# Curriculum Vitae

## Personal Info

Name:  Mahmoud Barghash
Maritial status : Married
Date of Birth : 18/7/1970

_____**Lang**

**uages**

Arabic Native speaker
English excellent

## Education

1987: High school certificate
1992: B SC In industrial engineering / University of Jordan
1995: MSC In Manufacturing systems engineering and manegement/ Brad. Uni UK
2000: PhD in Manufacturing engineering/ Polymer processing analysis/ Brad Uni UK

## Research interest

Polymer processing, Artificial intelligence in Manufacturing, scheduling, Simulation, Decision support systems, Control, Buisness dynamics

## Work Experience

1- Production engineer: In the Arabian company for pachaging material ( A princting factory) 1 year
2- Quality control engineer: in the Advanced technology factory, for 1 year
3- Faculty member at the Inductrial engineering department
    6 years.

**Taught courses**

1- Control systems & Lab
2- Manufacturing Processes I
3- Statistics II
4- Simulation for B.Sc and M.Sc
5- Computer Applications

**Graduation and MSC thesis supervised in the fields of**

Production planning, Control, Scheduling and currently machinery design

And system dybamics

**Computer skills**

1- Programming Lanugages C ++, Basic, Fortran
2- Matlab
3- Statistical packages ( SPSS)
4- Drawing packages ( such as Autocad)

**Training**

Course in Pneumatics at Bradford Community college

**Papers**

1. Issam S. Jalham, M. Barghash, (2001), " Modelling 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.

2. Mahmoud , A. Barghash and Nader S. Santarisi, (2004), " Pattern recognition in control charts using artificial neural networks – Analyzing the effect of the training parameters, Journal of Intelligent manufacturing, 15, 635-644

3. Taher A. Alabed, Osama M. abuzaid, (2007), " A linear viscoelastic relaxation contact model for a flat fractal surface: a Maxwell-type medium, International Journal of advanced manufacturing ( accepted) – To appear

## Conference Papers

1- Santarisi, N., and Barghash, M. "A comparative study between the performance of a neuro-fuzzy based model for pattern recognition in control charts and control chart heuristics", The11th International Conference on Machine Design and Production (UMTIK 2004), Antalya, Turkey, October 13-15, 2004.

2- Barghash, M. and Santarisi, N. "A Study on the Response and Stability of Artificial Neural Networks for Pattern Recognition in Control Charts", The 12$^{th}$. International Conference on Machine Design and Production (UMTIK 2006), Kusadasi, Turkey, September 5-8, 2006, pp. 239-252.

3- Barghash, M., and Santarisi, N., "Literature Survey on Pattern Recognition in Control Charts Using Artificial Intelligence", The 37th International Conference on Computers and Industrial Engineering, October 2007.

4- Santarisi, N., and Barghash, M. "A Neuro-Fuzzy based model for pattern recognition in control charts", The 37th International Conference on Computers and Industrial Engineering, October 2007.

5- Mahmoud A. Barghash and Essa Qura (2006), "Local-search job shop scheduling with genetic algorithms and novel DOE-MUTATION operator". 12$^{th}$ International conference on machine design and production, Kusadasi Turkey, 375-380

## Personal interests and Hobbies

1- Reading
2- Chatting
3- sports