

Dr. B.SHAHUL HAMID KHAN



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EDUCATIONAL QUALIFICATION

Course	Year	Institution	University/ Board
Ph.D (Industrial Engineering)	May 2008	National Institute of Technology, Trichirappalli, India	National Institute of Technology, Trichirappalli.
M.E (Production Engineering)	2000- 2001	Thiagarajar College of Engg, Madurai, India	Madurai Kamaraj University, India
B.E (Mechanical)	1995- 1999	Thiagarajar College of Engg, Madurai, India	Madurai Kamaraj University, India

PROFESSIONAL EXPERIENCE

1. Research Experience: 3 ½ Years
2. Teaching Experience: 6 Years

TOPIC OF THESIS

- ❖ Ph.D - Some Investigations on permutation flow shop scheduling with single and multiple objectives
- ❖ M.E – A new heuristic for single machine total weighted tardiness problem

5. A Multi objective simulated annealing algorithm for scheduling in flow shop to minimize makespan and maximum tardiness. **International Journal of production Research (Under Review)**
6. New heuristics for tri criteria flow shop scheduling problems, **European Journal of Industrial Engineering (Under Review)**.
7. A new Genetic algorithm for production and distribution planning in supply chain. **International Journal of production Research (Under Review)**
8. A Greedy Randomize Adaptive Search Procedure with Path Relinking for Flow Shop Scheduling Problem, **International Journal for Manufacturing Science & Technology, (Under Review)**.
9. Optimization of Genetic Algorithm Parameters in Flow Shop Scheduling using Grey Relational Analysis, **International Journal of Applied Artificial Intelligence in Engineering System, (Under Review)**.

PAPERS PRESENTED IN ABROAD

- ❖ **Two papers presented in the “International Conference on Intelligent Systems” (ICIS-2005) held on 1-3 December 2005 at University Technology Petronas, Kuala Lumpur, Malaysia.**

INTERNATIONAL CONFERENCE

- 1) **“A simulated annealing approach to solve single machine Scheduling problem”**, International Conference on CAD/CAM and Robotics for Future factories (INCARF-2003) held on 11-13 Aug 2003 at IIT Delhi.
- 2) **“A Tabu search Algorithm to solve single machine Scheduling problem”**, International Conference on Responsive supply chain and organizational competitiveness (RSC-2004) held on January 2004 at Coimbatore Institute of Technology, Coimbatore.
- 3) **“Kanban based production control – A Survey”**, International Conference on Responsive supply chain and organizational competitiveness (RSC-2004), held on January 2004 at Coimbatore Institute of Technology, Coimbatore.
- 4) **“A Modified Greedy Randomized Adaptive Search Procedure for permutation flow shop problem”**. International Conference on Intelligent

Systems (ICIS-2005) held on 1-3 December 2005 at **University Technology Petronas, Malaysia.**

- 5) **“A GRASP Algorithm for m-machine flow shop scheduling problem with bicriteria of makespan and maximum tardiness”**, International Conference on Intelligent Systems (ICIS-2005) held on 1-3 December 2005 at **University Technology Petronas, Malaysia.**
- 6) **“An Artificial Immune algorithm for Multiobjective flow shop scheduling”**, International Conference on productivity and quality research (ICPQR-2005) held on 12-15 December 2005 at IIT Delhi.
- 7) **“A PSO algorithm for optimization of machining parameters in turning”**, International Conference on productivity and quality research (ICPQR-2005) held on 12-15 December 2005 at IIT Delhi.
- 8) **“A Multi objective simulated annealing algorithm for scheduling in flow shop to minimize makespan and maximum tardiness”**, International Conference on Advanced Design and manufacturing (ICADM-2007), held on 09 – 11 August 2007.
- 9) **“A New Genetic algorithm for production and distribution planning in supply chain”**, International Conference on Advanced Design and manufacturing (ICADM-2007) held on 09 – 11 August 2007.

NATIONAL CONFERENCE

- 1) **“Algorithm for maximizing throughput by reducing sum of weighted tardiness in a single machine with sequence dependent setup time”**. National seminar on soft computing” held on 15 – 17 Feb 2002, at J.N.V.University, Jodhpur.
- 2) **“Non-traditional optimization techniques for scheduling problems – A Review”**, VI Annual convention & state level seminar on Challenges of technical education for vision 2020, held on September 2003 at CSI Polytechnic College, Salem. Organized by ISTE Chapter.
- 3) **“Non Traditional optimization techniques for flow shop scheduling problem – A Review”**. Second National conference on mathematical and computational models, Held on December 2003 at P.S.G College of technology, Coimbatore.

- 4) **“A Particle Swarm optimization algorithm to solve permutation flowshop scheduling problem”** National Conference on ADVANCES IN ENGINEERING DESIGN, held on 29 - 30 April, 2005 at Bannari Amman Institute of Technology.
- 5) **“Supply chain management – An approach for the competitive environment”** National Conference on recent trends in Mechatronics, Nano technology and robotics held on 15-16 April 2006 at National Institute of Technology Rourkela.
- 6) **“A Particle Swarm optimization algorithm for bi-criteria flow shop scheduling problem”** National Conference on recent trends in Mechatronics, Nano technology and robotics held on 15-16 April 2006 at National Institute of Technology Rourkela.
- 7) **“Design of cutting parameters for cutting process”** National Conference on recent trends in Mechatronics, Nano technology and robotics held on 15-16 April 2006 at National Institute of Technology Rourkela.
- 8) **“A new construction based algorithm for flow shop scheduling problem”** National Conference on Metaheuristics and their applications in Design, Manufacturing and Materials held on 12 – 15 March 2008 organized by department of Mechanical Engineering, Kalasalingam University.
- 9) **“Applications of Radio Frequency Identification (RFID) in Manufacturing Sector”** National Conference on Metaheuristics and their applications in Design, Manufacturing and Materials held on 12 – 15 March 2008 organized by department of Mechanical Engineering, Kalasalingam University.