

Dr. Hesham A. Al-Momani, Brigadier General (Ret)

Chair, Industrial Engineering Department
Assistant Professor, Air Force Brigadier General (Ret)
Faculty of Engineering, The Hashemite University

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: Moma3175@yahoo.com

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ORCID ID <https://orcid.org/0000-0002-6925-555X>

<https://www.facebook.com/hesham.almomani.31>

<https://www.facebook.com/DrHeshamAlMomani/>

Cell:(962)799773227

EDUCATION

- Binghamton University, The State University of New York– N.Y., U.S.A. 2015** **2015**
Doctor of Philosophy in Systems Science and Industrial Engineering, G.P.A. (3.7/4.00)
- Central Michigan University, Mount Pleasant, MI, U.S.A. 2007**
Master of Science in Administration, (Acquisition Admin), G.P.A. (3.82/4.00)
- Embry Riddle Aeronautical University, Daytona Beach –F.L., U.S.A.,** **2006**
Master of Aeronautical Science, (Human Factors in Aviation), G.P.A. (4.00/4.00)
- Jordan University Of Science & Technology(JUST)** **1988**
BSc, Mechanical Engineering (Dual Concentrations: Aeronautical and Thermal Power Engineering)
- Joint Services Command and Staff College (JSCSC) Diploma / Shrivenham, U.K. 1999**
Intermediate Command and Staff Course -(ICSC) (Shrivenham, Royal Air Force / United Kingdom)
- Command and Staff School Diploma** **1998**
Leader Ship and Intermediate Command and Staff Course (Royal Air Force)

COURSES TAUGHT AT HASHMITE UNIVERSITY (Graduate and Undergraduate Courses)

A. Graduate Maintenance Management Master Degree Program

1. Introduction To maintenance.
2. Reliability and Maintainability for Engineers.
3. Mechanical/Electrical Condition Monitoring.
4. Environment, Health, and Safety.
5. Design of Experiment

B. Graduate Master of Engineering Management Master Degree Program at Mutah University

6. Research Methodology for Engineers.

C. Graduate Risk, Crises and Disaster Master Degree Program

7. Strategic Crises and Disaster Management.
8. Risk Management in Crises and Disaster.
9. Research Methodology Methods And Techniques In Crises And Disaster Management
10. Program and Project Management
11. National Risk, Crises and Disaster Management
12. Special Topics in Crises and Disaster Management (Risk Management)
13. Strategic Decision Making

D. Undergraduate courses

14. Human Factors Engineering and Design
15. Management and Control of Quality (Statistical Quality Control)
16. Occupational Safety for Engineers
17. Total Quality Management
18. Probability and Statistics
19. Advanced Statistics for Engineers
20. Project Management for Engineers
21. Special Topics for Industrial Engineers (Supply Chain Management)
22. Special Topics for Industrial Engineers (Industrial & Systems Engineering in Healthcare)
23. Special Topics for Industrial Engineers (Six Sigma)
24. Special Topics for Industrial Engineers (Risk Management for Engineers)
25. Engineering Labs
26. Engineering Workshops

** (Accreditation Board for Engineering and Technology) ABET accreditation program supervisor at the Industrial Engineering Department.

** Crises and Disaster Management Master Degree Program Coordinator.

GRADUATE COURSEWORK

Courses are taken and for which have the expertise to teach

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| <p>Industrial Engineering Advanced Integrated Manufacturing Production Concepts Applied Experimental Design (D.O.E.) Applied Multivariate Data Analysis Supply Chain Management</p> | <p>Human Factors /Ergonomics Advanced Human Factors Engineering And Design Human Factors in the Aviation/Aerospace Industry Aviation/Aerospace Psychology Memory and Cognition</p> | <p>Quality Management Management and Control of Quality Statistical QualityControl Quality Assurance for Engineers Six Sigma Courses (B.B.)</p> |
| <p>Business/Admin, Management Integrative Analysis of Admn Managerial Accounting Concepts Purchasing Strategy Financial Management Marketing Administration ProgramAnalysis and</p> | <p>Aviation Industry Air Transportation Systems Aircraft and Spacecraft Development Aircraft Maintenance Management Administrative Research and Reporting Methods</p> | <p>Systems Engineering Applied Soft Computing Fuzzy Logic and Fuzzy Systems Systems Problem Solving Quantitative Applications in Admin and Decision Making</p> |

CERTIFICATIONS & TECHNICAL SKILLS

| | |
|---|-------------|
| Federal Aviation Administration license (F.A.A.) (Mechanic Airframe and Power | 2006 |
| Civil Aviation Authority License (C.A.A.) (Mechanic Airframe and Power Plant)/Jordan | 2010 |
| Black Belt Six Sigma Certificate -General Electric, Cincinnati /U.S.A | 2006 |
| Green Belt Six Sigma Certificate -General Electric, Cincinnati /U.S.A | 2005 |
| Aircraft Maintenance Officer Certificate (Royal Air Force) | 1993 |
| Electrical and Instrument Depot Level Course (Republic Of Taiwan). | 1993 |
| Armament/ Munitions systems Specialist (SATP) course (Sheppard Air force Base)/U.S.A. | 1999 |
| Project Management Professional Certificate, The Hashemite University | 2010 |
| Management Information System (SAMIS) Course, Wright Patterson A.F.B. (U.S.A.) | 2006 |
| LRQA Total QualityManagement Course (LLOYD'S Register Quality Assurance Com, | 1994 |
| Quality control Course for Officers, (Royal Jordanian Air Force) | 1989 |
| Defense Institution for Security Assistance Management (DISAM), WPAFB, (USA) | 2005 |

HIGHLIGHTS OF QUALIFICATION, SKILLS & INTERESTS

Highly skilled, Senior Engineering Manager, with proven success in leading a cross-functional matrix organization, look forward to transferring my extensive broad Experience (29 years) in both **Industrial & Systems Eng**, Aviation Systems, Quality Mgt, Six Sigma, Human Factors, Supply Chain & Logistic Mgt, Professional Program & Project Mgt, to interested aviation organizations ensuring that they have the skill needed to be competitive to obtain a position in a challenging job market. I am dedicated, motivated with strong leadership skills, able to work on multiple, simultaneous assignments, achieve program goals, demonstrated expertise in large scale programs areas, including:

1. Graduate Studies Instructor and Coordinator (Crises and Disaster Management Master Degree Program and Maintenance Management Master Degree Program)
2. Graduate Studies Instructor and Coordinator (Maintenance Management)
3. Industrial Engineering (Education, Operations, Quality, Manufacturing, and Production, Assembly Lines. Etc.)
4. System Engineering (Strong Analytically Skills, Statistical Analysis, Artificial Intelligence, And Soft Computing).
5. Management of undergraduate educational institutes (Assistant Deanship And mechanical Department Chair at Al- Balqa' Applied University.
6. Human Factors & Ergonomics Engineering.
7. Quality management, control, and assurance expert (Highest education, trainer, practitioner, and long expertise).
8. Black and Green Belt Certification in Six Sigma from the first leading aviation engines company (General Electric)
9. Management and business Science, professional project and program management, business development, acquisition administration, supply chain management, purchasing, marketing, contractor global program administration, managerial, financial cost analysis.
10. Aviation Systems expert, aircraft assembly, maintenance management, engineering analysis in aviation Systems, and aircraft armament systems. Universal Aviation licenses (American (F.A.A.) Federal aviation administration (U.S.A.) Furthermore, European / EISA Approved/ (C.A.A.) Civil aviation Administration (Jordan). I have led high tech projects where I assembled Hughes MD500 A/C first time in Jordan with no prior experience
11. The U.S.A. Security Assistance and Foreign Military Sales Program Expert.
12. Trainer for many Industrial engineering and aeronautical engineering specialized courses.

ACADEMIC AND ENGINEERING PROJECTS
ACADEMIC AND ENGINEERING PROJECTS

1. P.H.D. Dissertation: A Psychophysical Approach for Predicting Isometric and Isotonic Hand Muscle Strength in the Aviation Industry, the *State University of New York at Binghamton*, U.S.A., 2015.
2. Master Degree Thesis: Assessing The Impact And Effectiveness Of Country Sales Security Assistance Program (Central Michigan University, U.S.A.), Hesham AL-Momani, Master of Science in Administration, *Central Michigan University, U.S.A., 2006*.
3. Master Degree Thesis: Assessing The Impact Of Supplied Defected Aircraft Spare Parts On Country (Royal Jordanian Air Force) Sales Security Assistance Program, Degree of Master of Aeronautical Science *Embry-Riddle Aeronautical University, USA. 2007*.
4. Book: Contemporary Issues in Crisis Management, Dar Wael For Publishing, 2020.
5. Chapter: A Quality Management and Excellence Philosophy from an Islamic Standpoint), Techniques, Tools, and Methodologies Applied to Quality Assurance in Manufacturing. ,SBN 978-3-030-69313-8
6. Chapter: Role of Intelligent Technology in Crises Management: Systematic Literature Review the Case of Corona Virus Maha Alkhaffaf and Hesham Almomani, Book: The Effect of Coronavirus Disease (COVID-19) on Business Intelligence, M.T. Alshurideh Aboul Ella Hassanien, Ra'ed Masa'deh, DOI <https://doi.org/10.1007/978-3-030-67151-8>.
7. A. ALMOMANI, Hesham et al. The analysis of hand maximum voluntary contraction and its associated factors among hemodialysis-dependent chronic kidney disease patient in Jordan. *Bali Medical Journal*, [S.l.], v. 9, n. 3, p. 823-829, dec. 2020. ISSN 2302-2914. Available at: <https://balimedicaljournal.org/index.php/bmj/article/view/1820>>. Date accessed: 21 April. 2021. doi:<http://dx.doi.org/10.15562/bmj.v9i3.1820>.
8. Review of Medical Waste Management In Jordanian Health Care Organizations, Hesham Al- Momani, Mazen Obaidat, Osama Muneizel, Nour M Afyouni, Sayel M Fayyad, *British Journal of Healthcare Management*, Taylor Francis, ISSN (print): 1358-0574, ISSN (online): 1759- 7382. <https://doi.org/10.12968/bjhc.2019.0041>, Published online 19 August 2019, Published in print 2 August 2019.
9. The Application Of Reliability Methods For Helicopter Aircraft Periodic Major Overhaul Inspection, Hesham a. Al-Momani, Osama Almeanazel, Morad Etier & Mutaz o.Faouri, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, Transstellar Journal Publications and Research Consultancy Private Limited (TJPRC), Trans Stellar, 823-836. ISSN (P): 2249-6890; ISSN (E): http://www.tjprc.org/view_paper.php?id=12898, Trans Stellar 2249-8001.

10. Psychophysical Approach for Predicting Maximum Voluntary Contraction in Jordanian Cancer Patients at King Hussein Cancer Foundation Centre. Almomani, H. A., Khazaleh, A., Bashir, A., Hamasha, M., & Mnaizel, M. A. O. *Annual World Conference of the Society for Industrial and Systems Engineering*, <http://ieworldconference.org/pages/SISE2018.html>.<https://www.researchgate.net/publication/336832237>October 11-12, 2018.
11. 8. The Efficiency of Using a tailored Inventory Management System in Military Aviation Industry, Hesham Al-Momani*, Osama T. Al Meanazel, Ehsan Kwaldehb, Abdallah Alaween, Atif Khasaleh, Ahmad Qamar, HELIYON, volume 6, Issue 7, July 202, Netherlands, Elsevier BV ISSN: 24058440, <https://www.sciencedirect.com/science/article/pii/S2405844020312688>
12. The extent of people's response to rumors and false news in light of the crisis of the Coronavirus, Hesham Al Momani, Wael Alqoran, *Annales Médico-Psychologiques, Elsevier Masson*, <https://www.journals.elsevier.com/Annales-medico-psychologiques> ISSN: 0003-4487.
13. Antecedents Factors Affecting Cyberbullying Risks: A Study In Jordanian Secondary School, Hesham Almomani, Diya Al-Jabali Fayez Bni Mufarrej, Heba Ahmad, *Humanities & Social Sciences Reviews, Gyandhara International Academic Publications (GIAPJournals)*,<https://giapjournals.com/hssr/issue/view/137>,<https://giapjournals.com/hssr/article/view/2861>, ISSN: 23956518.ISSN: 23956518
14. Implementation of Time-Driven Activity-Based Costing in University Campus Food Services, Hesham Al-Momani, Osama T. Al Meanazel, Abdullah Al-Alaween, Ahmad Qamar, *American Journal of Management, North American Business Press*, <http://www.na-businesspress.com/ajmopen.html>, (ISSN: 2165-7998).
15. Structural, thermal and electrical properties of ionic conductors (AgPO₃)_{1-x} (Ag₂SO₄)_x glass systems, Alkhazali, A., Etier, M., Aljarrah, M., Al-Momani, H., & Salman, F., *International Journal of Microstructure and Materials Properties*, <https://www.inderscience.com/jhome.php?jcode=ijmmp>, *Inderscience Enterprises Ltd. Vol. 14, No. 6, 2019, ISSN 17418410, 17418429.*
16. Maintenance of filters and gasses emission reduction devices Hesham Almomani, Mohammad Lafi Alburaiesi, *Journal of Environmental Treatment Techniques (JETT)*, <http://www.jett.dormaj.com/>, *Dorma Journals, United Arab Emirates, ISSN 2309-1185.*
17. Pulsatile Flow, Micro-Scale Erythrocyte-Platelet Interaction, Thakir AlMomani, Suleiman Bani Hani, Samer Awad, Mohammad Al-Abed, Hesham Almomani. *International Journal of*

Biomedical Engineering and Technology, Inderscience

Publishers, <https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijbet>, ISSN: 1752-6426.

18. The Important Criteria to Select the Optimum Maintenance Strategy in Jordanian Food Industry, Osama T. Al Meanazel, Ahmad Saad, Mazin H. Obaidat, Hesham A. Almomani, Ahmad M. Qamar *Proceedings of the International Conference on Industrial Engineering and Operations Management Dubai, U.A.E., March 10-12, 2020, IEOM Society International, March 10-12, 2020. <https://www.inderscience.com/jhome.php?jcode=ijise>. ISSN: 2169-8767.*
19. Factors Affecting Spine Loading in a Box Lifting Task: A Digital Human Modeling Study, Osama T. Al Meanazel, Abd Al-Rahman S. Al-Shudiefat², Hesham A. Almomani, and Faisal Aqlan. *International Journal of Industrial and Systems Engineering. <https://www.inderscience.com/info/ingeneral/forthcomin>, Inderscience Publishers, ISSN: 1748-5045.*
20. Fuzzy Logic Model for Selecting Optimum Maintenance Strategies: Case Study in the Jordanian Food Industry, Osama Al Meanazel¹, Ahmad Saad², Hesham H. Almomani, *Journal of Engineering Research, and Application www.ijera.com. ISSN: 2248-9622.*
21. Modeling energy consumption of the Jordanian transportation sector: the Application of multivariate linear regression and adaptive neuro-fuzzy, Techniques, Mazin Obaidat, Amr M. Obeidat, Ahmed Al-Ghandoor, Mohammad A., Gharaibeh & Hesham A. Almomani *International Journal of Sustainable Energy, Taylor and Francies, ISSN: Online 1478-6451, (Print) 1478-646X.*
22. Pad Cratering: Reliability of Assembly Level and Joint Level Mazin H. Obaidata, Osama T. Al Meanazela, Mohammad A. Gharaibehb, Hesham A. Almomania, *Jordan Journal of Mechanical and Industrial Engineering, Volume 10 Number 4, December.2016, Pages,000-000,1995- 6665.Energy, <https://www.tandfonline.com/loi/gsol20>. 1478-6451.*
23. Quadratic Magnetolectric Effect Of Barium Titanate-Cobalt Ferrite (0-3) Ceramic Composite, Morad etier, Hesham Almomani *Journal of Ceramic Processing Research*
24. Enhancements of Special Economic Zone Authority to Globalize its Companies Supply Chain c, Abdallah H. Alalawin, Ahmad M. Qamar, Hesham Almomani, Mohhanad Jreissat, *International Journal of supply chain management. Journal of The Institution of Engineers (India): Series Excelling Tech Publishers volume 9 issue 4, 2020. ISSN: 2050- 7399 (Online), 2051-3771 (Print).*
25. Optimization of Plant Layout in Jordan Light Vehicle Manufacturing Company, Ahmad M. Qamar, Osama T. Meanazel, Abdallah H. Alalawin & Hesham A. Almomani, *Journal of The*

Institution of Engineers (India): Series C, Springer India, 2020, ISSN: 22500545, 22500553.

26. Decision Support System for Disaster Management Proposed Conceptual Framework, *International Journal of Management and Applied Science (IJMAS)*, http://ijmas.iraj.in/volume.php?volume_id=644, II-SIMDUBAI-260120-17610, volume 6 issue 4.
27. Risk Management Framework for Prevent Cyber Crime in Jordan, Hesham Al Momani, Diya Al-Jabali, and Heba Ahmad, *International Journal of Trend in Research and Development, Volume 6(2)*, <http://www.ijtrd.com/>, 2394-9333.
28. Risks of Workplace Violence against Healthcare Providers in Jordan, Lara Younes Aldeabes, Baraa Mahmoud Alautyat, Dr. Hesham Al-Momani, *International Journal of Science and Research (IJSR)*, <https://www.ijsr.net/>, 2319-7064.

PROFESSIONAL EXPERIENCE

The Hashemite University, Department of Industrial Engineering, Jordan Assistant Professor
Jan 2016- Now

Responsible for performing duties of the Department of Industrial Engineering (Teaching and Research) for both (Graduate and Undergraduate Courses), worked as Crises and Disaster Management Master Degree Program Coordinator and Maintenance Management Master Degree Program Coordinator, also supervisor of the (Accreditation Board for Engineering and Technology) ABET accreditation program at industrial engineering Department. Taught above graduate and undergraduate courses:

Binghamton University, State University of New York (Watson School of Engineering)
Binghamton, NY

Teaching Assistant Aug 2014- Dec 2015

Responsible for performing teaching or teaching-related duties to assist faculty members, professors, department heads, and other faculty members. Proctors exams, grades tests and homework, and records grades in the grade book. Assigns material in class as needed.

Al-Balqa' Applied University (Prince Faisal Aeronautical Technical College), Amman, Jordan
Dean Assistant & Chairman of Aeronautical and Mechanical Engineering Department, Aug 2008-March 2010,

Assists KFAC commandment (Associate Dean) in department operations, Supervised and coordinates various department activities, developed and implements strategic planning specific to Aeronautical and mechanical engineering programs within the department, and Provided direction and assistance in the preparation of budget requests; monitors budgeting expenditures at all levels, demonstrated successful leadership in, education, and service, helped in recruiting, developing, and retaining outstanding faculty; developed the department's vision, and execute the department's strategic plan, and represented the department at university, college, and public activities.

Royal Jordanian Air Force, Jordan) Amman, Jordan
quality control Courses Teacher/Trainer, 1989-2013, Taught many quality control courses in RJAF airbases and later worked as a quality control officer and chief.

Directorate of Maintenance/Royal Jordanian Air Force Amman, Jordan
Chief of American military aircraft maintenance & Quality Control Division March 2010- Dec 2011
Directed all maintenance functions (repairs, modifications, alterations, overhaul, TCTOs, and testing. Etc) for Operated American military aircraft (systems and components) at R.A.F. Developed strategic and action plans, technical evaluation, training, periodic inspections and objectives for RJAF, prepared the annual budget, ensured compliance and adherence to the conditions and restrictions of instructions, provided technical direction for all subordinate staff (2000+) in 5 airbases. I also managed the quality control and assurance systems for all RJAF units and aircraft inspection activities.

United States Air Force, Air Force Security Assistance Centre (AFSAC) Wright-Patterson A.F.B. U.S.A.

SupplyChain, Logistics, and Maintenance (Manager) Foreign Liaison Officer (F.L.O.)

Oct.2004- Jan 2007

Served as a foreign military sales (F.M.S.) logistics management specialist directing, developing, implementing, or functioning as part of a logistics management operation for the Air Force Security Assistance Center (AFSAC) and Royal Air Force program value more than (500) Million US dollars, Also developed and executed international agreements with friendly forces to provide defense equipment and services, and finally assessed the impact and effectiveness of country sales security assistance program (Royal Air Force Supply Deficiency Report, Royal Jordanian Air Force) in master degree research.

King Hussein Air College, Royal Air Force Mafrag, Jordan Chief
of Aircraft Maintenance Wing March2008-Aug2010

Directed all maintenance functions (repairs, modifications, alterations, overhaul, TCTOs, and testing. Etc) for fixed wings aircraft (Spanish Casã 101 and British FireFly A/C) and Rotary helicopters (American Hughes MD 500 and French Ecureuil, managed in an airworthy condition (Quality control and assurance Systems, qualified staff, tools, teste equipment, materials within realistic turnaround times).

Directorate of Maintenance/Royal Air Force Amman, Jordan
Chief of Munitions and Armament Systems Division March2011-Aug 2014

Directed, managed developed strategy. Budget plans for all Munitions, armament systems, reconnaissance, and life support equipment's used on all RJAF military Aircraft (Fixed and rotary wings) (F16, F5, Cobra, Hughes, UAV.etc.) maintenance, safety, storage, life limits, testers, tooling, training, manuals updates, quality assurance, and control and purchasing activities for f I've major airbases with the workforce more than 1000 engineer and technicians.

Jet Engine Intermediate Maintenance Depot /Moufaq Salti Air Base Azraq, Jordan
Commander of the Jet Engine Intermediate Maintenance Depot Feb 2007-March 2008

As commander of Jet Engines Intermediate Maintenance (JEIM), which houses a full range of overhaul activities such as teardown, inspection, non-destructive testing, chemical, and mechanical cleaning, balancing, machining, welding, re-assembly, and final testing for the following types of Jet engines: J85-21, used on F-5 AC and T53 engines for the AH-1 Cobra and UH-1 Huey.

Directorate of Supply/ Royal Air Force Amman, Jordan
Supply chain Manager for Military aircraft Jan 1998- Nov2004

Acted as program manager And performed purchasing and subcontracting duties in support of new and Existing military customers, preparation of R.F.P.'s, analysis and evaluation of proposals,

Negotiation of subcontract provisions, selection or recommendations of subcontractors, facilitating cost competitiveness of current supply base, and administering resulting contracts. Strong organizational and negotiation skills.

Aircraft Component Maintenance Depot / Royal Air Force

Aircraft Components Depot Maintenance Chief

Safawi, Jordan

Aug. 1990-Dec 1995

Worked as a program manager at (ACMD), facilitated possess extensive Experience in servicing a wide range of military and civil fixed-wing and rotary aircraft that include depot-level maintenance, major repairs, and testing of over 2000 types of electromechanical pneumatic and hydraulic components Beside managed ACMD Certifying process to get recognition and approval of the Jordan's Civil Aviation as Authorities as a credited aviation repair

LEADERSHIP EXPERIENCE

I have more than 26 years practicing leadership (Commander, Chiefs, Deanship assistant, and director positions), managing organizations from (50 -1000) engineers, technicians, management persons, and students. My professional experience positions (included technical, Engineering, Management, Military, Organizational, Communication, higher education, Project Management, Conflict Resolution, and Financial and Budgeting. Planning, Time management, Motivating others, Public speaking, and Delegation in following positions (starting from all levels, Chief of Munitions and Armament Systems Division, Chief of F-5 Military aircraft maintenance & Quality Control Division, Commander of the Jet Engine Intermediate Maintenance Depot, Dean Assistant & Chairman of Mechanical Engineering, Chief of Aircraft Maintenance Wing, Teaching Assistant Binghamton University NY /USA, and Quality Control Courses Trainer, Maintenance complex Chief,(Engine Shop, Electrical and Instrument Shop, Maintenance Second Line Maintenance (Hanger Quality Control Officer, Maintenance Control Officer,), Modification Shop, Non-Destructive Equipment Shop) Officer. Armament branch chief, Depot Maintenance Officer for (Electrical Shop, Instrument Shop), (Quality Control Officer, Engine Shop, A/c Maintenance Officer, Training Officer), Logistic and Maintenance Foreign Liaison Officer (F.L.O.) the United States Air Force, Air Force Security Assistance Centre (AFSAC) Wright Patterson A.F.B. U.S.A., Program Manager, and Staff-1 F-5, F-16, Supply Officer/Jet Engine Depot Supply (Purchasing), Petroleum Oil, lubricant (P.O.L) Supply /Company Qualification t Officer Directorate of Supply. Management education helped me in my leadership positions like a master's degree in Management Science from CMU/USA, local and international Education (Joint Services Command and Staff College (JSCSC) Diploma from U.K., Command, and Staff School Diploma.

COMPUTER SOFTWARE SKILLS (ENGINEERING PROGRAMS)

- Statistical Applications: MINITAB, S.A.S., SPSS
- MATLAB. General Applications:
- Microsoft office (Advanced).
- Engineering Applications: Microsoft Visio, Microsoft Project.

PROFESSIONAL MEMBERSHIP

- Alpha Pi Mu Industrial Engineering Honor Society: 2007 – Present. Jordan Engineers Association (J.E.A.): June 1988 – Present.
- Project management Institute: Oct 2010 – Present.
- American Production and Inventory Control Society (APICS): Oct 2014 – Present.
- APICS (Premier professional association for supply chain and operations management) 2014-Present.

REFERENCES

| | | |
|---|--|--|
| <p>Prof. Krishnaswami "Hari" Srihari University Distinguished Professor and Dean The State University of New York at Binghamton Binghamton, New York 13902 Office: ES 1407 Phone:(607) 777-2871 Fax:(607)777-4822 Email: srihari@binghamton.edu</p> | <p>Prof. Mohammad. Khasawneh Professor, Chair Systems Science and Industrial Engineering Director, Healthcare Systems Engineering Center Industrial and Systems Engineering mkhasaw1@binghamton.edu (607) 2061099</p> | <p>Prof. Nagen Nagaur Professor and Department Chair Assistant Director for Supply Chain Management, Logistics, and Manufacturing The State University of New York at Binghamton Phone:(607)777-3027 Fax:(607)777-4094 Email: nnagarur@binghamton.edu</p> |
| <p>Prof Harold Lewis Professor and Systems Science Department Chair The State University of New York at Binghamton Binghamton, New York 13902 Phone:(607)777-4482 Fax:(607)777-4094 Email: hlewis@binghamton. edu</p> | <p>HE. Atef Al Tal Chairman Director of King Abdullah Design and Development Bureau (KADDB)/Jordan Minister of Information and Communication Technology Email:atef@rjaf.mil.jo, aclog@rjaf.mil.jo, info@ka ddb.mil.jo</p> | <p>Dr. Qusai Z. Al-Hamdan Perth College, University of Highlands and Islands Aircraft Engineering Department, Room 102, Brahan Building, Perth College UHI, Crieff Road, Perth, PH1 2NX, Scotland, Tel. +44 (0) 1738 877 845 Email Qusai.Al- Hamdan.Perth@uhi.ac.uk qusai.alhamdan@gmail.com</p> |

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| <p>Dr. Sa'd Hamasha, Associate professor Industrial and Systems Engineering at Auburn University / smb0083@auburn.edu +1 607-768-8580 +1 (740) 591-6373 (+962)2-7201000 Ext: 22539Dr.</p> <p>Qusai Z. Al-Hamdan An associate Professor Aircraft Engineering Department Perth College, University of Highlands</p> | <p>Dr. Omar Hwari, Associate professor Mechanical and Systems Engineering program/ specialty track in Industrial and Systems and of operations at college of business Ohio' university alhawari@ohio.edu</p> <p>Adnan A. Al-Bashir, CSSBB Industrial Engineering Dept. The Hashemite University</p> | <p>Mohammed Ali Almomani Chairman of Department, Industrial Engineering-Faculty member Industrial Engineering- Jordan University of Science and Technology maalmomani7@just.edu.jo</p> <p>Dr. Awni Qasaimeh Reliability Engineering Tennessee Tech University / awniqs@gmail.com or awni.qasaimeh@zebra.com +1 (607) 768-2243</p> |
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GRADUATE COURSE WORK DETAILED**BINGHAMTON UNIVERSITY, THE STATE UNIVERSITY OF NEW YORK
DOCTOR OF PHILOSOPHY IN INDUSTRIAL AND SYSTEM SCIENCE ENGINEERING**

| No | Course Name | Course Number | Course | Grade |
|----|------------------------------------|---------------|--------|-------|
| 1 | Advanced Human Factors | SSIE | 3 | A |
| 2 | FuzzySets, FuzzyLogic, and Fuzzy | SSIE | 3 | A |
| 3 | AdvancedTopicsin AppliedSoft | SSIE | 3 | A |
| 4 | Advanced Topics In Integrated | SSIE | 3 | A |
| 5 | Applied Multivariate Data Analysis | SSIE605 | 3 | A |
| 6 | Designing with Experiments | SSIE566 | 3 | B |
| 7 | Human Factors Engineering And | SSIE533 | 3 | A |
| 8 | Systems Problem Solving | SSIE506 | 3 | B |

**EMBRY RIDDLE AERONAUTICAL UNIVERSITY, U.S.A.
MASTER OF AERONAUTICAL SCIENCE, (M.A.S.) WITH (HUMAN FACTORS IN AVIATION)**

| No | course name | Course | Course | Grade |
|----|--|---------|--------|-------|
| 1 | Human Factors in the Aviation/Aerospace | ASCI604 | 3 | A |
| 2 | Applied Experimental Design | ASCI665 | 3 | A |
| 3 | Aviation/Aerospace Psychology | ASCI634 | 3 | A |
| 4 | Memory and Cognition | ASCI663 | 3 | A |
| 5 | Human-Computer Interaction | ASCI661 | 3 | A |
| 6 | Air Transportation Systems | ASCI602 | 3 | A |
| 8 | Aircraft and Spacecraft Development | ASCI603 | 3 | A |
| 9 | Administrative Research and Report Methods(Graduate Capstone Project) | ASCI605 | 3 | A |

**CENTRAL MICHIGAN UNIVERSITY, U.S.A.
MASTER OF SCIENCE IN ADMINISTRATION (ACQUISITION ADMINISTRATION)**

| | Course Name | Course | Course | Grade |
|----|---|---------|--------|-------|
| 1 | Production Concepts | IET500 | 3 | A |
| 2 | Management and Control of Quality | MGT543 | 3 | A |
| 3 | Program Analysis and Evaluation | PSC 714 | 3 | A |
| 4 | Quantitative Applications in Administrative and Decision Making | MSA640 | 3 | A |
| 5 | Managerial Accounting Concepts | MSA634 | 3 | A |
| 6 | Integrative Analysis of Administration | MSA685 | 3 | A |
| 8 | Marketing Administration & Financial | MSA660 | 3 | A |
| 9 | Regulatory Processes and Administrative | PSC522 | 3 | B |
| 10 | Purchasing Strategy | MGT533 | 3 | A |
| | Financial Management | MSA635 | | A |
| 11 | Administrative Research and report method(Methods and Procedures for the | MSA600 | 3 | A |