

Iman Seyedi

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EDUCATION

2015–2020 **PhD**

Department of Industrial Engineering, Payame Noor University

Thesis: *Robust optimization for a truck scheduling problem in multi-door cross-docking with human factors and deteriorating jobs*

Supervisors: Dr. Maryam Hamed

Advisor: Prof. Reza Tavakkoli-Moghaddam

2006–2008 **Master of Science**

Department of Industrial Engineering, Mazandaran University of Science and Technology

Thesis: *A Genetic Algorithm approach for A Dynamic Cell Formation Problem*

Supervisors: Dr. Nikbakhsh Javadian

2002–2006 **Bachelor of Science**

Department of Industrial Engineering, Iran University of Science and Technology

RESEARCH INTERESTS

- ✓ Operation Research
- ✓ Optimization methods
- ✓ Internal Logistics
- ✓ Scheduling
- ✓ Cross- Dock
- ✓ Metaheuristic approaches

PUBLICATIONS

Seyedi, I. Hamed M., Tavakkoli-Moghaddam, R. (2021). Developing a mathematical model for a multi-door cross-dock scheduling problem with human factors: A modified imperialist competitive algorithm, Journal of Industrial Engineering and Management Studies, **Article in press**.

Seyedi, I. Hamed M., Tavakkoli-Moghaddam, R. (2021). Optimization for a truck scheduling problem in multi-door cross-docking with Learning effect and deteriorating jobs, Journal of Transportation Research, **Article in press**.

Seyedi, I. Hamed M., Tavakkoli-Moghaddam, R. (2019). Truck Scheduling in a Cross-Docking Terminal by Using Novel Robust Heuristics, International Journal of Engineering (IJE), IJE TRANSACTIONS B: Applications, 32(2), 284-291

Seyedi, I., Mirzazadeh, S., Maleki-Daronkolaei, A., Mukhtar, M., & Sahran, S. (2016). An inventory model with reworking and setup time to consider effect of inflation and time value of money. *Journal of Engineering Science and Technology*, 11(3), 416-430.

Seyedi, I., Maleki-Dar, A., Mukhtar, M., & Sahran, S. (2014). Evaluation of Managers' Attitude Toward Effects of Targeted Subsidy: A Case Study (Vulnerable Food Industry in Mazandaran Province in Iran). *Journal of Applied Sciences*, 14, 3122-3130.

Seyedi, I., & Maleki-Daronkolaei, A. (2013). Solving a two-stage assembly flow shop scheduling problem to minimize the mean tardiness and earliness penalties by three meta-heuristics. *Caspian Journal of Applied Sciences Research*, 2(4).

Mozdgir, A., Mahdavi, I., **Seyedi, I. S.**, & Solimanpur, M. (2013). Using the Taguchi method to optimize the differential evolution algorithm parameters for minimizing the workload smoothness index in simple assembly line balancing. *Mathematical and Computer Modelling*, 57(1-2), 137-151.

Maleki-Daronkolaei, A. & **Seyedi, I.** (2013). Taguchi method for three-stage assembly flow shop scheduling problem with blocking and sequence-dependent set up times. *Journal of Engineering Science and Technology*, 8(5), 603-622.

Shafizadeh, H., **Seyedi, I.**, & Ghasemi, I. (2013). Conceptual Modeling of Consumer Behavior in Electronic Shopping, *Journal of Marketing Management*, 8(19), 13-28. (Article in the Persian language).

Seyedi, I., Maleki-Daronkolaei, A., & Kalashi, F. (2012). Tabu search and simulated annealing for new three-stage assembly flow shop scheduling with blocking. *Interdisciplinary Journal of Contemporary Research in Business*, 4(8), 394-402.

Maleki-Daroukolaei, A., Modiri, M., Tavakkoli-Moghaddam, R., & **Seyyedi, I.** (2012). A three-stage assembly flow shop scheduling problem with blocking and sequence-dependent setup times. *Journal of Industrial Engineering International*, 8(1), 26.

Gholamian, A. **Seyedi, I.** (2011). Designing a New System for Strategic Evaluation of Supply Chain Management Performance Using Fuzzy Topics, *Journal of Tomorrow Management*. 10(29), 119- 142. (Article in the Persian language).

Javadian, N., Seyyedi, I., & Rezaeian, J. (2009). A genetic algorithm approach for a dynamic cell formation problem. *IFAC Proceedings Volumes*, 42(4), 1055-1060. <https://doi.org/10.3182/20090603-3-RU-2001.0121>

Publications in refereed conference proceedings

Talks

- ✓ Mirzazadeh, S., **Seyedi, I.** (2014). An inventory model considers the rework and the time it takes to adjust settings for rework by influencing the inflation rate and the time value of money. Talk presented at the 11th International Industrial Engineering Conference. Tehran-Iran
- ✓ Mozdgir, A., **Seyedi, I.** & Maleki, A. (2010). Smoothing of the work stations' load in the assembly line's rebalancing problem: two Metaheuristics approaches. Talk presented at the third International Conference of Iranian Association of Operations Research. Tehran – Iran.
- ✓ Mahdavi, I., **Seyedi, I. J.**, & Mahmudi, S. (2008). FMEA's role in identifying risk, risk assessment, and risk management in occupational safety and health management. Talk presented at the First International Conference on Industrial Safety, Occupational Health and Environment in Organizations. Isfahan – Iran.

Posters

- ✓ **Seyedi, I.**, Faridi, S., Barzegari, A., & Rezatabar, J. (2010). The Role of Strategic Entrepreneurship and Strategic H.R. Management in Novel Companies. Poster presented at the First International Management, Innovation and Entrepreneurship Conference, Shiraz, Iran.
- ✓ **Seyedi, I.**, Rajabnejad, S., Barzegari, A., & Samia, J. (2010). Total Innovation Management A New Model of Innovation Management. Poster presented at the First International Management, Innovation and Entrepreneurship Conference, Shiraz, Iran
- ✓ Mahdavi, I., **Seyedi, I.**, & Hajiaghahi, M. (2008).The role of knowledge management in the development of innovation in research and development centers. Poster presented at the Seventh Conference of R & D Centers of Industries and Mines.Tehran –Iran.
- ✓ **Seyedi, I.**, & Hajiaghahi, M. (2008).Investigating the Role of Information Technology in Process Reengineering. Poster presented at the First International Conference on Reengineering of Processes and Design. Tehran – Iran
- ✓ **Seyedi, I.**, & Hajiaghahi, M. (2008). Review the features of product innovation management systems. Poster presented at the First National Conference on Criticism and Innovation. Tehran – Iran.
- ✓ **Seyedi, I.**, & Mirzazadeh, S. (2012). Develop and improve SME marketing activities through networking. Poster presented at the Conference on Marketing Management and New Approaches in the Market. Ghaemshahr-Iran.
- ✓ **Seyedi, I.** (2013). A model based on knowledge management for continuous improvement in different generations of R & D. Poster presented at the First National Business Management Conference with a Focus on Entrepreneurial Business and Knowledge Economy Founded in March 2013- Ramsar-Iran.
- ✓ **Seyedi, I.** Akbarnejad,K, & Rajabnejad, S. (2013). A framework for implementation of green supply chain management in organizations. Poster presented at the First National Business Management Conference with a Focus on Entrepreneurial Business and Knowledge Economy Founded in March 2013- Ramsar-Iran
- ✓ **Seyedi, I.**, & Amiri, H. (2015). Different approaches to strategic planning under other circumstances of uncertainty. Poster presented at the National Conference on Industrial Engineering Research. Hamedan-Iran.
- ✓ **Seyedi, I.**, Rajabnejad, S. & Bahari, S. (2015). Continuous improvement in production, maintenance, and repair by TPM activities and its role in improving the overall equipment effectiveness. Poster presented at the National Conference on Industrial Engineering Research. Hamedan-Iran
- ✓ Fekri, R., **Seyedi, I.** (2015). Lean-agile production system framework evaluates the performance of manufacturing companies Poster presented at the International Conference on Management and Industrial Engineering. Tehran-Iran
- ✓

RESEARCH EXPERIENCE

- ✓ Information Organization on Babakan Industrial Estate via geographic Information System (GIS)
- ✓ Strategic Performance Evaluation and Prioritization of Selected Strategies Using Fuzzy Multi-Criteria Decision Making in Power Plants
- ✓ The attitude of Mazandaran province's industry managers to the effects of subsidies targeting (with a case study of Mazandaran's influential food industry)

WORKSHOP

- ✓ Project Management Training Workshop (PMBOK)
- ✓ ISO 9001-2015
- ✓ Waste Management Training Workshop
- ✓ R & D Management – Basic Concepts
- ✓ R & D Management – Introductory
- ✓ R & D Management – Advanced

- ✓ Production planning and control
- ✓ Principles of Outsourcing
- ✓ Advanced teaching method
- ✓ The Basics of Entrepreneurship
- ✓ Academic Entrepreneurship
- ✓ Business opportunities
- ✓ Entrepreneurship process

Working with software's

- ✓ **Expert in** M.S. Office(ms word-ms access-ms excel-ms PowerPoint), M.S. Project, Matlab, Minitab
- ✓ **Acquaintance with** Primavera, Visio, Lingo 8, Gams

ACADEMIC EXPERIENCE

- ✓ **August 2010** until **present** in Payame Noor University as a Faculty Member

TEACHING EXPERIENCE

- ✓ Operation Research 1, Payame Noor University
- ✓ Operation Research 2, Payame Noor University
- ✓ Inventory Control & Management, Payame Noor University
- ✓ Project Control & management, Payame Noor University
- ✓ Engineering Economy, Payame Noor University

HONORS AND AWARDS

- ✓ 2012 Superior researcher
Awarded by Payame Noor University of Mazandaran Province,
- ✓ 2012 Superior Master
Awarded by Payame Noor University of Mazandaran Province,
- ✓ 2011 Top researcher
Awarded by Payame Noor University of Mazandaran Province,

References:

- ✓ Professor Reza Tavakkoli-Moghadam

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- ✓ Dr. Maryam Hamedi

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✓ Dr. Mostafa Hajiaghahi-Keshteli

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