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Department of Industrial Engineering and Engineering Management
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Date of birth: 31.10.1965.

Citizenship: Jordanian and Swedish



Academic Degrees

- **Ph.D. - Doctor of Philosophy, Terotechnology (Maintenance and Reliability Engineering)**, 2004. Vaxjo University School of Technology & Design, Sweden.
- **Licentiate in Engineering, Terotechnology, 2002**, Vaxjo University School of Industrial Engineering, Sweden.
- **M.Sc. - Master of Science, Industrial Engineering**, 1995, Faculty of Graduate Studies, University of Jordan, Jordan.
- **B.Sc. - Bachelor of Science, Mechanical Engineering**, 1989, Faculty of Engineering and Technology, University of Jordan, Jordan.

Professional Experience

- **University of Sharjah (UAE)**, 22/10/2017 –present, Director of the university Sustainability Office: www.sharjah.ac.ae/sustainablecampus
- **University of Sharjah (UAE)**, 15/04/2015 –present, founder and Coordinator of Sustainable Engineering Asset Management (SEAM) Research Group, Research Institute of Science and Engineering (RISE), University of Sharjah: www.sharjah.ac.ae/SEAM.
- **University of Sharjah (UAE)**, 01/09/2010 – Present, Associate professor of Industrial Engineering at the Industrial Engineering and Engineering Management Department.
- **University of Sharjah (UAE)**, 15/02/2015 – 31/08/2016, Chairman of the Industrial Engineering and Engineering Management Department.
- **University of Sharjah (UAE)**, 10/01/2010 - 18/05/2010, Visiting Academic at the Industrial Engineering and Engineering Management Department.
- **Linnaeus University (Sweden)**, 21/12/2009 - 01/01/2012, Associate Professor of Mechanical Engineering at the Mechanical Engineering Department (On leave from the 10th of January 2010).
- **Vaxjo University (Sweden)**, 22/04/2004 - 21/12/2009, Assistant professor at the Department of Terotechnology.
- **Växjö University (Sweden)**, 01/01/2000 - 22/04/2004, University lecturer and Research assistant at the Department of Terotechnology.
- **The University of Jordan (Jordan)**, 03/09/1995 - 01/09/1997, University lecturer at the Industrial Engineering Department, Faculty of Engineering and Technology.

- **Thyssenkrupp Jordan Lift and Crane Manufacturing Company (JOLIFT)** (01/02/1994 - 01/09/1995, Director of the planning department (Jordan).
- **Own engineering consultation office**, 01/09/1992 - 01/02/1994, Mechanical and consultant engineer (Jordan).
- **Thyssenkrupp Jordan Lift and Crane Manufacturing Company (JOLIFT)**, 01/11/1989 - 01/09/1992, Production engineer (Jordan).

Professional Development

- **University of Sharjah Policies and Regulations for Faculty Promotion.** Four hours training program on November 16, 2017. Arranged by The center for continuing education and professional development, University of Sharjah.
- **Workshop on Sustainability in Operations and Maintenance Management: Challenges and Opportunities.** Two days: 26-27th February 2017. Arranged by Sustainable Engineering Asset Management Research group at RISE at University of Sharjah. key note speaking Prof. Uday Kumar, LTU, Sweden.
- **Workshop on Fluke Mechanical & Thermal Imaging Tools.** One day: the 30th of January 2017, Dubai, arranged by Fluke.
- **Awareness of university bylaw and policies related to leading position.** Three days for 6 hours during the period 3rd-5th of November 2015. Arranged by The center for continuing education and professional development, University of Sharjah.
- **Awareness of university bylaw and policies related to faculties.** Three days for 6 hours during the period 15th-17th of June 2015. Arranged by The center for continuing education and professional development, University of Sharjah.
- **Team-Based learning (TBL) in higher education.** Two days full-time study, 24-25 March 2011. University of Sharjah in cooperation with Prof. Larry Michaelsen, Central Missouri State University, USA.
- **Intellectual Property and Technology commercialization.** One day full-time study, 14 December 2010. University of Sharjah, organized by Emirates Foundation.

Professional Certifications

- **Academic leadership Four days full-time study** Course Certificate, University Pedagogic Centre (UPC), September 2007- December 2007, Vaxjo University, Sweden.
- **Research Supervisor Training Three weeks full-time study**, Course Certificate, Southeast Sweden Universities - Blekinge - Kalmar - Vaxjo, March 2006 - December 2006, Sweden.

Publications

Published Journal Article

1. Ahmed Maged, Salah Haridy, Mohammad Shamsuzzaman, **Imad Alsyouf**, Roubi Zaiid (2018). Statistical Monitoring and Optimization of Electrochemical Machining using Shewhart Charts and Response Surface Methodology. International Journal of

Engineering Materials and Manufacture. Vol 3 No 2 (2018).

<https://doi.org/10.26776/ijemm.03.02.2018.01>

2. **I. Alyouf**, Uday Kumar, Lubna Al-Ashi, Muna Al-Hammadi (2018). Improving baggage flow in the baggage handling system at a UAE-based airline using lean Six Sigma tools. *Quality Engineering Journal*, **Article in Press**. Accepted on 1st of February, 2018 <https://doi.org/10.1080/08982112.2018.1437180>.
3. Shamsuzzaman, M., Haridy, S., **Alyouf, I.**, and Abdur Rahim (2018). *Design of economic X-bar chart for monitoring electric power loss through transmission and distribution system*. *Total Quality Management & Business Excellence*, Vol. 29, No. 4, pp. 301-314, <https://doi.org/10.1080/09537287.2018.1426132>
4. M. Shamsuzzaman, M. Alzeraif, **I. Alyouf** and Michael B.C. Khoo (2018). Using Lean Six Sigma to improve mobile order fulfillment process in a telecom service sector. Accepted at *Production Planning & Control*. **Article in Press**, published on line 19 Jan 2018.
5. **I. Alyouf**, M. Shamsuzzaman, G. Abdelrahman, M. Al-Taha (2016). Improving Reliability of Repairable Systems Using Preventive Maintenance and Time-Between-Failures Monitoring, *European Journal of Industrial Engineering*, Vol. 10, No. 5, pp. 596-617.
6. M. Shamsuzzaman, M.B.C. Khoo, S. Haridy, and **I. Alyouf** (2016). An Optimization design of the combined Shewhart-EWMA control chart. *International Journal of Advanced Manufacturing Technology*, Vol. 86, pp.1627-1637. DOI 10.1007/s00170-015-8307-4. (Accepted: 22 December 2015 /Published online: 9 January 2016)
7. **Alyouf, I.**, Al-Alami, A., Saidam, A. (2015). "Implementing Product Design Development Methodology for Assessing and Improving the Performance of Products." *International Journal on Interactive Design and Manufacturing (IJIDeM)*, Volume 9, Issue 3, pp 225-234. (DOI: 10.1007/s12008-015-0281-4), Springer.
8. M. Shamsuzzaman, M. B. C. Khoo, S. Haridy, & **I. Alyouf** (2014). An optimization design of the 3-EWMA scheme for monitoring mean shifts. *The International Journal of Advanced Manufacturing Technology* vol. 73 (104). DOI 10.1007/s00170-014-6048-4. (Accepted on 7 of June 2014), Springer.
9. Brahimi, N., Dweiri, F., **Alyouf, I.**, & Khan, S. (2013). Implementing Cooperative 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. Nadjib, B., Dweiri, F., **Alyouf, I.** and & Khan, S. (2013). Cooperative Education in An Industrial Engineering Program. *Procedia – social and behavioral sciences*, Elsevier, Vol.102, pp. 446 – 453.
11. **Alyouf, I.**, Al-Araidah, O., Tates, M., & Ciganovic, R. (2012). A Multi-Criteria Decision-Making framework for Assessing the Quality and Cost of Facility Layout Alternatives: a Case Study. *The Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture*. February 2012, vol. 226, 2: pp. 353-364, A SAGE Publications journal.
12. **Alyouf, I.**, Al-Aomar, R., Al-Hamed, H. & Qiu, X. (2011). A Framework for Assessing the Cost Effectiveness of Lean Tools. *European Journal of Industrial Engineering*, Vol. 5, No. 2, pp. 170-197.
13. Diabat, A., Al-Araidah, O., **Alyouf, I.**, & Duh, C. (2011). A Heuristic Approach to Scheduling Jobs in Machining Centers Equipped with Automated Pallet Changers. *The International Journal of Advanced Operations Management (IJAOM)*, Vol. 3, No. ¾, pp. 343-353.

14. **Alsyouf, I.** (2009). Maintenance practices in Swedish industries: Survey results. *International Journal of Production Economics*, Vol. 121, pp. 212-223, doi:10.1016/j.ijpe.2009.05.005.
15. **Alsyouf, I.** (2007). The Role of Maintenance in Improving Company Productivity and Profitability. *International Journal of Production Economics*, Vol. 105, pp. 70-78.
16. **Alsyouf, I.** (2006). Measuring Maintenance Performance using a Balanced Scorecard approach. *Journal of Quality in Maintenance Engineering*, Vol. 12, No. 2, pp. 133-149.
17. Al-Najjar, B. & **Alsyouf, I.** (2004). Enhancing a Company's Profitability and Competitiveness using Integrated Vibration-based Maintenance: A Case Study. *European Journal of Operational Research* Vol. 157, pp. 643-657.
18. Al-Najjar, B. & Alsyouf, I. (2003). Selecting the Most Efficient Maintenance Approach using Fuzzy Multiple Criteria Decision Making. *International Journal of Production Economics*, Vol. 83/3, pp. 81-96.
19. Al-Najjar, B. & **Alsyouf, I.** (2000). Improving Effectiveness of Manufacturing Systems using Total Quality Maintenance. *Integrated Manufacturing Systems*, Vol. 11, No. 4, 2000. MCB University Press.

In process (journal papers) submitted for possible publication

- i. **Alsyouf, I.**, Hamdan, S., Shamsuzzaman, M., Haridy, S., Alawaysheh, I. (2017). On Preventive Maintenance Policies: A Selection Framework using MCDM and Multi-Objective Optimization. **(first submission)**.
- ii. Ali Cheaitou, Sadeque Hamdan, Rim Larbi and **Imad Alsyouf**. Sustainable Traveling Purchaser Problem Model with Speed Optimization: A Genetic Algorithm Approach". (first submission).
- iii. **Imad Alsyouf**, Maitha Alsuwaidi, Sadeque Hamdan, Mohammad Shamsuzzaman (2018). Impact of ISO 55000 on Organizational Performance: Evidence from Certified UAE Firms. **(Second submission)**.

In process (conference papers) submitted for possible publication

1. Anwar Hamdan, Nada Murad, Marah Abdelrazeq, Sadeque Hamdan and **Imad Alsyouf**, Maamar Bettayeb. Measuring sustainability behavior at University of Sharjah: A Gender Comparison. The 2nd AUE International Research Conference on "Sustainable Development and Social Responsibility" on November 13-15, 2018, the American University in the Emirates. AUEIRC18.
2. Tariq Al Hawi, **Imad Alsyouf**, Michael Gardoni. Innovation Models for Public and Private Organizations: Literature Review. The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), 16-19 December, 2018 in Bangkok, Thailand.
3. Iyad Nouri Alawaysheh, and **Imad Alsyouf** Environmental Sustainability in Maintenance Management of Public Transport Systems: Literature Review. The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), 16-19 December, 2018 in Bangkok, Thailand.

4. **Alsyouf**, A. Salti, B. Hamed, A. Abdelsalam. Using Six-Sigma DMAIC Methodology to Systematically Improve the Performance of Physical Plants at an Educational Institute. The 2018 IEOM South Africa Conference to be held at the Saint George Hotel, Pretoria during October 30 - November 1, 2018.
5. Ola AlZawati, Osama Hamad, Imad Alsyouf, Hamdi Bashir. Business Excellence Models Assessments, will Subject Matter Expert improve assessment outcome? **IEOM 3rd North American IEOM Conference, Washington, DC, USA, September 27-29, 2018**, University of the District of Columbia (UDC) Campus.
6. Sadeque Hamdan, Maitha Alsuwaidi, **Imad Alsyouf**, Mohamed Shamsuzzaman. Monitoring and Assessing the Impact of Implementing ISO 55000 in an Educational Institute. The 2018 IEOM South Africa Conference to be held at the Saint George Hotel, Pretoria during October 30 - November 1, 2018.
7. Anwar Hamdan, Ahmed Bingamil, Sadeque Hamdan, Saleh Abu Dabous, and Imad **Alsyouf**. Crack Width Detection for Concrete Structures Using Thermal Images and Artificial Neural Network, submitted for possible presentation at the Transportation Research Board (TRB) 98th Annual Meeting that will be held January 13–17, 2019, at the Walter E. Washington Convention Center, in Washington, D.C.

Published in national and international conference Proceedings

1. Abdelrahman, G., Shamsuzzaman, M, Alsyouf, I., (2018). Integrating Quality Control Charts with Maintenance: a Brief Literature Review. Accepted at the 2nd IEOM European International Conference on Industrial Engineering and Operations Management, Paris, France during July 26-27, 2018.
2. Adam, M., AlKhaja, S., Alsafadi, M., Sayour M., Hamdan S., and **Alsyouf, I.** (2018). Ranking the Needs of Students with Disabilities at the University of Sharjah and Identifying the State of the Art of Assistive Technologies. Accepted at the 2nd IEOM European International Conference on Industrial Engineering and Operations Management, Paris, France during July 26-27, 2018.
3. Sadeque Hamdan, Ali Cheaitou, Oualid Jouini, Zied Jemai, **Imad Alsyouf** and Maamar Bettayeb. On Fairness in the Network Air Traffic Flow Management with Rerouting. The 9th International Conference on Mechanical and Aerospace Engineering (ICMAE 2018), Budapest, Hungary, 10-13 July, 2018. To be published by IEEE Proceedings.
4. Asayel Albalghouni, Fatimah Alkatheeri, Nada Elbaoumy, Wafa Albaiti, Imad Alsyouf, Mohammad Shamsuzzaman, Sadeque Hamdan. Challenges of implementing ISO 55000: a case study from an educational institute. The International Conference on Industrial Engineering and Operations Management (IEOM:2018) Bandung, Indonesia, March 6-8, 2018. **It won the second place of the Poster Competition.**
5. Sadeque Hamdan, Ali Cheaitou, Rim Larbi and **Imad Alsyouf (2018)**. *Moving toward sustainability in managing assets: A sustainable travelling purchasing problem*. The 4th International Conference on Logistics Operations Management, that took place in Le Havre, France, April 10-12, 2018.
6. **Alsyouf, I.** (2017). *A bi-objective model for optimizing replacement time of age and block policies with consideration of spare parts' availability*. Presented at the second

- International Conference on Reliability Engineering (ICRE 2017), December 20-22, 2017, Milan Italy.
7. Bingamil, A., **Alsyouf, I.**, and Cheaitou, A. (2017). *Condition Monitoring Technologies, Parameters and Data Processing Techniques for Fault Detection of Internal Combustion Engines: a literature review*. Presented at the International Conference on Electrical and Computing Technologies and Applications, 2017 (ICECTA'2017), November 21-23, 2017. American University of Ras Al Khaimah (AURAK), UAE.
 8. Hamdan, S., Binkhatim, S., Jarndal, A., and **Alsyouf, I.** (2017). *On the Performance of Artificial Neural Network with Sine-Cosine Algorithm in Forecasting Electricity Load Demand*. Presented at the International Conference on Electrical and Computing Technologies and Applications, 2017 (ICECTA'2017), November 21-23, 2017. American University of Ras Al Khaimah (AURAK), UAE.
 9. **Alsyouf, I.**, Hamdan, S. (2017). *A multi-objective optimization of maintenance policies using weighted comprehensive criterion method (WCCM)*. The Seventh International Conference on Modeling, Simulation, and Applied Optimization - 2017 (ICMSAO'17), the American University of Sharjah, Sharjah, United Arab Emirates, April 4-6, 2017. Published in IEEE Xplore: 29 May 2017. DOI: 10.1109/ICMSAO.2017.7934852
 10. Hamdan, S., Larbi, R., Cheaitou, A., and **Alsyouf, I.** (2017). *Green Traveling Purchaser Problem Model: A Bi-Objective Optimization Approach*. The Seventh International Conference on Modeling, Simulation, and Applied Optimization - 2017 (ICMSAO'17), the American University of Sharjah, Sharjah, United Arab Emirates, April 4-6, 2017. Published in IEEE Xplore: 29 May 2017. DOI: 10.1109/ICMSAO.2017.7934841
 11. Shamsuzzaman, M., Jasim, E., and **Alsyouf, I.** (2016). *Application of statistical process control chart for monitoring electric power losses through transmission and distribution system: A case study*. International Conference on Industrial Engineering and Operations Management, Sept 23-25, 2016, Detroit, Michigan, USA.
 12. Shamsuzzaman, M., **Alsyouf, I.**, and Ali, A. (2015). *Optimization design of EWMA control chart for minimizing mean number of defective units per out-of-control case*. IEEE International Conference on Industrial Engineering and Operations Management, December 6-9, 2015, Singapore.
 13. **Alsyouf, I.**, Shamsuzzaman, M., Al-Taha, M. & Abdelrahman, G. (2015). *Design of Control Chart for Monitoring Time-Between-Failures of a Repairable System: a Case Study*. The 2015 International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 3 – 5, 2015.
 14. **Alsyouf, I.**, Al-Alami, A., Saidam, A. (2015). *Implementing Product Design Development Methodology for Improving Performance of Electrical Generator*. The 2015 International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 3– 5, 2015.
 15. Alhammadi, A., Alfadeel, S., Mahmoud, Y., & **Alsyouf, I.** (2015). *Enhancing Sustainability Performance through Implementing Green Rating System (LEED): a Case Study*. The 2015 International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 3 – 5, 2015.
 16. **Alsyouf, I.**, Humaid, F., Al Kamali, S. (2014). *Mishandled Baggage Problem: Causes and Improvement Suggestions*. The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2014), Malaysia, 9-12 December 2014.
 17. Shahada, T. & **Alsyouf, I.** (2012). *Design and Implementation of a Lean Six Sigma Framework for Process Improvement: a Case Study*. The IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong, China 10-13 December 2012.

18. Brahim, N., Dweiri, F., **Alsyouf, I.** & Khan, S. (2012). *Cooperative Education in an Industrial Engineering Program*. The 6th International Forum of Engineering Education, 20-22 November 2012, Kuala Lumpur, Malaysia.
19. El-Thalji, I., **Alsyouf, I.** & Ronsten, G. (2009). *A model for assessing the Operation and Maintenance Cost of Wind Farms in cold climate environment: Onshore and Offshore case studies*. The European Offshore Wind Conference & Exhibition, Offshore Wind 2009, Stockholm, Sweden, 14-16 September 2009.
20. **Alsyouf, I.** & Alzghoul, A. (2009). *Soft Computing Applications in Wind Power Systems: A Review and Analysis*. The European Offshore Wind Conference & Exhibition, Offshore Wind 2009, Stockholm, Sweden, 14-16 September 2009.
21. **Alsyouf, I.** & El-Thalji, I. (2008). *Maintenance Practices in Wind Power Systems: A Review and Analysis*. The European Wind Energy Conference & Exhibition Brussels Expo, Belgium, 31 March - 3 April 2008.
22. Duh, C., Daub, C., **Alsyouf, I.** & Al-Araidah, O. (2007). *A Scheduling Heuristic for Enhancing Effectiveness Of Machining-Centers With A Multiple APC: Case Study*. The 2nd International Conference on Operations and Supply Chain Management (OSCM), 18 – 20 May, 2007, Bangkok THAILAND, <http://utcc2.utcc.ac.th/oscm2007/>.
23. Tate, M., Ciganovic, R., **Alsyouf, I.** & Al-Araidah, O. (2007). *A Model For Assessing Cost Effectiveness Of Facility Layouts – A Case Study*. The 2nd International Conference on Operations and Supply Chain Management (OSCM), 18 – 20 May, 2007, Bangkok THAILAND, <http://utcc2.utcc.ac.th/oscm2007/>.
24. Andersson, D., Hagser, M. & **Alsyouf, I.** (2005). *A Model to Assess and Improve the Cost Effectiveness of Inventory Management Decisions: A Case Study*. International Conference on Operations and Supply Chain Management (O/SCM), Bali, 15-17 December 2005, R1, Dept. of Industrial Engineering ITS – Indonesia (ISBN: 979-545-039-5), <http://www.oscm2005.org>
25. Fransson, A., Roseel, A. & **Alsyouf, I.** (2005). *Enhancing Productivity of Manufacturing Process by Improving Material Flow: A Case Study*. International Conference on Operations and Supply Chain Management (O/SCM), Bali, 15-17 December 2005, R1, Dept. of Industrial Engineering ITS – Indonesia (ISBN: 979-545-039-5), <http://www.oscm2005.org>
26. Al-Najjar, B., **Alsyouf, I.** & Ingwald, A. (2004). *A Practical Model for Selecting and Improving the Most Cost-Effective Maintenance Policy: Part I*. the International Conference of Maintenance Societies (ICOMS), 25-28 May 2004, Sydney, Australia, <http://www.icoms.org.au/webindex.htm>.
27. Al-Najjar, B. & **Alsyouf, I.** (2004). *Mechanistic Model for Predicting the vibration Level: A Case Study*. the international conference on Modelling Industrial Maintenance and Reliability (MIMAR), 5-7 April 2004, University of Salford, the UK, pp. 7-12. <http://www.ima.org.uk/mathematics/confmaintenance.htm>.
28. Al-Najjar, B. & **Alsyouf, I.** (2003). *Mechanistic model for predicting the CM parameter value a case study*. the 16th international congress of (COMADEM). 27-29 August 2003, Växjö University, Sweden, pp. 99-108.
29. Al-Najjar, B. & **Alsyouf, I.** (2003). *JUST IN Time Maintenance: a way to improve companies' competitiveness*. Business excellence: performance measures, benchmarking and best practices in new economy, 10-13 June, University of Minho, Braga, Portugal, pp. 596-602.
30. **Alsyouf, I.** (2002). *The Role of Maintenance in Improving Company Productivity and Profitability*. IFRIM: International Foundation FOR Research in Maintenance, 6-8th May 2002, Växjö University, Sweden.
31. **Alsyouf, I.** (2001). *Balanced Scorecard concept adapted To Measure Maintenance Performance: A Case Study at A Swedish Paper-Mill Company*. The Conference of COMADEM 2001, University Of Manchester, Manchester, UK. September 2001.

32. Al-Najjar, B. & **Alsyouf, I.** (2001). *Vibration-Based Maintenance Costs, Potential Savings and Benefits: A Case Study*. The Conference of COMADEM 2001, University Of Manchester, Manchester, UK. September 2001.
33. A-Najjar, B. & **Alsyouf, I.** (2000). *Selection the most efficient maintenance-approach using fuzzy multiple criteria decision-making*. The Conference of COMADEM 2000, 3-8 Dec., 2000, Houston, Texas, USA.
34. Al-Najjar, B. & **Alsyouf, I.** (1999). *Maintaining Performance-Efficiency And Quality Rate For High Effectiveness Of Manufacturing Machines*. The International Conference on Condition Monitoring, Condition Monitoring '99, University of Wales Swansea, Swansea, 12th -15th April 1999.
35. Zaid, A., **Alsyouf, I.** & Al-Hadeed, T. (1996). *Experimental Investigation of Shot Peening Parameters*. The Sixth Cairo University International MDP Conference Cairo, 2-4 January 1996. Current Advances in Mechanical Design and Production.

Published Book Chapter

1. **Alsyouf, I.** (2011). Reliability and operation and maintenance strategies. *'Wind energy systems: Optimising design and construction for safe and reliable operation*. pp. 303-328. Edited by J D Sørensen, Aalborg University and J N Sørensen, Technical University of Denmark. Woodhead Publishing Series in Energy No. 10, Woodhead Publishing Limited. ISBN 1 84569 580 1, ISBN-13: 978 1 84569 580 4.
2. **Alsyouf, I.**, I. ngwald A. and Al-Najjar B. (2004), A Practical Model for Selecting and Improving the Most Cost-Effective Maintenance Policy: Survey Results, (Chapter in a book), "Cost effective maintenance for competitive advantages", Vaxjo university (Acta Wexionensia), Sweden ISBN: 91-7636-401-1.
3. Al-Najjar, B., **Alsyouf, I.** & Ingwald, A. (2005). The Impact of Internal Effectiveness on Company Competitiveness & Profitability, *Creation Of Industrial Competitiveness CIC 2001-2004*. Sweden, Vaxjo University (Acta Wexionensia) ISBN: 91-7636-467-4.
4. Al-Najjar, B., **Alsyouf, I.** & Prakash, O. (2005). The Impact of Internal Effectiveness on Company Competitiveness & Profitability, *Creation of Industrial Competitiveness CIC 2001-2004*. Sweden, Vaxjo University (Acta Wexionensia), ISBN: 91-7636-467-4.

Technical and research report

- i. Al-Najjar, B. & **Alsyouf, I.** (2000). *On the selection of the most informative maintenance approach*. Report Nr 1 2000, ISBN 91-7636-287-6, ISSN 1404-045X, Vaxjo University, Sweden.
- ii. Al-Najjar, B. & **Alsyouf, I.** (2000). *Total Quality Maintenance (TQMain.): A Tool to Improve Manufacturing Systems Effectiveness*. Report Nr 10 2000, ISBN 91-7636-263-9, ISSN 1404-045X, Vaxjo University, Sweden.
- iii. Al-Najjar, B., **Alsyouf, I.**, Salgado, E., Khoshaba, S. & Faagorg, K. (2001). The economic importance of maintenance planning when using vibration-based maintenance. Project report, Vaxjo University, Terotechnology. Vaxjo University, Sweden 2001.

- iv. Al-Najjar, B., **Alsyouf, I.** & Ingwald, A. (2004). Model for selecting a cost effective maintenance policy. Project report, Vaxjo University, Sweden, 2004.

Theses

- i. Alsyouf, I. (2004). Cost effective maintenance for competitive advantages- Thesis for the degree of doctor of philosophy (Terotechnology), School of industrial engineering, Vaxjo University Press, Acta Wexionensia, Sweden, ISBN: 91-7636-401-1.
- ii. Alsyouf, I. (2001). The role of Maintenance in Company's Competitiveness and Profitability Improvements-Thesis for the Degree of Licentiate of Engineering, School of industrial engineering Vaxjo University, Sweden, ISBN: 91-7636-314-7. Second Edition (2004).
- iii. Alsyouf, I. (1995). "The Effect of Shot Peening on The Mechanical Properties of Some of the Metals Used in Air Craft Industry", Thesis Submitted In Partial Fulfillment of the Requirement for the Degree of Master of Science in Industrial Engineering, Faculty of Graduate Studies, University of Jordan, January 1995.

Popular-scientific articles

- i. Alsyouf Imad, (2006), Lönsamt sätta siffror på underhåll, Process Nordic: Nyheter och trender i nordisk processindustri, 2006, No.8, page 13, /www.processnet.se.
- ii. Alsyouf Imad, (2006), Industriunderhåll- ett konkurrensmedel, Underhåll & Driftsäkerhet, Nr 3/2006, page 12-13. (www.maintenancenet.se).
- iii. Alsyouf Imad, (2005), Underhåll ökar företagets konkurrenskraft, Underhåll & Driftsäkerhet, Nr 4/2005, page 16-18. (www.maintenancenet.se).
- iv. Alsyouf Imad, (2004), Underhåll ökar företagets konkurrenskraft, Teknik & vetenskap, Volume 20 Nr 4/2004, page 42. (www.forskning.com).

Invited speaker

- i. Invited to give three lectures in a seminar for the benefit of the industrial engineering students at the University of Sharjah, UAE, from Nov. 10 to Nov. 15, 2008.
- ii. At the Conference held by UTEK "Underhåll- ett konkurrensmedel" in Svenska Mässan in Göteborg on 15 March 2006.
- iii. At the conference held by the Scandinavian Reliability Engineers (SRE) and Scandinavian Organization of Logistics Engineers (SOLE) on the 10th of November 2004, Malmo Sweden.
- iv. At Seminar Day held by Metso Drives AB in Göteborg on the 18th of November 2005.

Research Interest

My research area is in reliability and maintenance of engineering assets with the objective of continuously improving both efficiency and effectiveness of resources. My research interests include reliability, quality and maintenance engineering, Total Quality Management (TQM), Lean Production, productivity improvement, performance measurement, life cycle cost analysis, Innovation Management, and optimization. I have developed and taught more than 25 post and undergrad courses covering a wide range of IEEM fields. I delivered training courses in Kaizen, TQM, and organizational excellence for the UoS employees and other governmental organizations such as Dubai police-residency and foreigners affairs.

Funded Projects at University of Sharjah, UAE.

1. The Impact of Condition Based Maintenance (CBM) and Intelligent Machine Monitoring on Engineering Asset Sustainability; A Case Study on Dubai Public Transport Agency. **PI: Dr Imad Alsyouf**, Internal Researchers Dr Mohammad Shamsuzzaman, Dr Hamdi Bashir, External Collaborators: Dr Ahmad Alzghoul, Sweden, Dr Majid Salameh Alsmadi, RTA, Eng. Iyad Alawaysheh, RTA. Budget 196000 AED, for 24 months starting from November 1st, 2016.
2. ISO 55000 (PAS 55) Standard – effects on engineering assets performance and implementation challenges: a benchmarking study based on RTA experience in- and University of Sharjah pilot student for- adopting the standards. **PI: Dr Imad Alsyouf**, Researcher Dr Mohammad Shamsuzzaman, budget 133000 AED, for 24 months starting from November 1st, 2015.
3. Comparison study on effectiveness of EWMA control charts for monitoring process mean. PI: Dr Mohammad Shamsuzzaman, **Researcher Dr Imad Alsyouf**, budget 100000 AED, September 2015-August 2017.
4. An Empirical Study on Improving Organizational Innovation in the United Arab Emirates **PI: Dr. Hamdi Bashir, Prof. Gardoni Mickael, Dr. Imad Alsyouf and Refaat Hassan Abdel Razek**
5. Sustainable supply chain operations management: integrated supplier selection, procurement, production, maintenance and distribution models. PI: Dr Ali Cheaitou, **Dr Imad Alsyouf**, Eng. Sadeque Hamdan, and Dr Rim Larbi (external).
6. A Decision Support System (DSS) for Integrated Sustainable Airport Ground Operations Management. PI: Dr Ali Cheaitou, **Dr Imad Alsyouf**, Eng. Sadeque Hamdan, and Dr Rim Larbi (external).

Submitted research proposal in January 2018

1. Multi-attribute Control Charts for Effective Monitoring of Fraction Nonconforming. PI Dr Salah Haridy, **Dr Imad Alsyouf**.
2. Performance Based Contracting Framework for Management of Bridge Infrastructure. PI Dr Saleh Abo Dabous, **Dr Imad Alsyouf**.

Funded Projects at University of Linnaeus, Sweden.

1. Andreas Horste, and Walter Abdiu from (Storebro Maskinrenovering AB), Fredrik Lindahl from (Svensk Vindkraftförening), Idriss El-Thalji and Imad Alsyouf from (Växjö University), and Lars Hedström from (Finans & Kompetens i Sverige AB). Failures of gearboxes of wind turbines with a focus on onshore farms. The project was financed by WINDFORSK III program (ELFORSK) and the following companies: Skellefteå Kraft, Skellefteå Energi Underhåll, SPM Instrument, Regionförbundet Kalmar,

E.ON Vind Sverige AB, and Vattenfall Vindkraft AB. The project period was seven months from September 2009 to March 2010.

2. Worked as a researcher in the project "a practical model to select and improve the most cost-effective maintenance technique", the project was partly financed by the Swedish maintenance society (UTEK) and the centre of industrial competitiveness (CIC) at Vaxjo University, 2002-2003.
3. Worked as a researcher in the project "economic importance of maintenance planning when using vibration-based maintenance policy". The project was financed by the Swedish government and the following companies: Volvo tracks/Koping, ABB Alstom Power AB, SKF/Condition Monitoring and StoraEnso Hyltebruk AB. The project started in Dec. 1999 and finished in June 2001

Courses Taught

A list of the courses that I have been teaching up to and including Spring 2016/2017 semester is presented below. Noting that I used to get excellent students' evaluation.

University of Sharjah: January 2009-onwards

Post graduate

Engineering Asset Management (2 Times)

Under graduate

Industrial Automation and its lab (20 times)

Coordinator Co-op in industry (13 times)

Manufacturing Processes (6 times)

Stochastic System Simulation and its lab (6 times)

Product Design and Innovation Management (5 times)

Design for the Environment and Safety (Once)

Maintenance Planning and Control (twice)

German Jordanian University: (summer 2009 and summer 2010)

Managing Maintenance Systems (Once)

Lean Production Systems (Once)

Facilities planning (Once)

Jordan University of Science and Technology (JUST): (summer 2008)

Facilities planning (Once)

Lean Production Systems (Once)

Vaxjo University and Linnaeus University (Sweden): 2000-2010

Facilities planning (10 times)

Life Cycle Cost Analysis (Cost Analysis) (10 times)

Reliability Engineering (6 times)

Logistics management (6 times)

Principle of lean production (4 times)

Operations Research, Proc. and Distribution (4 times)

Operations Management (2 times)

Facilities planning & production management (3 times)

University of Jordan: 1995-1997

Manufacturing processes I and its lab (3 times)

Cost accounting (2 times)

PhD Supervision at University of Sharjah

- i. Iyad Nouri Alawaysheh, Ph.D. dissertation titled “*Selecting Maintenance Strategy Based on Environmental Sustainability Criteria; a Framework and a Case Study from Public Transport Sector*”. **Supervisor Dr. Imad Alsyouf. (In process: proposal was defended in Spring 2017)**
- ii. Tariq Al Hawi, Ph.D. dissertation titled “*Development and implementation of an innovation model for Government Services*”. **Main supervision Dr. Imad Alsyouf and co-supervisor Prof. Mickael Gardoni. (In process: proposal was defended in Spring 2017).**
- iii. Ola AlZawati, Ph.D. dissertation titled “*Investigating the Major Management Practices in Organizational Excellence Models Applied in Public Sector*”. **Main supervision Dr. Imad Alsyouf and co-supervisor Dr Hamdi Bashir. (In process: proposal was defended in fall 2017).**

PhD Supervision at University of Linnaeus

- i. **Alireza Ahmadi:** Acted as a co-supervisor for him at Luleå University during- Jan. 2007- Sep. 2007. His main supervisor was Professor Uday Kumar at Luleå University of Technology, division of Operation and Maintenance Engineering, Sweden.
- ii. **Idriss El-Thalji:** acted as a co-supervisor for him in the area of operation and maintenance of wind power systems, at school of engineering, Linnaeus University, Sweden, 2008- 2010. His thesis entitled *Systems dependability engineering for wind power applications*.
- iii. **Renato Ciganovic:** acted as a co-supervisor for him in the area of operation and maintenance of wind power systems, at school of engineering, Linnaeus University, Sweden 2009- 2011. His thesis entitled *Supportability Engineering in Wind Power Systems – Who Cares?*

Master Supervision at the University of Sharjah

Master Thesis:

- i. Ahmed A. Al Shehni, MSc Thesis titled “*A sustainable integrated production and maintenance planning model*”, **Main supervision Dr. Imad Alsyouf and co-supervisor Dr Ali Cheaitou. The proposal was defended in Spring 2017.**
- ii. Ahmed Abuarada MSc Thesis titled “*Selection of sustainable building material for a building project in UAE: Development of Multi-criteria Model*” **Main supervision Dr. Imad Alsyouf and co-supervisor Dr Saleh Abu Dabous. (Suspended).**
- iii. Gasim Mohamed Mustafa Abd Elrahman, MSc Thesis titled “*An integrated model for economic design of times-between-events control chart under maintenance policies*”, **Main supervision Dr. M. Shamsuzzaman and co-supervisor Dr. Imad Alsyouf. Has defended his proposal in fall 2017.**
- iv. Ahmed Ameen Bingamil MSc Thesis titled “*Optimized Selection of Condition Monitoring Technologies to Monitor Automotive Critical Components: A Sustainable*

Approach”, **Main supervision Dr. Imad Alsyouf** and co-supervisor Dr Ali Cheaitou. **The proposal was defended in Spring 2018.**

Master Project

- v. Fatima Humaid Hussain, MSc Project titled “Identification of Causes of Road Asset Accidents using FMEA Methodology: a study in Sharjah.” **Defended Spring 2016.**
- vi. Maitha Mohamed Ahmad Alsuwaidi, MSc Project titled “Development of asset management performance criteria for assessing the impact of ISO 55000 on organizational performance” **Defended Spring 2017.**
- vii. Fatima Ibrahim Alhammadi, MSc Project titled “Improving Aircraft Structure Defect Detection Process using Lean Six Sigma” **(Suspended).**
- viii. Samya Ali Mohamed, MSc Project titled “Green Rating System for Higher Education Institutions (HEIs) in the UAE” **Main supervision Dr. Emad Mushtaha** and co-supervisor Dr **Imad Alsyouf. The proposal was defended in Spring 2018.**

Master Supervision at other Universities

Adam Zaidan: acted as a co-supervisor for his thesis at Jordan University of Science and Technology (JUST) 2011-1012. His M.Sc. thesis entitled Outsourcing Maintenance activities using multiple criteria decision making.

At Linnaeus University in Sweden I have supervised at least 15 Swedish master student projects.

Bachelor supervision

At university of Sharjah I have been supervising many senior design projects and co-op projects. And At Linnaeus University in Sweden I have supervised 5 bachelor graduating projects

Examination of master theses and projects

- Sumayya Saeed Hasan Almazrouei, “An integrated model for forecasting power demand and control energy flow in large-scale grid connected PV system”, Master Thesis, UOS, Fall 2017/2018.
- Sara Ahmed Mohamed Ali Abduli. “Application of AHP in assessing heritage and modern buildings based on sustainability” -- Master project, Department of Industrial Engineering and Engineering Management, University of Sharjah, UAE, Fall 2016-17.
- Hamed Allaham H., “Energy management of UAE data centre using optimized photovoltaic system”, MSc. Thesis Proposal, UOS, November 2014.
- Hamdan, S., “Green supplier selection and order allocation”, MSc. Thesis Proposal, UoS, November 2014.

- Hamdan, B., "Factor-analysis based approach for decomposing traveling salesman problem", MSc. Thesis Proposal, UoS, November 2014.
- AbdelJawad, A., "A comprehensive model for organizational and related influencing factors", MSc.Thesis Proposal, UoS, November 2014.
- Touqan, M., "Current project management practices in the construction industry in the United Arab Emirates", MSc. Thesis Proposal, UoS, November,2014

Administrative Duties

University of Sharjah

- Coordinator for the co-op training course, September 2010-September 2016.
- Assistant for the chair of the Industrial Engineering and Management Department, September 2011-September 2012.
- Serving as acting Coordinator for the NE & ME programs during the summer of 2013.
- Serving as acting dean for the faculty of Engineering during the summer of 2013.
- **Chairman** of the Industrial Engineering and Engineering Management Department, University of Sharjah, **15th of February 2015 till 31 August 2016**.
- **Founder and coordinator** of the Sustainable Engineering Asset Management (SEAM) research group, **since April 2015**.
- **Director of the sustainability office** at the University of Sharjah since 22nd of October, 2017.

Vaxjo University and Linnaeus University (Sweden): 2000-2010

- Coordinator for an education bachelor program called "Managing Technology and Projects", 2005-2006.
- Coordinator for a full year course for international exchange students, 2MT008, called. Production and Engineering Management, 2008-2010.
- Managing and funding cooperation projects for teacher and student exchange between Jordan universities (Jordan University of Science and Technology (JUST) and German Jordanian University) and Sweden, 2006-2010.

Thyssenkrupp Jordan Lift and Crane Manufacturing Company (JOLIFT)

- **Director of the planning department**, February 1993-September 1995. I managed a team of five engineers.

Committees and Task force

University of Sharjah

- **Member**, Department Council, 2010-onwards.
- **Coordinator**, the department industrial link and community services, for the 2014/2015 academic year.
- **Member**, department teaching, Learning, and Accreditation, for the 2014/2015 academic year.
- **Coordinator** for the committee responsible for developing the department strategic plan, December 2013-April 2014.
- **Coordinator** for a college committee that is responsible for developing the Community Service Part of the strategic plan, April-May 2014.
- **Member** of the college Research and Graduate Studies Committee, September 2013-onwards.
- **Member** of the university committee "Library and Learning Resources Committee", September 2013-onwards.
- **Member** of a committee to manage and coordinate the ME program, September 2012-September 2013.

- **Member** of the search and recruitment committee for the ME Faculty Hiring, February –June 2013.
- **Member** of the search and recruitment committee for the ME Staff Hiring, February– June 2013.
- **Member** of the committee for the ME Lab, February–June 2013.
- **Member** of a college promotion committee, February-March 2014.
- **Member** of a university committee to study and evaluate the possibility of establishing a publishing house at the university, February-April 2014.
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- **Member** of the college of engineering council, September 2011-September 2013.
- **Member**, committee to prepare a plan for the newly established Bachelor’s Program in Mechanical Engineering, October 2010-December 2011.
- Chair of the university joint committee to oversee the maintenance and air conditioning for all the university’s buildings and facilities, October 2011-June 2012.
- **Chair** of the university joint committee to oversee the general appearance and environmental health at the university, October 2011-June 2012.
- **Member** of a committee to supervise the new women’s sport complex, January 2012-June 2012.
- **Coordinator** for the promotion Department committee for a colleague (Dr. Shamsuzzaman), February 2012.
- **Coordinator** for the search and recruitment committee for an IEEM lab engineer position, April-June 2012.
- **Member** of a university committee entitled “crisis Management committee, March –June 2016.
- **Coordinator** of the college Faculty Affairs Committee, September 2015- August 2016.
- **Coordinator** of the department Industrial Link, Alumni Relationship and Community Service committee, September 2015- August 2017.
- **Coordinator** of the department Course Planning and Scheduling committee, September 2015- August 2016.
- **Coordinator** of the department recruitment committee to hire academic officer, February 2016- August 2016.
- **Member**, MSc in Engineering Management Committee, February 2015- August 2016.
- **Member** of the college of engineering council, February 2015- August 2016.
- **Member** of a university committee to develop a study to establishing a Risk Management Function at the UoS. Fall 2016.
- **Member of** the promotion Department committee for a colleague (Dr. Ali Cheaitou), May 2017.
- **Chairman of** the University Campus Sustainability Committee, 2016/2017.

Vaxjo University and Linnaeus University (Sweden): 2000-2010

- Developing an educational engineering program and new courses.
- Enhancing the relation between the university and the Swedish regional Industry.
- Coordinating high seminars at the school where international and national researchers are invited to present some of their work to the Swedish industry and PhD students.

Training courses offered

- 1) Development and continuous improvement methodology by Kaizen: منهجية التطوير والتحسين بأسلوب كايزن **Dubai, 29-30, March 2014**. Offered for a group of managers of a Libyan Oil and Gas company senior managers.
- 2) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي). Offered for Sheikh Zayed Housing Program, **Dubai 21st September 2014- 14th May 2015** organized by the center for continuing education and professional development at the University of Sharjah.
- 3) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي), **Dubai, 16-17 September 2015**. Offered for Dubai Land, organized by the center for continuing education and professional development at the University of Sharjah.
- 4) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي), **Sharjah**, Offered for University of Sharjah Employees, Employees 3rd **batch (5th April, 2015 till 17th of March 2016)**, organized by the center for continuing education and professional development at the University of Sharjah.
- 5) Diploma in "TQM and organizational Excellency (إدارة الجودة الشاملة والتميز المؤسسي)", **Sharjah, 21st December 2015- 18th May 2016**, Offered for Ministry of Public Work Employees, organized by the center for continuing education and professional development at the University of Sharjah.
- 6) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي), **Sharjah**. Offered for University of Sharjah Employees fourth **batch (21st April, 2015 till 24th of November 2015)**, organized by the center for continuing education and professional development at the University of Sharjah.
- 7) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي), **Sharjah**,. Offered for University of Sharjah Employees (Kalbaa Branch) fifth batch **8th of December 2015 till 28th of April 2016**, organized by the center for continuing education and professional development at the University of Sharjah.
- 8) Diploma in "TQM and organizational Excellency (إدارة الجودة الشاملة والتميز المؤسسي)", **Sharjah, 17th of April 2016- 30th of May 2016**, Offered for General participants, organized by the center for continuing education and professional development at the University of Sharjah.
- 9) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي), **Sharjah, the 11th of April till the 1st of June 2016..** Offered for Sharjah Government Employees, organized by the center for continuing education and professional development at the University of Sharjah.
- 10) Diploma in "TQM and organizational Excellency (إدارة الجودة الشاملة والتميز المؤسسي)", **Sharjah**, Offered for **Dubai Police**, organized by the center for continuing education and professional development at the University of Sharjah. The first batch **(9th May, 2016 till the 17th of November 2016)**.
- 11) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي). Offered for University of Sharjah Employees **sixth batch (12th April, 2016 till 17th of November 2017)**, organized by the center for continuing education and professional development at the University of Sharjah.
- 12) TQM and organizational Excellency (برنامج إدارة الجودة الشاملة والتميز المؤسسي), **Sharjah**. Offered for University of Sharjah Employees **seventh batch (6th December, 2016 till 13th of April 2017)** organized by the center for continuing education and professional development at the University of Sharjah.
- 13) Diploma in "TQM and organizational Excellency (إدارة الجودة الشاملة والتميز المؤسسي)", **Sharjah, March 15- May 03, 2017**, Offered for **Dubai Police**, organized by the center for continuing education and professional development at the University of Sharjah. The second batch.

- 14) Diploma in "TQM and organizational Excellency (إدارة الجودة الشاملة والتميز المؤسسي)", **Sharjah, March 1- April 30, 2018**, Offered for **Dubai Police**, organized by the center for continuing education and professional development at the University of Sharjah. The third batch.
- 15) Diploma in "TQM and organizational Excellency (إدارة الجودة الشاملة والتميز المؤسسي)", **Sharjah, March 25- April 26, 2018**, Offered for **General participants**, organized by the center for continuing education and professional development at the University of Sharjah.

Community services

Developing and enhancing the cooperation between Beeah and the University of Sharjah and planning for signing a MOU at the university level, 2012.

Acting as a judge at the National Think Science Competition 2103 and 2014.

Acting as a reviewer for a master program in "Maintenance Engineering and Quality Management" that was developed by University of Jordan as part of a TEMPUS project, 9-24 September 2013.

Visiting URUK engineering and contracting company with two colleagues from SREE program as per request from Prof. Mufid Samerayee "Sharjah Research Academy". Consequently, preparing a feasibility study proposal for "Intake Air Cooling of Gas Turbine."

Participating in the activities of the UAE Innovation Week which was held from 22-28 November 2015, by giving a seminar entitled "Implementing Product Design Development Methodology For Assessing and Improving Performance of Electrical Generator"

Visit and Seminar about SEAM research Group and Collaboration Opportunities with Dubai Municipality on the 14th of January 2016.

Visit and Seminar about SEAM research Group and Collaboration Opportunities with Road and Transport Authority (RTA), Dubai on the 27th of January 2016.

Giving a seminar entitled "SDP or Co-op" per request of IIE chapter on Sunday the 24th of April, 2016.

Participating in the activities of the UAE Innovation Week which was held from 22-28 November 2015, by giving a seminar entitled "Implementing Product Design Development Methodology For Assessing and Improving Performance of Electrical Generator"

Developing and enhancing the cooperation between DAEP and the University of Sharjah and planning for signing a MOU at the university level, 2017. See the event that was conducted on Thursday the 12th of January 2017 between Dr Zain and research coordinators at RISE.

Organizing and participating in a workshop titled "Sustainability in Operations and Maintenance Management: challenges and opportunities". During 26-17th of February 2017, where the

keynote speaker was Prof. Uday Kumar from LTU, Sweden, in collaboration with Emirate industries.

Developing and signing a letter of Intent (LoI) between the University of Sharjah and Lulea University of Technology (LTU) in Sweden in April 2017. The aim of the LoI is promote academic cooperation, mutual understanding, and friendly relationship which will lead to signing an MOU.

Developing and arranging for signing the Memorandum of Understanding (MOU) for collaboration between Sharjah Municipality and University of Sharjah on the 4th of June 2017.

Journal reviewer

I have been acting as a reviewer for the following international journals shown below:

| Journal Name | /Since |
|---|----------------|
| • Total Quality Management and Business Excellence | /2018- onwards |
| • Reliability Engineering and System Safety | /2018- onwards |
| • International Jour. of Manufacturing Tech. and Management | /2018- onwards |
| • Journal of Quality in Maintenance Engineering | /2016- onwards |
| • European Journal of Industrial Engineering | /2016- onwards |
| • International journal of Quality and Reliability Management | /2013- onwards |
| • International Journal of Computer Integrated Manufacturing | /2012- onwards |
| • Quality and Reliability Engineering International | /2011- onwards |
| • Journal of Engineering Manufacture | /2010- onwards |
| • European Journal of Operational Research | /2008- onwards |
| • Operations and Supply Chain Man.: An International Journal | /2007- onwards |
| • The Int. Jour. of Services Tech. and Management (IJSTM) | /2006- onwards |
| • The international journal of production economics (IJOPE) | /2003- onwards |

Member of an editorial board

Since 2007-onward: Operations and Supply Chain Management: An International Journal.
<http://www.oscm-forum.org>

Member of international conference technical committee

- The 8th International Engineering Education Forum (IFEE) 2017 April 18 - 20, 2017, University of Sharjah – Sharjah, United Arab Emirates
- The 7th International Conference on Operations and Supply Chain Management (OSCM), 18 – 21 December 2016, Phuket, Thailand. **(Reviewer)**.
- The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2016), Bali Indonesia, 4-7 December 2016. **(Reviewer)**.
- The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2016), Guangzhou, P.R. China, 7-8 November 2015. **(Reviewer)**.

- The 2015 International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 3 – 5, 2015. **(Reviewer and Session Chair).**
- The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2014), Malaysia, 9-12 December 2014. **(Reviewer and Session Chair).**
- The IEEE International Conference on Industrial Engineering and Engineering Management. Bangkok, Thailand, 10-13 Dec 2013. **(Reviewer and session Chair).**
- The IEEE International Conference on Industrial Engineering and Engineering Management. Hong Kong, China 10-13 December 2012. **(Reviewer and session Chair).**
- The European Wind Energy Conference and Exhibition (EWEC) 2011 **(Program Committee member)**
- The European Wind Energy Conference and Exhibition (EWEC) 2010 **(Program Committee member)**
- The third International Conference on Operations and Supply Chain Management (OSCM), Malaysia, 2009- **(Reviewer).**
- The second International Conference on Operations and Supply Chain Management (OSCM), Bangkok THAILAND, 2007- **(Reviewer and session chair).**
- The first International Conference on Operations and Supply Chain Management (OSCM), Bali, December 2005 – **(Reviewer and session chair).**

Professional Memberships

1989 - Present, Jordan Engineers Association, Member.

2008 - 2012, the European Wind Energy Association (EWEA), Member.

2009 - Present, the Jordanian Renewable Energy Society, Member.

2015 -present, the Institute of Asset Management (IAM) UK. Associate member.

2018- Present, Association for the Advancement of Sustainability in Higher Education (AASHE)

Awards and Honors

Center of Industrial Competitiveness, Vaxjo University, Sweden. (2002). Scholarship during the period 2002-2004.

Award of the best Outstanding College/ Green Campus domain/ 6th Cycle 2017/2018, awarded by Sharjah Environmental and Protected Areas Authority

Winning the second place of the Poster Competition for the paper titled "Challenges of implementing ISO 55000: a case study from an educational institute." Published at the proceedings of The International Conference on Industrial Engineering and Operations Management (IEOM:2018) Bandung, Indonesia, March 6-8, 2018.