

Name

Mahmoud Ali Mahmoud Barghash

Education – degree, discipline, institution, year

- BSc in Industrial Engineering-The University of Jordan Amman/ Jordan Excellent -1992
- MSc in manufacturing systems engineering and management - The University of Bradford UK -1994
- PhD in Manufacturing process analysis optimization and control - The University of Bradford UK - 2000

Academic experience – institution, rank, title (if appropriate), when, full time or part time

- University of Jordan, IE department -Assistant and associate Prof. –Full time – 2000-2012
- Applied science university - Sabbatical leave . –Full time – 2013-2014
- University of Jordan, IE department - Associate Prof. . –Full time – 2015-2016
- University of Jordan, IE department - Professor. –Full time – 2016- till now

Non-academic experience – company or entity, title, brief description of position, when, full time or part time

- Arabian company for packaging – Production Engineer -1992-1993
- Advanced technologies for mold manufacturing - quality control and quality assurance engineer -1994-1995

Certifications or professional registrations**Current membership in professional organizations****Honors and awards****Service activities (within and outside of the institution)**

- I was the head of the ABET committee part of the year 2016/2017 – University of Jordan
 - I am a member in the curriculum development for the Masters in Manufacturing Engineering and the development for the system dynamics and control laboratory – University of Jordan
 - ERP pre-implementation study -Jordina Cake manufacturing
 - Automation of a semi-automatic plastic mixing machine –CABELCO
 - Funded projects through the deanship of academic research - Deanship of Academic research
 - 1-Pattern recognition in control charts through artificial intelligence techniques
 - 2-State transition applied to modeling of computer integrated manufacturing
 - Current Projects: In cooperation with the ministry of public establishment development, I am member in a research group conducting projects to develop
 - 1- Ju- Hospital service development for the in patients and the out patients clinics to reduce customer waiting time.
 - 2- Optimizing the laboratory procedures for the ministry of agriculture
- Optimizing the south Amman court layout design for better services.

The most important publications and presentations

- M. Barghash, Estimation of the probable outbreak size of novel coronavirus (COVID-19) in

social gathering events and industrial activities, International Journal of Infectious Diseases, 98. 2020

-Issam S. Jalham, M. Barghash, , “ Modeling the effect of the hot-deformation parameters on the strength of Al-base metal matrix composites by the use of a radial base function (RBF) network”, Composite science and technology, 1225-1231. 2001

-MA Barghash, NS Santarisi Pattern recognition of control charts using artificial neural networks—Analyzing the effect of the training parameters, Journal of Intelligent Manufacturing 15 (5), 635-644 2004

-MM AlDurgham, MA Barghash A generalized framework for simulation-based decision support for manufacturing Production Planning and Control 19 (5), 518-534 2008

-TA Alabed, OM Abuzeid, M Barghash A linear viscoelastic relaxation-contact model of a flat fractal surface: a Maxwell-type medium The International Journal of Advanced Manufacturing Technology 39 (5-6), 423-430 2008

-MA Barghash, OM Abuzeid, AN Al-Rabadi, AM Jaradat Petri Nets and Ladder Logic for Fully-Automating and Programmable Logic Control of Semi-Automatic Machines and Systems American Journal of Engineering and Applied Sciences 4 (2), 252 2011

-MA Barghash A Diverse Neural Network Ensemble Team for Mean Shift Detection in X-Bar and CUSUM Control Charts JJMIE 5 (4) 2011

-MD Al-Tahat, D Dalalah, MA Barghash Dynamic programming model for multi-stage single-product Kanban-controlled serial production line Journal of -Intelligent Manufacturing 23 (1), 37-48 2012

-IY Ismail, MA Barghash Diversity guided genetic algorithm to solve the resource constrained project scheduling problem International Journal of Planning and Scheduling 1 (3), 147-170 2012

-FAK AlKaabneh, M Barghash, I Mishaal A combined analytical hierarchical process (AHP) and Taguchi experimental design (TED) for plastic injection molding process settings The International Journal of Advanced Manufacturing Technology 66 (5-8), 679-694 2013

The most recent professional development activities