyabi, S. (2010) “Post Evaluation of Project Cost Overrun Using Interpretive Structural Modelling”, Sultan Qaboos University.
3. Al-Ajami, A. (2007) “Optimizing the Recipe of Concrete Hollow Block Using Response Surface Methodology”, Sultan Qaboos University.
4. Al-Ruwaidhi, N. (2006) “Maximizing the Welding Productivity in Automatic Welding of 48” Pipe Line”, Sultan Qaboos University.
5. Al-Amry, M. (2006) “Implementing of Ergonomics in Offices of an Oil Company”, Sultan Qaboos University.
6. Al-Wardi, A. (2004) “Hand Injuries among Oil Industry Employees”, Sultan Qaboos University.

EXAMINER OF M.SC. THESES AND PH.D. CANDIDACY

1. Ghazal, M. (2018) “Application of Knowledge in Database (KDK) Techniques in Cost Overrun of Construction Projects”, MSc Thesis, MEM Program University of Sharjah
2. Salamin, M. I (2018) “BIM Implementation in UAE (Benefits, Obstacles and suggested Model), MSc Project”, MEM Program University of Sharjah
3. Al-Balghouni I. (2018). “Technician Routing Problem at SEWA Water Services, MSc Project, MSc Project , MEM Program, University of Sharjah
4. Alhamadi, A. H. (2018) “Multi-period Scheduling and routing of OHS inspectors in Dubai Municipality using multi-objective MILP and Genetic Algorithm”, MEM Program, University of Sharjah
5. Al Hawarneh, A.M. “Dynamic Facilities Planning Model for Large Scale Projects in UAE”, M.Sc. Thesis, University of Sharjah, June 5th, 2017.
6. Al Ali, A.I. “Identifying key factors that affect the loyalty of employees in Sharjah Government sectors”, M.Sc. Project, University of Sharjah, May 23th, 2017.
7. Al Hamadi, A.H. “Multi-period scheduling and routing of OHS inspectors in DM using multi-objective MILP and Genetic Algorithm”, M.Sc. Project, University of Sharjah, May 23th , 2017.

8. Al Hammadi, A.M. "Fire safety in homes regarding to design aspects", M.Sc. Project, University of Sharjah, January 8th, 2017
9. Gouda, O.A. "A Stochastic Dynamic Model for Airline Booking Optimization with Overbooking and No-Shows, M.Sc. Project, University of Sharjah, May 15th, 2016.
10. Al Ali, J.H. "Improving fulfillment Process in Telecom Service Using Lean Six Sigma, University of Sharjah, January 12th, 2016.
11. Almarar, A. "Speed Optimization of Container Liner Services with Pricing", M.Sc. Project, University of Sharjah, January 12th, 2016.
12. Albadi, K.K.K. "Study on Team-Related Factors Affecting Project Success Using Structural Equation Modeling (SEM)", M.Sc. Thesis, Sultan Qaboos University, May 2012.
13. Al-Siyabi, M. "Project Cost Estimation Practices in the Sultanate of Oman", M.Sc. Thesis, Sultan Qaboos University, March 9th, 2011.
14. Al-Naqbi, A. "Effects of Manual Batch Assembly Methods on Worker Productivity", M.Sc. Thesis, Sultan Qaboos University, September 19th, 2007.
15. Al-Farsi, D. M. "Development of Anthropometric Data for Omani Male Population", M.Sc. Thesis, Sultan Qaboos University, April 16th, 2006.
16. Zhang, J. "Maintenance Planning and Cost Effective Development", M.A.Sc. Thesis University of Alberta, June 16th, 2005.
17. Shahin, A. "A framework for Cold Weather Construction Planning Using Simulation", Ph.D. Candidacy Exam, University of Alberta, May 18th, 2005.
18. Searcy, C. "Designing Sustainable Development Indicators at an Electric Utility", Ph.D. Candidacy Exam, University of Alberta, May 3rd, 2005.
19. Al-Hadhrami, M. "Development of an Efficient Workstation for an Industrial Assembly Task", M.Sc. Project, Sultan Qaboos University, November 15th, 2003.
20. Li, M., "Optimal Lot Streaming and Scheduling of Multiple Jobs in Two-Machine No-Wait Flow Shops", M.A.Sc. Thesis, Concordia University, April 5th, 2002.
21. Zhang, H. "Alternative Code Acquisition Methods for WCDMA Systems", M.A.Sc. Thesis Concordia University, May 29th, 2002.
22. Zhu, S., "Performance Analysis of a Modified Zone-based Hierarchical Link State Routing", M.A.Sc. Thesis, Concordia University, November 27th, 2001.

SUPERVISION OF SENIOR DESIGN PROJECTS

1. Al-Ramony, G., Dwikat, M., Al-Shami, O. Shattara, S. (2018) "Improving Warehouse Operations at ARAMEX", University of Sharjah.
2. Kassab, M., Alamas, B., Aly, N. Abdelrahman, A. (2018) "Capacity Expansion and Productivity Improvement at a Manufacturing Factory", University of Sharjah.
3. Salih, M., Almazam, M., Hanana, H., and Al-Fakhri M. (2017) "Application of SPC Chart to Vehicle Fuel Consumption", University of Sharjah.
4. Khalifa, M., Ibrahim, A., and Alra'ad T. (2016) "Improving Operation Waste in Sharjah Cooperative Society Warehouse with Lean Principles", University of Sharjah.
5. Harmool, S.S., Al Suwaidi, E.N., Al Amodi, F.A., and Al Naqbi, N.K. (2016) "Lean Warehousing: A Case Study at Sharjah Cooperative Society", University of Sharjah.
6. Qaroot, D., Dawoud, L.Z., AbuRub, D.R., Al Mualla, H.A. (2016) "Lean Application in an Aluminum Pipe Industry", University of Sharjah.
7. Odet, M., Mahfood, A., Hammadi, M., Budair, M., and Lootah, M. (2016) "Lean Manufacturing Implementation in General Ceramics", University of Sharjah.

8. Emdookh, A., et al. (2016) "Facility Layout Analysis and Improvement of FIREX", University of Sharjah.
9. Sadek, M., Goonagoon, N., Ahmed, A., Abdalla, F. (2015) "An Alternative Distribute in Center for Zula Factory", University of Sharjah.
10. Halwa, D.A. (2015) "Construction of Statistical Process Control Charts in a Cable Industry", University of Sharjah.
11. QassemiSoozi, A.A., Al Hammadi, M., Abuyousef, D.E., and Abdelrahman, D.A. (2014) "Designing a New Layout for a Manufacturing Facility", University of Sharjah.
12. Alrudwan, M.I., Alshaer, N.A., and Hassan, Z.A. (2013) "Developing Statistical Process Control Charts for Monitoring a Water Bottling Process", University of Sharjah.
13. Aldoud, H.M.S., Mohammad, S.E., and Al Ali, M.J.A. (2013) Evaluation and Improvement of the Design of an Outpatient Pharmacy", University of Sharjah.
14. Al-Kubaisi, A.Y., Alali, J.A.S., and Alalili, M.S.K. (2012) "Design of Statistical Process Control", (SPC) Charts for Monitoring Birth Weights of the UAE Nationals", University of Sharjah.
15. Basem, A. and Wael, W. (2012) "Developing Inventory Models for a Courier and Parcel Services Company", University of Sharjah.
16. Al-Siabi, L.M. and Al-Braiki, R.S. (2010) "Inventory Modelling for Spare Parts for a Maintenance Facility", Sultan Qaboos University.
17. Al-Sariri, H.N., Al Subhi, H.S., R AHabsi, S.H., AND Al-Siyabi, M.S. (2010) "Reliability Modelling for SQU Hospital Elevators", Sultan Qaboos University.
18. Al Hatali, S., Al Hashmi, H.S., and Al-Hashmi, Z.A (2009) "Design of Statistical Process Control Charts for Monitoring Industrial Pollution", Sultan Qaboos University.
19. Al-Saadi, Z.K., Al-Rashdi, M.A, Al-Riyami, M.S., and Al-Busaidi, A.N. (2008) "A Simulation Model for Aircraft Pre-departure Maintenance Services at Muscat International Airport, Sultan Qaboos University.
20. Al Harthi, A.M., Baitsuwailim, A.S., Al-Braiki, A.S. (2008) "Designing an Inventory System for Selected Spare Parts for Oman Refineries Petrochemical Company (ORPC) Using Monte Carlo Simulation", Sultan Qaboos University.
21. Lawati, Y. and Al-Azri F. (2007) "Improving the Operations of the Emergency Department at Sultan Qaboos University Hospital using MedModel", Sultan Qaboos University.
22. Al-Belushi, H., Al-Habsi, S., Al-Farei, H., and Awlad Thani M. (2007) "Facilities Design for Manufacturing Omani Bread Baking Machine" , Sultan Qaboos University.
23. Al-Zakwani, Y., Al-Hadidi, Y. Al-Rawahi, F. (2004) "Design and Analysis of Quality Control Charts", Sultan Qaboos University.
24. Al-Maharbi, M. and Al-Shabibi, S. (2004) "Designing a Facility for Manufacturing Pipe Base Screen", Sultan Qaboos University.
25. Essebag, G., Lobe, M. and Nedbal, R. (2002) "Reconfiguration of Pharma ABC's Facility", Concordia University.
26. Feola, J. (2002) "Quality Assurance of a Thermal Imaging Camera", Concordia University.

CURRICULUM DEVELOPMENT AND TEACHING MANAGEMENT

- Contributed significantly in the development of new graduate programs (M.Sc. & Ph.D.) in Engineering Management, University of Sharjah.
- Contributed significantly in the preparation for ABET and local accreditations, University of Sharjah.
- Used Blackboard Learning Management System, University of Sharjah.

- Contributed in revising the curriculum development of the industrial engineering program (as part of ABET accreditation process), Sultan Qaboos University.
- Used WebCT (course development tool), Sultan Qaboos University.
- Developed a website for courses taught at Concordia University (2000-2002).

AWARDS AND RECOGNITIONS

1. Excellence in Teaching Award (2002), Concordia University.
2. My paper entitled “Testing the Feasibility of Adapting Cellular Manufacturing in an Early Stage of Design”, co-authored by Karaa, S., was nominated for the best paper award at *the International Conference of Engineers and Computer Scientists 2007*, Hong Kong, March 21-23.
3. Under my supervision, a senior design project entitled “Design of Statistical Process Control (SPC) Charts for Monitoring Birth Weight of UAE Nationals”, which was completed in Fall 2012-13 by three graduates, Jawahir Alali, Amal Al-Kubaisi, and Mariam Salim Alalili has won the second prize of “Tamiaz & Falak Tayyeb” Award in the Category “Society and Environment”, Dubai, UAE.
4. Under my guidance, the Canadian Society for Industrial Engineering, Concordia University Chapter, has received:
 - IIE Chapter Recognition Silver Award 2002, Institute of Industrial Engineers, USA
 - IIE Chapter Recognition Silver Award 2001, Institute of Industrial Engineers, USA
 - Robert F. Moore Award 2001, Canadian Society for Industrial Engineering, Canada

SERVICE

INSTITUTIONAL SERVICE

- (September 2017 - present): Member, College of Engineering Board, University of Sharjah.
- (September 2015 - present): Member, Faculty Search Committee, Department of Industrial Engineering and Engineering Management, University of Sharjah.
- September 2016 – present): Member, Student Disciplinary Committee, College of Engineering, University of Sharjah.
- Ad-hoc Committee to Referee the Annual Incentive Award for Distinguished Faculty Members 2017/2018 in Community Services, University of Sharjah
- Ad-hoc Committee to Referee the Annual Incentive Award for Distinguished Faculty Members 2016/2017 in Community Services, University of Sharjah.
- (April 2015 – December 2017): Coordinator Teaching, Learning and Accreditation Committee, Department of Industrial Engineering and Engineering Management
- (February 2014 – August 2016): Member, PhD in Engineering Management Program Committee, College of Engineering, University of Sharjah.
- (Ad-hoc Committee to Referee the Annual Incentive Award for Distinguished Faculty Members 2015/2016 in Community Services, University of Sharjah.
- (March 2015 – May 2015): Member, Ad-hoc Internal Advisory Committee for the Institute of Sciences and Engineering, University of Sharjah.

- (September 2014 - June 2015): Member, Faculty Promotion Committee, Department of Industrial Engineering and Engineering Management, University of Sharjah.
- (September 2013 – June 2015): Member, Faculty Promotion Committee, College of Engineering, University of Sharjah.
- (September 2014 - June 2015): Coordinator, Faculty Search Committee, Department of Industrial Engineering and Engineering Management, University of Sharjah.
- (February 2014 – June 2015): Member, M.Sc. in Engineering Management Program MEM Steering Committee, Department of Industrial Engineering and Engineering Management, University of Sharjah.
- (September 2013 – March 2014): Acting Chairman, Department of Industrial Engineering and Engineering Management, University of Sharjah.
- September 2013 – March 2014): Member, College of Engineering Board, University of Sharjah.
- (September 2012 – August 2013): Assistant to Chairman, Department of Industrial Engineering and Management, University of Sharjah.
- (December 2011 – September 2013): Member, Teaching, Learning and Accreditation Committee, Department, Industrial Engineering and Management, University of Sharjah.
- (February 2013 - April 2013): Member, Faculty Search Committee, Department of
- Industrial Engineering and Management, University of Sharjah.
- (February 2012 - April 2012): Coordinator, Faculty Search Committee, Department of Industrial Engineering and Management, University of Sharjah
- (2006-December 2009): Member, College Curriculum Committee, Sultan Qaboos University.
- (2006- December 2009): Member, Timetabling Committee, Department of Mechanical and Industrial Engineering, Sultan Qaboos University.
- (2005- 2011): Member, Curriculum and Accreditation Committee/ABET, Department of Mechanical and Industrial Engineering, Sultan Qaboos University.
- (2005-2011): Member, Industrial Advisory Board, Department of Mechanical and Industrial Engineering, Sultan Qaboos University.
- (2003-2004): Member, Curriculum and Accreditation Committee/ABET, Department of Mechanical and Industrial Engineering, Sultan Qaboos University.
- (2005-2006): Member and Secretary, College Strategic Plan Committee, Sultan Qaboos University.
- (2002-2004): Member, Strategic Plan Committee, Department of Mechanical and Industrial Engineering, Sultan Qaboos University.
- (2002-2004): Coordinator, Industrial Training, Department of Mechanical and Industrial Engineering, Sultan Qaboos University.

PROFESSIONAL SERVICE

- Evaluator, “Think Science” Competition and Fair 2018, Emirates Foundation
- Judge, Graduate student’s projects competition, the 12th Research Forum of University of Sharjah May 7th 2018.
- Member, Technical Committee, 5th International Conference on Industrial Engineering and Applications, Singapore, April 26-28, 2018
- Member, Editorial Board of the Journal of Industrial Engineering (2015-2018)

- Member, Honorary Committee, 5th International Conference on Industrial Engineering and Operations Management (IEOM 2015), Hyatt Regency, Dubai, March 3-5.
- Member, Technical Committee, 2nd International Conference on Industrial Engineering and Operations Management (IEOM 2011), January 22 - 24, 2011, Kuala Lumpur, Malaysia.
- Member, Technical Committee, the International Conference on Industrial Engineering and Operations Management (IEOM 2010), January 9 - 10, 2010, Dhaka, Bangladesh.
- Member, Organizing Committee, International Conference on Multidisciplinary Design in Engineering, Organized by CSME (Canadian Society for Mechanical Engineering), Montreal, November 21-22, 2001.
- Responsible for preparing the Proceedings of the International Conference on Multidisciplinary Design in Engineering, Montreal, November 21-22, 2001.
- Manuscript reviewer for
 - International Journal of Project Management
 - Journal of Construction Engineering and Management
 - Computers and Industrial Engineering Journal
 - Journal of Management in Engineering
 - International Journal of Management Science and Engineering Management
 - International Journal of Engineering Research
 - The 5th International Conference on Industrial Engineering and Operations Management (IEOM 2015), Hyatt Regency, Dubai, March 3-5.
 - The 2008 Industrial Engineering Research Conference, Westin Bayshore, Vancouver, British Columbia, Canada, May 17-21, 2008.
 - IEEE International Conference on Industrial Engineering and Engineering Management, Singapore, December 2-5, 2007.
 - The 36th International Conference on Computers and Industrial Engineering, June 20-23, 2006, Taipei, Taiwan.
- Chaired sessions for
 - The 5th International Conference on Industrial Engineering and Applications, Singapore, April 26-28th, 2018.
 - The 5th International Conference on Industrial Engineering and Operations Management (IEOM 2015), Hyatt Regency, Dubai, March 3-5, 2015
 - The 2nd International Conference on Engineering and Applied Science (2013 ICEAS), Tokyo, Japan, March 15-17, 2013.
 - The International Conference of Engineers and Computer Scientists 2007, Hong Kong, March 21-23, 2007.
 - The 11th Annual International Conference on Industrial Engineering Theory, Applications and Practice, Nagoya, Japan, October 24-27, 2006.

SERVICE TO THE PUBLIC

- Short Course Instructor, “Professional Diploma in Total Quality Management and Organizational Excellence”, organized by the Center for Continuing Education and Professional Development (CCEPD), University of Sharjah April 17th, 2016 – May 30th, 2016.
- Short Course Instructor, “Professional Diploma in Total Quality Management and Organizational Excellence”, organized by the Center for Continuing Education and Professional Development (CCEPD), University of Sharjah, December 21st, 2015 – May 18th 2016.

- Participated in the development of short course materials on “Preparation of Feasibility Studies and Evaluation of Industrial Projects”, Organized by the Ministry of Industry and Commerce of Oman in collaboration with the United Nations Industrial Development Organization (UNIDO), Salalah, Oman, August 16-26, 2008.
- Short Course Instructor, “An Innovative and Integrated Approach to Project Management”, organized by the European Business Centre for Development and Training, Muscat, Oman, November 3-6, 2007.
- Short Course Instructor, “Excellence and Creativity in Project Management and Control”, organized by the European Business Centre for Development and Training, Muscat, Oman, May 12-15, 2007.
- Short Course Instructor, “Modern Trends and Advanced Techniques in Operations and Maintenance”, organized by the European Business Centre for Development and Training, Muscat, Oman, February 24-27, 2007.
- Instructor and Coordinator, Fellowship Training Program in “Production Management and Electronics Manufacturing”, sponsored by the International Telecommunication Union (ITU), the United Nations, Montreal, Canada, August 13-September 20th, 2001.

SCHOLARLY ACHIEVEMENTS

LIST OF PUBLICATIONS

Journal Papers

1. Marshall, A., **Bashir**, H., Ojiako, U., and Chipulu, M. (2018). A Machiavellian Behavioural Framing of Social Conflict Risks in Supply Chains”, *Management Research Review*, <https://doi.org/10.1108/MRR-01-2018-0022>
2. Ruqaishi, M. and **Bashir**, H. (2015). “Causes of Delay in Construction Projects in the Oil and Gas Industry in the Gulf Cooperation Council Countries: A Case Study”, *Journal of Management in Engineering*, Vol. 31, No. 3, May/June 2015.
3. Alzebdeh K. and **Bashir**, H.A., and Al Siyabi, S.K. (2015) “Applying Interpretive Structural Modelling to Cost Overruns in Construction Projects in Sultanate of Oman”, *The Journal of Engineering Research*. Vol.12, No.1, pp.53-68.
4. Al Zadjali, Z.A., **Bashir**, H.A, and Maqrashi A.A. (2014) “Factors Causing Project Cost Overrun in the Telecommunications Industry in Oman”, *International Journal of Information Technology Project Management*, Vol. 5, No. 3, pp. 84-95.
5. **Bashir**, H.A. Alzebdeh K., and Al Riyami, M.A. (2014), “Factor Analysis of Obstacles Restraining Productivity Improvement Programs in Manufacturing Enterprises in Oman”, *Journal of Industrial Engineering*, Vol. 2014 Article ID 195018.
6. Ashrafi, R. and **Bashir**, H.A. (2011) “Implementation of Quality Management in Organizations Operating in the Sultanate of Oman: ISO 9001:2000 versus Non-ISO 9001:2000 Certified Organizations”, *Journal of Productivity and Quality Management*, Vol.7, No. 2, pp. 183-201.
7. Al-Rawahi, M.S. and **Bashir**, H.A (2011) “On the Implementation of ISO 9001:2000: A Comparative Investigation”, *The TQM Journal*. Vol. 23 No. 6, pp. 673-687
8. **Bashir**, H.A. (2010) “Removal of Redundant Relationships in an AON Project Network for Evaluating Schedule Complexity”, *Journal of Construction Engineering and Management*, Vol. 136, No.1, pp. 787-793.

9. **Bashir**, H.A., Alzebdeh, K., and Abdo, J. (2009) “An Eigenvalue Based Approach for Assessing the Decomposability of Interdependent Design Tasks”, *Concurrent Engineering: Research and Applications (CERA Journal)*, Vol. 19, No.1. pp. 35-42.
10. **Bashir**, H A. and Karaa, S. (2008) “Assessment of Clustering Tendency for the Design of Cellular Manufacturing Systems”, *Journal of Manufacturing Technology Management*, Vol. 19, No.8, pp. 1004-1014.
11. **Bashir**, H.A. (2008) “Modeling of Development Time for Hydroelectric Generators Using Factor and Multiple Regression Analyses”, *International Journal of Project Management*, Vol. 26, pp.457-464.
12. **Bashir**, H.A. (2007) “Using Factor Analysis as an Aided Tool for Evaluating Layout Design Alternatives”, *International Journal of Industrial Engineering – Theory, Applications and Practice*, Vol. 14, No. 3, pp. 267-272.
13. **Bashir**, H.A., El-Bouri, A. and Thomson, V. (2006) “Estimating Design Effort Using a Neural Network Methodology”, *International Journal of Industrial Engineering – Theory, Applications and Practice*, Vol. 13, No. 4, pp. 341-348.
14. Albadawi, Z., **Bashir**, H.A., and Chen, M., (2005) “A Mathematical Approach for the Formation of Manufacturing Cells”, *Computers and Industrial Engineering*, Vol. 48, No. 1., pp. 3-21.
15. **Bashir**, H.A. and Thomson, V. (2004) “Estimating Design Effort for GE Hydro Projects”, *Computers and Industrial Engineering*, Vol.46, No. 2, pp.195-204.
16. **Bashir**, H.A. and Thomson, V. (2001) “Project Estimation from Feasibility Study until Completion: A Quantitative Methodology”, *Concurrent Engineering: Research and Applications (CERA Journal)*, Vol. 9, No. 4, pp. 258-269.
17. **Bashir**, H.A. and Thomson, V. (2001) “Models for Estimating Design Effort and Time”, *Design Studies*, Vol. 22, No. 2, pp. 141-155.
18. **Bashir**, H.A. and Thomson, V. (2001) “An Analogy-Based Model for Estimating Design Effort”, *Design Studies*, Vol. 22, No.2, pp. 157-167.
19. **Bashir**, H.A. and Thomson, V. (1999) “Metrics for Design Projects: A Review”, *Design Studies*, Vol. 20, No.3, pp. 263-277.
20. **Bashir**, H.A. and Thomson, V. (1999) “Estimating Design Complexity”, *Journal of Engineering Design*, Vol. 10, No. 3, pp. 247-257.

Conference Proceedings Papers

1. Al Zaabi, H. and **Bashir**, H. (2108) “Analyzing Interdependencies in a Project Portfolio Using Social Network Analysis Metrics”, *Proceedings of the 5th International Conference on Industrial Engineering and Applications*, Singapore, April 26-28.
2. Garbie, I. H. and **Bashir**, (2018) “Modeling and Analyzing Critical Factors for Implementing Sustainability in Industrial Firms”, *Proceedings of the 2018 Industrial and Systems Engineering Conference*, USA, May 19th-22nd .
3. Garbie, I. H. and **Bashir**, H. “Proposing a Sustainable Course in Industrial and System Engineering Program””, *Proceedings of the 2018 Industrial and Systems Engineering Conference*, USA, May 19th-22nd
4. Hamdan, B.I and **Bashir**, H. (2015) “A Two-Stage Decomposition Approach for the Traveling Salesman Problem”, *Proceedings of the fifth International Conference on Industrial Engineering and Operations Management (IEOM 2015)*, Hyatt Regency, Dubai, March 3-5.
5. Abdel Jawad, A.N. and **Bashir**, H. (2015) “Hierarchical Structuring of Organizational Performance Using Interpretive Structural Modeling”, *Proceedings of the fifth International*

- Conference on Industrial Engineering and Operations Management (IEOM 2015)*, Hyatt Regency, Dubai, March 3-5.
6. 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.
 7. Al-Hakmani, K. and **Bashir**, H. (2014) “Investigation into Issues Related to the Productivity of Employees in an Oil and Gas Industry”, *Proceedings of the 2014 International Conference on Industrial Engineering and Operations Management*, Bali, Indonesia, January, 7-9.
 8. **Bashir**, H.A. (2013) “A mathematical Approach for Determining the Decomposability of a Project for the Resource-constrained Scheduling Problem”, *Proceedings of the 2nd International Conference on Engineering and Applied Science (2013 ICEAS)*, Tokyo, Japan, March 15-17.
 9. **Bashir**, H.A. and Maqrashi A.A. (2013) “Industrial Training for Engineering Students: A Comparative Investigation”, *Proceedings of the 2nd International Conference on Engineering and Applied Science (2013 ICEAS)*, Tokyo, Japan, March 15-17.
 10. **Bashir**, H.A., Alzebedeh, K., and Al Riyami, A.M.A. (2012) “Obstacles Restraining Productivity Improvement Programs in a Developing Country”, *Proceedings of the 2012 International Conference on Industrial Engineering and Operations Management*, Istanbul, Turkey, July 3 – 6.
 11. Al-Rawahi, M.S. and **Bashir**, H.A. (2011) “Investigating the Association between Organizational Differences and the Implementation of the ISO 9001:2000”, *Proceedings of the 2011 International Conference on Industrial Engineering and Operations Management*, Kuala Lumpur, Malaysia, January 22 – 24.
 12. **Bashir**, H.A. (2009) “A Minimum-Edge Diagraph Model for Evaluating Project Schedule Complexity”, *Proceedings of the IASTED International Conference on Modelling and Simulation*, Banff, Alberta, Canada, July 6-8.
 13. Khadem, M., **Bashir**, H.A., Al-Azri, F., and Al-Lawati, Y. (2008) “Evaluating the Layout of the Emergency Department of a Public Hospital Using Computer Simulation Modeling: A Case Study”, *Proceedings of IEEE International Conference on Industrial Engineering and Engineering Management*, Singapore, December 8-11, pp. 1709-1713.
 14. **Bashir**, H.A., Alzebedeh, K., and Rashid, M.K. (2008) “Survey Results on Knowledge, Perceptions and Attitudes of Consumers towards ISO 9001:2000 Quality Management Standards”, *Proceedings of the 2008 Industrial Engineering Research Conference*, Westin Bayshore, Vancouver, British Columbia, Canada, May 17-21, pp. 1766-1771.
 15. **Bashir**, H.A., Alzebedeh, K., and Abdo, J. (2007) “An Approach for Testing the Feasibility of Decomposing Interdependent Design Tasks for Concurrent Engineering”, *Proceedings of IEEE International Conference on Industrial Engineering and Engineering Management*, Singapore, December 2-5, 973-978.
 16. Alzebedeh, K., **Bashir**, H.A., and Al-Siyabi, S. (2007) “On Application of Interpretive Structural Modelling to Project Budget Overrun Problem: A Case Study”, *Proceedings of the 12th Annual International Conference on Industrial Engineering Theory, Applications and Practice*, Cancun, Mexico, November 4-7, pp. 37-41.
 17. **Bashir**, H.A. and Karaa, S. (2007) “Testing the Feasibility of Adapting Cellular Manufacturing in an Early Stage of Design”, *Proceedings of the International Conference of Engineers and Computer Scientists 2007*, Hong Kong, March 21-23, pp. 2177-2180.

18. **Bashir**, H.A. and Thomson, V. (2005) "A Parametric Model for Estimating Development Time For Hydroelectric Generators, *Proceedings of the 10th Annual International Conference on Industrial Engineering Theory, Applications & Practice*, Clearwater, Florida, December 3 -7.
19. Albadawi, Z., **Bashir**, H.A., and Chen. M. (2003) "A Mathematical Approach for Designing Cellular Manufacturing Systems", *Proceedings of the 31st Conference on Computers and Industrial Engineering*, San Francisco, California, U.S.A., February 2-4.
20. **Bashir**, H.A., El-bouri A., and Thomson, V. (2001) "Estimating Design Effort and Duration for GE Hydro Projects Using a Neural Network Methodology", *Proceedings of the 29th International Conference on Computers & Industrial Engineering*, Montreal, Canada, November 1-3.
21. **Bashir**, H.A. and Thomson, V. (2000) "Improving the Estimation of Effort in Design Projects", *Proceedings of the 4th International conference on Engineering Design and Automation*, Orlando, Florida, U.S.A., July 30- August 2.
22. **Bashir**, H.A. and Thomson, V. (1999) "Evaluation of Design Alternatives Using Factor Analysis", *Proceedings of the 3rd Conference on Engineering Design and Automation*, Vancouver, BC, Canada, August 1-4.
23. **Bashir**, H.A. and Thomson, V. (1999) "A Quantitative Estimation Methodology for Design Projects", *Proceedings of the International Conference on Industrial Engineering and Production Management (IEPM'99)*, Glasgow, U.K., July 12-15, pp. 498-506.

24. **TECHNICAL REPORTS**

1. **Bashir**, H.A., and Alzebdeh, K., and Al-Maqrashi, A. "A Study of Productivity in the Manufacturing Sector of Oman: Part II", submitted to Sultan Qaboos University, 2011.
2. Ashrafi, R. and **Bashir**, H.A. "Implementation of Quality Management in Organizations operating in the Sultanate of Oman: ISO 9001:2000 versus non-ISO 9001:2000 Certified Organizations", submitted to the Directorate General for Specifications and Measurements, Ministry of Commerce and Industry, Sultanate of Oman, 2010.
3. **Bashir**, H.A., and Alzebdeh, K., and Al-Maqrashi, A. "A Study of Productivity in the Manufacturing Sector of Oman: Part I", submitted to Sultan Qaboos University, 2009.
4. **Bashir**, H.A. and M. Rashid "An Investigation into Issues Related to the Implementation of ISO 9000 in Omani Organizations: Part II", submitted to Sultan Qaboos University, 2008.
5. **Bashir**, H.A. and M. Rashid "An Investigation into Issues Related to the Implementation of ISO 9000 in Omani Organizations: Part I", submitted to Sultan Qaboos University, 2007.
6. **Bashir**, H.A. and Thomson, V. "Project Estimations Using the McGill Method", submitted to CMC Electronics, Canada, 2002.
7. **Bashir**, H.A. and Thomson, V. "Engineering Man-Power Models", submitted to General Electric Canada Inc. 2000.

CONSULTANCY AND RESEARCH PROJECT GRANTS

1. Improving Workplace Environment and Working Conditions (US\$26,000), Al- Hilal Fibre& Acrylic and the Industry Industrial Innovation Centre (2011-2012).
2. Process Streamlining (US\$12,200), Mazoun Establishment and Trading Company and the Industrial Innovation Centre (2010-2011).
3. A Study of Productivity in the Manufacturing Sector of Oman (US\$5,800), Sultan Qaboos University, (2009-2010).
4. In Search of Excellence in Quality (US\$13,000), Sultan Qaboos University, (2008-2010).

5. An Investigation into Issues Related to the Implementation of ISO 9000 in Omani Organizations (US\$3,600), Sultan Qaboos University, (2007-2008).

PROFESSIONAL DEVELOPMENT ACTIVITIES

- Attended a workshop entitled “Metacognition and Transfer-What Faculty Members Expect their Students to Learn, but Never Teach”, organized by the Institute of Leadership in Higher Education, University of Sharjah, January 17th, 2018.
- Attended a Blackboard Training Session on Assignments Tools of Blackboard, organized by the Information Technology Center, University of Sharjah, February 16th, 2017
- Attended a Blackboard Training Session on Mobile Learn, organized by the Information Technology Centre, University of Sharjah, February 11th, 2015.
- Attended Training Sessions on First Aid Organized by the University of Sharjah Central Labs and and the UAE Red Crescent, June 3rd and 4th, 2014
- Attended FactoryCAD and FactoryFlow Training (Phase 1), organized by Indish Technologies / Siemens as part of a Software License Agreement, May 14th and 15th, 2014
Attended FactoryCAD, FactoryFlow, and Factory Plan Training (Phase 2), organized by Indish Technologies / Siemens as part of a Software License Agreement, June 9th – 12th, 2014
- Attended a Blackboard Training Session on Online Tests and Surveys, organized by the Information Technology Center, University of Sharjah, November 28th, 2013
- Attended a Blackboard Training Session on Enhancing Communication Tools, organized by the Information Technology Center, University of Sharjah, November 28th, 2013
- Attended a Workshop on “Sustainable Program Assessment”, organized by College of Sciences, Sultan Qaboos University and Georgia Rogers, ABET, Inc. April 7-8, 2010.
- Attended the Second Forum for Statisticians, organized by the National Economy Ministry, Muscat, Oman, December 29-30, 2009.
- Attended Accreditation Board for Engineering and Technology (ABET) Training Session, organized by the IIE Annual Conference and Expo 2008, Vancouver, Canada, May 18th, 2008.
- Attended the Third Gulf Meeting on “Quality Application in Management and Environment”, Muscat, Oman, June 5-6, 2006.
- Attended a workshop on “Management of Changes and Development in Government and Private Sectors: Application of Kaizen Programme”, Muscat, Oman, June 5th, 2006.

PROFESSIONAL SOCIETIES MEMBERSHIPS

- Senior member (2007- present), Institute of Industrial Engineers, Atlanta, USA.
- Member (2009-2010), American Society for Quality, Wisconsin, USA.
- Professional Engineer, (2006-2008), the Association of Professional Engineers, Geologists, and Geophysicists of Alberta, Canada.
- Member (1997-2007), Institute of Industrial Engineers, Atlanta, USA.
- Member (2001-2002), International Council on Systems Engineering, Seattle, USA.
- Member (1997-2002), Canadian Society for Industrial Engineering, Quebec, Canada.