

Mohamed A. AbuAli, PhD PMP CQE SSGB

Personal Information	<p><u>Residency:</u> USA Permanent Resident</p> <p><u>Experience:</u> 4 Years of Professional Industry, 3 Years of Teaching, 5 Years of Research</p>
Objective	<p>To obtain a challenging position in the field of Systems and Industrial Engineering that will capitalize on my multidisciplinary professional and academic engineering experiences in the domains of advanced manufacturing and product-service systems.</p>
Education	<p>(1) Ph.D. in Industrial Engineering Sept. 2006 – Sept. 2010 (Graduated: Sept. 2, 2010) University of Cincinnati Cincinnati, Ohio, USA</p> <ul style="list-style-type: none">• GPA: 3.75 (out of 4.00)• <u>Dissertation Title:</u> "Techniques for Non-intrusive Machine Energy and Health Modeling"• <u>Research Interests:</u> Prognostics and Health Management, Energy Systems, Mfg. Quality• <u>PhD Courses Completed:</u> Entrepreneurship, E-Manufacturing, Occupational Safety and Health Engineering; Industrial Hygiene Exposure Assessment; Biostatistics; Supply Chain Management; Epidemiology; Advanced Quality Engineering; System Safety; Product Liability and Safety Engineering; Ergonomic Design; Project Management,. <p>(2) M.Sc. in Engineering with specialization in Industrial Engineering Sept. 2003 – Dec. 2005 American University in Cairo Cairo, Egypt</p> <ul style="list-style-type: none">• GPA: 3.650 (out of 4.000)• Thesis: Supply Chain Management – Modeling and Optimization in Manufacturing Industries• Courses Completed: Engineering Systems Analysis & Design; Simulation and Optimization Techniques; Facilities Planning and Design; Experimental Methods in Engineering; Total Quality Management; Composite Materials; Solid Waste Engineering; Engineering Numerical Methods. <p>(3) Graduate Diploma in Engineering Sept. 2003 – Dec. 2004 American University in Cairo Cairo, Egypt</p> <p>(4) B.Sc. in Systems Engineering Aug. 1998 - May 2003 University of Arizona Faculty of Engineering & Mines, Department of Systems & Industrial Engineering Tucson, Arizona, USA</p> <ul style="list-style-type: none">• Degree Awarded: Bachelor of Science in Systems Engineering as of May 2003• Major GPA: 3.250 (out of 4.000)• Upper Division Units GPA: 3.438 (out of 4.000)• Minor In Mathematics• Accredited by ABET (The Accreditation Board of Engineering and Technology)• Senior Design Graduation Project (Aug. 2002 - Dec 2002)<ul style="list-style-type: none">○ Company: IBM, The University of Arizona Science & Research Park, Tucson, Arizona, USA.○ Objective: To develop and implement a statistical testing plan with an IBM engineering team to test the quality of removable linear tape open (LTO) storage devices produced by IBM.

Diplomas and
Certifications

(1) American Society for Quality (ASQ) Certified Quality Engineer (CQE)

December 2008

American Society for Quality (ASQ), USA

- Goal: To acquire a reputable license from ASQ to certify quality engineering domain knowledge.

(2) Fundamentals of Engineering (F.E.) Examination

April 2007

National Council of Examiners for Engineering and Surveying (NCEES), OHIO, USA

- Goal: To pursue a professional engineering license.

(3) Project Management Professional (PMP) License

Mar. 2006 - Sept. 2006 (Exam Completed in Sept. 2007)

Project Management Institute (PMI), U.S.A.

- Goal: Extensive training in the Project Management Body of Knowledge (PMBok) standard that is set by the Project Management Institute (PMI).

(4) Six Sigma Green Belt Certification (SSGB)

Dec. 2003 - Mar. 2004

Institute of Quality Management, American University in Cairo, Egypt

- Goal: Training in the Six Sigma Methodology to learn the tools to achieve breakthrough improvements in the overall productivity and profitability in an organization.

(5) Management Information Systems (MIS) Certification

May 2002 - Aug. 2002

Eller College of Business and Public Administration, University of Arizona, AZ, U.S.A

- Specializations: Database Management (using Oracle Version 8), Usability and Website Implementation (using MS FrontPage XP), Systems Analysis and Design, and Networking.

Work
Experience

Aug. 2010 – Present University of Cincinnati Ohio, U.S.A

Post-Doctoral Researcher for IMS (Intelligent Maintenance Systems) Center

- Assisting and supporting the research center activities in several areas including: academic publications, proposal writing and submission to research funding agencies and industries, as well as engaging with local and international industries to promote and disseminate IMS research and technologies..

June 2008 – Present OMRON Corporation Kyoto, Japan

Researcher and Consultant

- Establishing and implementing a PhD dissertation-related case study that aims to enhance the current energy management system using technical prognostic tools and algorithms in order to formulate strategies for energy savings and conservation within the company factories.

July 2007 – Aug. 2010 University of Cincinnati Ohio, U.S.A

Doctoral Researcher for IMS (Intelligent Maintenance Systems) Center

- Assisting the center and managing multiple industrial projects with *Toyota, Boeing, P&G, Nissan, Toshiba, Siemens, and OMRON*. The aim of all projects is to develop effective predictive maintenance systems and smart service business infrastructures that will lead to near-zero breakdown performance.

Sept. 2006 – June 2007 University of Cincinnati Ohio, U.S.A

Teaching Assistant for the Faculty of Engineering

- Assisting the department in the teaching of courses and several administrative tasks.

Feb.. 2006 – Aug. 2006 German University in Cairo (GUC) Cairo, Egypt

Teaching Assistant for the Department of Engineering Design and Production Technology

- Assisting the department in the teaching of three courses: Engineering Production Technology, Engineering Design, and Quality and Project Management.

Sept. 2005 – Jan. 2006 ORASCOM Construction Industries (Egyptian Cement Co.) Cairo, Egypt

Quality and Environmental Management System Coordinator

- Establishing, maintaining, and coordinating the quality and environmental management systems for all the cement projects of the ORASCOM Construction Industries (OCI) in Pakistan and Algeria, as well as for upcoming projects and expansions in Dubai, Nigeria, and Indonesia.

Aug. 2003 – Aug. 2005 Modern Sciences and Arts (MSA) University Cairo, Egypt

Teaching Assistant for the Faculty of Engineering, Dept. of Industrial Systems Engineering

- Assisted in teaching the courses: Engineering Economy, Manufacturing Processes, Material Science Engineering, Engineering Dynamics, Production Systems Analysis, Operations Research.

Computer Skills	<p><u>Hardware Platforms:</u> IBM x86, Macintosh</p> <p><u>Operating Systems:</u> Dos, MS Windows (Up to Win 7), Unix</p> <p><u>Computer Applications:</u> MS Office (Up to Office 2010) including MS Excel, MS Powerpoint, MS Word, MS Frontpage, MS OneNote, and MS Visio</p> <p><u>Computer Aided Design:</u> AutoCAD, NX Unigraphics</p> <p><u>Computer Programming:</u> C, JAVA (Standard 1.4.2)</p> <p><u>Website Implementation:</u> HTML, PhP (Website Database Tool)</p> <p><u>Database Tools:</u> ORACLE, SQL</p> <p><u>Networking:</u> Internet Explorer, Mozilla, Netscape, FTP, Telnet</p> <p><u>Simulation Tools:</u> Arena</p> <p><u>Modeling Tools:</u> Matlab, NI Labview, Advantech Studio</p> <p><u>Statistical Tools:</u> Minitab, SPSS, JMP</p> <p><u>Linear Programming:</u> Lindo, Tora, WinQSB</p> <p><u>Supply Chain Tools:</u> ProcessWizard, SCORWizard</p> <p><u>Project Mgmt. Tools:</u> MS Project, PRIMAVERA</p>
Language Skills	<ul style="list-style-type: none"> ● Fluent in Arabic (mother tongue) ● Fluent in English (verbal and written)
Professional Memberships	<ul style="list-style-type: none"> ● Project Management Institute (PMI): Member since 2006. ● American Society of Safety Engineers (ASSE): Member since 2006. ● American Industrial Hygiene Association (AIHA): Member since 2006. ● American Conference on Governmental Industrial Hygienists (ACGIH): Member since 2006. ● The Association for Operations Management (APICS): Member since 2006. ● Institute for Industrial Engineers (IIE): Member since 2006. ● American Society for Quality Engineers (ASQ): Member since 2007. ● American Association for the Advancement of Science (AAAS): Member since 2008. ● Instrumentation, Systems, and Automation Society (ISA): Member since 2008. ● Society for Manufacturing Engineers (SME): Member since 2009. ● American Society for Mechanical Engineers (ASME): Member since 2009
Awards and Activities	<ul style="list-style-type: none"> ● [Summer 2008 and Summer 2009] - National Science Foundation Eastern Asian Pacific Summer Institute (EAPSI) Program Fellow for <u>Japan 2008</u> and <u>Singapore 2009</u> ● [April 2007 - June 2009] - National Institute of Safety and Health (NIOSH) Fellow ● [2007-2008 and 2008-2009] - President of the Student Section of the American Society for Safety Engineers (ASSE) at the University of Cincinnati, OH, USA.
References	<ul style="list-style-type: none"> ● References are available upon request.