# Curriculum Vitae

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## PERSONAL DATA

**Name** Jaber Eid Abu Qudeiri
**Nationality** Jordanian
**Date of Birth** March 3, l969

## EDUCATION

- Ph.D in Industrial Engineering / Manufacturing, Gifu University, Japan, 3/2008. Thesis title: Concurrent Production Engineering System for Buffer Size and Layout Design of Flexible Production Systems
- M. Sc. in Mechanical and System Engineering, Gifu University, Japan. 3/2005.
- B.Sc in Mechanical Engineering. University of Jordan, Jordan, 7/1992.

## EXPERTISES

Manufacturing Systems, Computer Numerical Control, CAD\CAM, Artificial Intelligence, Concurrent Engineering, CNC Tool Path, EDM.

## EXPERIENCES

9/2012 – Present
Assistant Professor, King Saud University, Advanced Manufacturing Institute.

8/2010 – 9/2012
Assistant Professor and (Head of the Industrial Engineering Department for one year 9/2011 – 8/2012), King Abdulaziz University, faculty of Engineering in Rabigh, Industrial Engineering Department. The work includes the following:

- Teaching the following: Introduction to Engineering design course, Probability and Engineering Statistics, Industrial Engineering Seminar.
- Preparing a design for Computer Integrated Manufacturing lab in the Industrial Engineering Department.
- Preparing (with others) a department curriculum proposal.
- Establish (with others) the new labs.

9/2008 – 8/2010
Assistant Professor, Philadelphia University, Mechanical Engineering Department. Teaching the following: Manufacturing Processes, Computer Aided Design\Computer aided Manufacturing (CAD\CAM), Engineering Material and Manufacturing Technology, Reverse Engineering, Computer Aided Drafting, Workshop I, and Workshop II.

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| 4/2002 – 3/2003 | Research Student in Modern Manufacturing Systems Lab., Mechanical and System Engineering Department, Gifu University, Gifu, Japan. |
| 3/1999 – 3/2002 | Training Officer in CNC machine tools workshop and Machinery workshop, Specialized Training Institute, Vocational Training Corporation, Amman, Jordan. |
| 9/1994 – 3/1999 | Lab. Supervisor in Department of Mechanical and Industrial Engineering, Applied Science University, Amman, Jordan. Supervisor of the following Lab.: Computer Aided Design Lab., Automatic Control Lab., and Strength of Materials Lab. |

## TEACHING EXPERIENCE

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|---|---|
| Since 2008 | Manufacturing Processes |
| Since 2008 | CAD\CAM |
| Since 2008 | Engineering Material and Manufacturing Technology |
| Since 2008 | Computer Aided Drafting |
| Since 2009 | Reverse Engineering |
| Since 2009 | Workshop I and Workshop II |
| Since 2010 | Introduction to Engineering design |
| Since 2010 | Probability and Engineering Statistics. |

## AWARDS

- Full time scholarship for Masters and PhD from Ministry of Education, Culture, Sports, Science & Technology Japan (Monbukagakusho) 2002-2008, Gifu University, Japan
- Letter's Patent with name of Isolated Plastic Protector of Water Counter, Registered at Ministry of Industrial and Tried under No. P/1775, 1993.
- Best paper award ICACTE 2014, August 8-10, 2014, Singapore

## RESEARCH GRANT

1. Development & Evaluation of a System of Integrated Agents and Numerical Optimization for Flexible Manufacturing Systems (Design – FMS), King Abdulaziz City for Science and Technology (KACST), Saudi Arabia, SAR 1523000, **Principal Researcher (accepted).**
2. Modelling and Optimization while Machining Particle Reinforced Alumina Based Metal Matrix Composites, King Abdulaziz City for Science and Technology (KACST), Saudi Arabia, SAR 1760000, **Co-Researcher (accepted).**
3. Development of tool wear and surface integrity models for hard turning with self-propelled rotary cutting tools, **Consultant (accepted).**

## PUBLICATIONS

### Publications in Refereed Journals

**(1)** **Jaber Abu Qudeiri**, Usama Umer, Fayiz Abu Khadra, Huseein Hussein, Abdulrahman Alahmari, Said Darwish and M.H. Abidi, Layout Design Optimization of Dynamic Environment Flexible Manufacturing Systems. *Advances in Mechanical Engineering,* Vol. 7(6) 1–9, 2015.

**(2)** **Jaber Abu Qudeiri,** Production Simulator System for Flexible Routing optimization in FMS. *Journal of Engineering Manufacture, 0954405415584959, first published on May 11, 2015.*

**(3)** Fayiz Abu Khadra, and **Jaber Abu Qudeiri**, Second Order Sliding Mode Control of the Coupled Tanks System, *Mathematical Problems in Engineering, Received 7 March 2015; Accepted 5 April 2015.*

**(4)** U. Umer, M. Ashfaq, **J. A. Qudeiri**, H. M. A. Hussein, S. N. Danish,A. R. Al-Ahmari. Modeling machining of particle-reinforced aluminum-based metal matrix composites using cohesive zone elements, *International Journal of Advanced Manufacturing Technology, Volume 78, Issue 5-8, pp 1171-1179,* 2015.

**(5)** **Jaber E. Abu Qudeiri,** Fayiz Abu Khadra, Usama Umer and Hussein M Hussein. Response Surface Metamodel to Predict Springback in Sheet Metal Air Bending Process, *International Journal of Materials, Mechanics and Manufacturing, Volume 3 Number 4 2015.*

**(6)** **Jaber E. Abu Qudeiri**, Optimization and Program Generation of a Tool Path for Multi-Cutting Tool Operations in CNC Machines, *International Journal of Emerging Technology and Advanced Engineering*, Volume 4, Special Issue 5, pp. 15-23, 2014.

**(7)** Fathiyyah Iberahim, Rizauddin Ramli, Khashayar Danesh Narooei, **Jaber Abu Qudeiri**, Tool Path Optimization for Drilling Process by CNC Milling Machine Using Ant Colony Optimization (ACO), *Australian Journal of Basic and Applied Sciences*, 8(19) pp 106-110, November 2014

**(8)** HMA Hussein, F Wang, **J Abu Qudeiri,** Development of a method to recognize punch shapes for progressive dies, *Journal of Engineering Manufacture*, published online June 9, 2014.

**(9)** Khashayar Danesh Narooei, Rizauddin Ramli, Mohd Nizam Abd Rahman,Fathiyyah Iberahim and **Jaber Abu Qudeiri**, Tool Routing Path Optimization for Multi-Hole Drilling Based on Ant Colony Optimization, *World Applied Sciences Journal*, 32 (9): 1894-1898, 2014

**(10)** H.M.A. Hussein, **J. Abu Qudeiri**, U. Umer and R.K. Abdel-Magied, If-Then Rules for Selection the Die-Set for Sheet Metal Punching and Blanking Dies, *Advanced Materials Research,* Vol. 980, pp 208-213, 2014.

**(11)** Fayiz Y. Abu Khadra, **Jaber E. Abu Qudiri**, Hussein M Hussein. Prediction the Springback in Air-Bending Process Using Neural Network Metamodel, *Applied Mechanics and Materials*, Vol. 619, pp 3-7, 2014.

**(12)** R. K. Abdel-Magied, H. M. A. Hussein, **J. Abu Qudeiri** and U. Umer, Computer Aided Design of the Die-Set for Sheet Metal Punching and Blanking Dies, Applied Mechanics and Materials Vol. 619, pp 78-82, 2014.

**(13)** Usama Umer, **Jaber Abu Qudeiri**, Hussein Abdalmoneam Mohammed Hussein, Awais Ahmed Khan, Abdul Rahman Al-ahmari, Multi-objective optimization of oblique turning operations using finite element model and genetic algorithm, *The International Journal of Advanced Manufacturing Technology*, published online December 2013

**(14)** **Jaber Abu Qudeiri**, Fayiz Abu Khadra, Abdulrahman Al-Ahmari, Usama Umar, Effect of Material and Geometrical Parameters on the Springback of Metallic Sheets, *Life Sci J,*

10(2):1531-1536, 2013.

**(15)** Fayiz Y. Abu Khadra, **Jaber E. Abu Qudeiri**. Development an Integrated Framework for Springback Prediction in Bending**,** *Life Sci J* 10(2):1654-1659, 2013.

**(16)** Fayiz Y. Abu Khadra; **Jaber E. Abu Qudeiri**, Comparison between neural network and response surface metamodels based on D-optimal designs, *International Journal of Computational Materials Science and Surface Engineering* (*IJCMSSE),* Vol. 5, No. 2, 2013.

**(17)** Khalid R. Al-Momani, **Jaber E. Abu Qudeiri.** Modelling of parallel production system with rework paths and its GA based simulator for optimal design, *International Journal of Manufacturing Technology and Management,* Vol. 23, No.1/2 pp. 69 – 81, 2011.

**(19)** Yamamoto Hidehiko, **Abu Qudeiri Jaber**. A Concurrent Engineering System to Integrate Production Simulation and CAD System for FTL Layout Design, *Int. J. of Product Development.* Vol. 10, No.1/2/3 PP. 101 – 122, 2010.

**(20) Jaber Abu Qudeiri,** Hidehiko Yamamoto, Rizauddin Ramli**.** Buffer size decision for Flexible Transfer Line with Rework Paths using Genetic Algorithm, *International Journal of Intelligent Systems Technologies and Applications.* Vol. 7, No.2 pp. 227 – 240, 2009.

**(21)** Rizauddin Ramli, Hidehiko Yamamoto, **Jaber Abu Qudeiri.** Hypothetical reasoning approach for Automated Guided Vehicle action decision in Autonomous Decentralised Flexible Manufacturing Systems**,** *International Journal of Intelligent Systems Technologies and Applications.* Vol. 7, No.2 pp. 171 – 187, 2009.

**(22) Jaber Abu Qudeiri**, Hidehiko Yamamoto and Rizauddin Ramli, FTL with feed-forward optimal design by discrete event production simulator with GA. *International Journal of Adaptive Infrastructures (IJAIS).* Vol. 1, No.1, pp. 60-76, 2009**.**

**(23)** Rizauddin Ramli, **Jaber Abu Qudeiri**, and Hidehiko Yamamoto, Tool Path of Lathe Machine in Flexible Transfer Line by Using Genetic Algorithm, *International Journal of Production Economics,* Elsevier. Elsevier. Volume 121, No. 1, PP.: 72-80, 2009.

**(24)** Rizauddin Ramli**,** Hidehiko Yamamoto, Abu Bakar Sulong, Dzuraidah Abdul Wahab and **Jaber Abu Qudeiri,** Real-time AGV Action Decision in AD-FMS by Hypothetical Reasoning*, European Journal of Scientific Research* Vol 25 Issue 2. Vol.25 No.2, PP.310 324, 2009.

**(25)** Khalid R. Al-Momani and **Jaber E.Abu Qudeiri,** "Definition of Flexible Transfer Line with Rework Paths and Its Simulator for Optimal Production Design". *IJCSNS International Journal of Computer Science and Network Security.* VOL.9 No.1, PP.: 331-338, January 2009.

**(26)** Hidehiko Yamamoto, **Jaber E. Abu Qudeiri** and Mohamed Jamali, Concurrent Production Engineering System for Buffer Size Decision and FTL Layout Design, *Journal of System Science and System Engineering*, Springer, Volume 17, Number 2, pp. 187-203, June 2008.

**(27)** Yamamoto, H., **Abu Qudeiri, J.** and Marui, E., "Definition of FTL with bypass lines and its simulator for buffer size decision", *International Journal of Production Economics,* Elsevier, Volume 118, No. 1, PP.: 18-25, 2008.

**(28) Abu Qudeiri Jaber**, Yamamoto Hidehiko, Rizauddin Ramli and Mohammed Jamali. Genetic Algorithms for Buffer Size and Work Stations Capacity in Serial-Parallel Production Lines. *Artificial Life and Robotics (International Journal),* Springer, Vol. 12, No. 1-2, PP. 102-106, 2008**.**

**(29) Abu Qudeiri Jaber**, Yamamoto Hidehiko and Rizauddin Ramli. Machine Learning in Production Systems Design Using Genetic Algorithms. *International Journal of Computational Intelligence*, ISSN 1304-2386, Volume 4, No. 1, PP.: 72-79, 2008

**(30)** H. Yamamoto, **J. Abu Qudeiri**, T. Yamada and R. Rizauddin. Production layout design system by GA with one by one encoding method. *Artificial Life and Robotics (International Journal),* Springer, Volume 13, Number 1, PP.: 234-237, 2008.

**(31) Jaber Abu Qudeiri**, Hidehiko Yamamoto and Rizauddin Bin Ramli, Model of Flexible Production Systems with Sub-Lines and Their GA Expressions. *International Journal of Computer Science and Network Security,* Vol.7, No.4, PP.:223-231, 2007.

**(32) Jaber Abu Qudeiri**, Hidehiko Yamamoto and Rizauddin Ramli, Optimization of Operations Sequence in CNC Machine Tools Using Genetic Algorithms. *Journal of Advanced Mechanical Design, Systems, and Manufacturing*, Volume 1, No. 2, PP.: 272-282, 2007.

**(33) Jaber Abu Qudeiri** and Hidehiko Yamamoto, Optimization of FTL Layout Design Through Asymmetrical and Restricted Plant Using GA, *Journal of solid mechanics and material Engineering*, Vol. 1. No. 1 PP.: 81-92, 2007.

**(34)** Rizauddin Ramli, Hidehiko Yamamoto and **Jaber Abu Qudeiri**, Real Time Part Input Control of a Pull Production System by Finding IF-THEN Rules, *Journal of Advanced Mechanical Design, Systems, and Manufacturing*, (Special Issue on Advance Production Scheduling) ,Volume 1, No.2, PP. : 227-237, 2007.

**(35)** Rizauddin Bin Ramli, **Jaber Abu Qudeiri** and Hidehiko Yamamoto, Anticipating Action Decisions of Automated Guided Vehicle in an Autonomous Decentralized Flexible Manufacturing System, International Journal of Mechanical, Industrial Science and Engineering, ,Volume 1, Number 9, PP.: 426 -234, 2007.

**(36) Jaber ABU QUDEIRI**, Hidehiko YAMAMOTO, Rizauddin RAMLI and Khalid R. Al-MOMANI. Development of Production Simulator for Buffer Size Decisions in Complex Production Systems Using Genetic Algorithm**.** *Journal of Advanced Mechanical Design, Systems, and Manufacturing*, Vol. 1, No. 3, PP.:418-429, 2007.

## International Conference Proceedings

**(37) Jaber Abu Qudeiri**, Muneer Khan Mohammed, Syed Hammad Mian and Fayiz Abu Khadra, A Multistage Approach for Buffer Size Decision in Serial Production Line, *5th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Colmar, Alsace, France, 21-23 July 2015.*

**(38)** Fayiz Abu khadra, **Jaber E. Abu Qudeiri**, Usama Umer, Hybrid Integrated System for Air Bending Optimal Design, *International Conference on Science, Technology, Engineering and Management 2015; 06/2015*

**(39)** H.M.A. Hussein, R.K. Abdel-Magied, **J. Abu Qudeiri**, U. Umer, Parametric Design of the Large Structure Stamping Die Lower Spacer. *Industry Academia Collaboration Conference, Technology for Development*, IAC2015, Cairo, Egypt; 04/2015.

**(40) Jaber Abu Qudeiri,** Usama Umer, Fayiz Abu Khadra and Hussein Hussein, Optimization and Prediction Approaches for Flexible Routing in Dynamic Environment FMS**,** *Advances in Materials & Processing Technology Conference.* Atlantis The Palm, Dubai, United Arab Emirate Nov. 17-20, 2014.

**(41) Jaber E. Abu Qudeiri,** Fayiz Abu Khadra, Usama Umer and Hussein M Hussein. Response Surface Metamodel to Predict Springback in Sheet Metal Air Bending Process, *7th International Conference on Advanced Computer Theory and Engineering (ICACTE 2014)*, August 8-10, 2014, Singapore. (Best Paper Awared).

**(42)** H.M.A. Hussein, **J. Abu Qudeiri**, U. Umer and R.K. Abdel-Magied, If-Then Rules for Selection the Die-Set for Sheet Metal Punching and Blanking Dies, *Proceeding International Conference on Manufacturing Science and Technology (ICMST 2014)*, pp 53-58, 2014, Curtin University, Sarawak Malaysia

**(43)** Fayiz Y. Abu Khadra**, Jaber E. Abu Qudiri,** Hussein M Hussein**. Prediction the Springback in Air-Bending Process Using Neural Network Metamodel,** *6th International Conference on Mechanical and Electrical Technology (ICMET 2014),* 17-18 July 2014, Bangkok.

**(44) Jaber Abu qudeiri**, Optimization of a Sequence for Multi-Cutting Tool Operations in CNC Machines. *Proceedings of International Research Conference on Engineering, Science and Management 2014 (IRCESM 2014)*, pp. 17-22, 4th & 5th June 2014, Dubai, UAE.

**(45) Qudeiri, J.E.A**. , Khadra, F.Y.A., Al-Ahmari, A. GA Support System to Optimize the Sequence of Multi-Level and Multi-Tool Operations in CNC Machines. *Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD)*, 2013 14th ACIS International Conference . pp. 231-236, 1-3 July 2013, Honolulu, Hawaii, U.S.A.

**(46) J. Abu Qudeiri**, Khalid Momani, Fayiz Abu khadra, Osama Ghazal, Anouar Jamali and Rizauddin Ramli, Modeling of Complex production Systems and its simulator for Optimal Design. Internatio*nal Conference on Industrial Engineering and Systems Management*, Montreal, Canada, may13 – 15, 2009.

**(47)** Rizauddin Ramli, Hidehiko Yamamoto, **Jaber Abu Qudeiri**, Analogy Process in Real-time Control of Parts Input for Flexible Production System. *International Conference on Industrial Engineering and Systems Management*, Montreal, Canada, may13 – 15, 2009.

**(48) J. Abu Qudeiri**, H. Yamamoto and R. Rizauddin, Production Layout Design System by GA with One by One Encoding Method. *Proceeding of the thirteen International Symposium on Artificial Life and Robotics 2008 (AROB 13th '08)*, B-Con Plaza, Beppu, Oita, JAPAN, PP. 316 – 319, January 31 – February 2, 2008.

**(49) Jaber Abu Qudeiri**, Hidehiko Yamamoto and Mohamed Jamali, Development of New Production Simulator for Complex Production Systems Design, *Proceedings of the 37th International Conference On Computers and Industrial Engineering*, PP.: 2433 – 2443, Alexandria – Egypt, October 2007.

**(50) Jaber Abu Qudeiri**, Rizauddin Ramli and Hidehiko Yamamoto, FTL Layout Design Optimization in an Asymmetrical and Restricted Plant Using Q-learning, *International Conference of Industrial Engineering and System Management (IESM 07)*, Beijing, China, May 30 - June 2, 2007.

**(51) Jaber Abu Qudeiri**, Rizauddin Ramli and Hidehiko Yamamoto, Deciding Buffer Size in a Complex Production System Using a GA - Production Simulation Based Method, *International Conference of Industrial Engineering and System Management (IESM 07)*, Beijing, China, May 30 - June 2, 2007.

**(52)** Rizauddin Ramli, **Jaber Abu Qudeiri**, and Hidehiko Yamamoto, Future Anticipative Reasoning of Automated Guided Vehicle Decisions in Autonomous Decentralized Flexible Manufacturing System, *International Conference of Industrial Engineering and System Management (IESM 07)*, Beijing, China, May 30 - June 2, 2007.

**(53)** Rizauddin Ramli, **Jaber Abu Qudeiri**, and Hidehiko Yamamoto, Tool Path of Lathe Machine in Flexible Transfer Line by Using Genetic Algorithm, *International Conference of Industrial Engineering and System Management (IESM 07)*, Beijing, China, May 30 - June 2, 2007.

**(54) Abu Qudeiri Jaber,** Rizauddin Ramli and Hidehiko Yamamoto, Selecting Machines and Buffer Size in Complex Production System Using Genetic Algorithms. *Proceeding of the 5th International Symposium on Management of Technology (ISMOT'07)*, PP. 1134 – 1138, Hangzhou, China, June 1-3, 2007.

**(55)** Rizauddin Ramli, **Jaber Abu Qudeiri,** and Hidehiko Yamamoto, Planning Framework for Autonomous Decentralized Flexible Manufacturing System, *Proceeding of the 5th International Symposium on Management of Technology (ISMOT'07)*, PP. 381 – 385, Hangzhou, China, June 1-3, 2007.

**(56) Abu Qudeiri Jaber**, Rizauddin Ramli and Yamamoto Hidehiko, Genetic Algorithms for Buffer Size and Work Stations Capacity in Serial-Parallel Production Lines. *Proceeding of the twelve International Symposium on Artificial Life and Robotics (AROB 12th '07), PP.* 513 - 516 B-Con Plaza, ,.

**(57) Jaber E. Abu Qudeiri**, Hidehiko Yamamoto and Mohamed Anouar Jamali, Buffer Size Decision for Balanced and Unbalanced Flexible Transfer Line With Rework Paths, *8th International Conference on Progress of Machining Technology (ICPMT2006)*, PP.: 77 – 80, Matsue, Shimane, Japan, November 9-11, 2006.

**(58) Jaber E. Abu Qudeiri**, Mohamed Anouar Jamali and HidehikoYamamoto, Buffer Size Decision for the Flexible Transfer Line with Rework Paths Using Genetic Algorithms, *International Conference on Service systems and Service Management (ICSSSM06)*, pp.210 - 215, Troyes - France, Oct. 2006.

**(59) Jaber E. Abu Qudeiri**, Mohamed Anouar Jamali and Hidehiko Yamamoto, Concurrent Production Engineering System for Buffer Size Decision and FTL Layout Design, *International Conference on Service systems and Service Management (ICSSSM06)*, PP.:197 - 202, Troyes – France, Oct. 2006.

**(60) Jaber E. Abu Qudeiri**, Al-Momani Raid, Mohamed Anouar Jamali and Hidehiko Yamamoto, Optimization Hole-Cutting Operations Sequence in CNC Machine Tools Using GA, *International Conference on Service systems and Service Management (ICSSSM06),* PP.:501 – 506, Troyes – France, Oct. 2006.

**(61)** Momani, A., **Abu Qudeiri, J.** and Yamamoto, H., Development of New Encoding Method for the Complex Production Systems, *International Symposium on Scheduling (ISS2006)*, Tokyo, Japan, JSME No. 06-203: 94-99,

**(62)** Yamamoto, H., **Abu Qudeiri J.** and Marui, E., "Definition of FTL with bypass lines and its simulator for buffer size decision", *International Conference on Industrial Engineering and Systems Management (IESM'05)*, Marrakech, Morocco, MAY 16 – 19, 2005.

**(63)** HidehikoYamamoto, **Jaber Abu Qudeiri** and Etsuo Marui. Production Line Design Support system to Decide Buffer size for FTL with Bypass Lines, *proceeding of ICAM 2004*, PP.: 511-516, Japan, 2004.

**(64)** Yamamoto, H., Marui, E. and **Abu Qudeiri, J.** "Development of New FTL Simulator for Buffer Size Decision", *IEEE International Symposium on Computational CIRA03*".

### Books, Book's Chapter and Technical Reports

**(65) Abu Qudeiri J.**, Jamali M., Yamamoto H., "Concurrent Production Engineering System by Discrete Simulation and CAD", *Technical Committee on Concurrent Systems Technology Conference (CSS),* IEICE Technical Report, Vol. 106, No. 88, CST2006-3, PP.:13-18, June 1, 2006.

**(66)** Hidehiko Yamamoto, **Jaber Abu Qudeiri** and M. A. Jamali, Book chapter: Real-Time Control of Decentralized Autonomous Flexible Manufacturing Systems by Using Memory and Oblivion. *KES (1), Lecture Notes in Computer Science,* Vol. 4251, PP.: 252-259, ISBN-978-3-540-46535-5, Springer, 2006.

## LECTURES

1. Training course on "Matlab" in Faculty of Engineering, King Saud University organized by Advanced Manufacturing Institute, Riyadh, Saudi Arabia, 2014.
2. Participated a lecture as supervisor assistant on "Think Design" in Faculty of Engineering, Gifu University organized by Mechanical and System Engineering Department, Gifu, Japan, October 2002- March, 2003.
3. Taught a lecture on "CNC Machine Tool Programming and Operating" in the Specialized Training Institute sponsored by Japan International Cooperation Agency (JICA) and organized by Vocational Training Corporation, Amman, Jordan 3th -28th March, 2002.
4. Taught a training course on "Computer Aided Design (AutoCAD)" in the Specialized Training Institute organized by Vocational Training Corporation, Amman,

Jordan 14th May-13th June, 2000.

5. Taught many lectures on "Automatic Control Systems and Computer Aided Design" in the Applied Science University organized by Mechanical and Industrial Engineering department, Amman, Jordan, September 1994 -March, 1999.

## TRAINING PROGRAMS ATTENDED

- Participated in a Technical Training Course in the field of CNC Machine Tools organized by the Japan International Cooperation Agency (JICA) held at Polytechnic Center Chiba, Tokyo, Japan, from May 30th 2000 to September 28th 2000.
- Two weeks professional training on Leveling, Feed system, ATC and Electrical circuit of Machining center and Leveling, Turret and Electrical circuit of Lathe machine as certificate Mori Seiki senior Technician, Mori Seiki Factory, Nara, Japan. September 2000.
- Participated in a technical training course for operating and programming and maintenance of NC Electrical Discharge Machine, held at Makino Milling Machine Co., LTD., Tokyo Japan. September 2000.
- Attended the upgrading training course in EDM Programming and Operating organized by Japan International Cooperation Agency (JICA) and held at Specialized Training Institute for Metal Industries, Amman, Jordan, 11th -15th February, 2001.
- Attended a course entitled Computer Aided Design and Manufacturing organized by Jordan Engineers Association and held at University of Jordan, Amman, Jordan, 9th -27th March, 1996.
- Joined a training course in Electrical Control in Hydraulic Systems organized by Vocational Training Corporation and held at Yajooz Trade Training centre, Amman, Jordan, 6th -18th February, 1993.

## LANGUAGES

- Arabic Native.
- English Very good command of English Language
- Japanese Good command of Japanese Language

## ORGANAIZATION AND AFFILIATES

- Japan Society of Mechanical Engineers (JSME)
- Jordan Engineers Association (JEA)
- International Institute for Innovation, Industrial Engineering and Entrepreneurship (I4e2)

## CULTURAL AND ACADEMIC ACTIVITES

- Member of the organizing committee of the Seventh Jordanian International Mechanical Engineering Conference (JIMEC'7). Chair of Modeling and Simulation track of the conference, Amman-Jordan, September 2009.
- Referee of the Europe Journal of operational research, (2006 - 2007)
- Referee of the Int. J. of Product Development, 2007.
- Referee of many other journals (2007 – Present)
- A Member of the Scientific Committee of Mechanical Engineering Division, (1994 - 2000).
- Member of the organizing committee of the second and third Jordanian International Conference for Mechanical Engineering.
- Editor Vice-President of Mechanical Engineering Magazine (Mechanical Review) at Jordan Engineers Association for 3 years 1995 -1997.
- Member of the Technical Program Committee of the International Conference on Science, Technology, Engineering and Management 2014 (ICSTEM 2014)
- Member of the Technical Program Committee of the International Conference on Applied Science, Management and Technology 2014 (ICASMT 2014)
- Member of the Technical Program Committee of the International Conference on Science, Technology, Engineering and Management 2014 (ICSTEM 2015)

**Further details are available upon request.**
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