

Mazyar Ghadiri Nejad

Date of Birth: 04 March 1980

Address: No.26, Orhan Barut Alley, Karaoglanoglu Street, Girne, TRNC, Turkey

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EDUCATION

2017 – 2018	University of Vaasa One-year Sabbatical course in the Department of Production Faculty of Innovation and Technology Supervisor: Prof. Dr. Jussi Kantola	Vaasa, Finland
Feb. 2018	Eastern Mediterranean University PhD. in Industrial Engineering Industrial Engineering Department Thesis Title: <i>Cyclic production of flexible manufacturing cells</i> Supervisor: Prof. Dr. Bela Vizvári CGPA: 4.0/4.0	Famagusta, North Cyprus
Sep. 2010	Azad University of Tehran (South Tehran Branch) M.Sc. in Industrial engineering-productivity and system management Industrial Engineering Department Thesis Title: <i>Single-Sided Assembly Line Balancing Using a Meta-heuristic Algorithm</i> Supervisor: Assoc. Prof. Dr. Mohammad Taghi Taghavifard CGPA: 17.18/20	Tehran, Iran
Sep. 2003	Azad University of Tehran (South Tehran Branch) B.Sc. in Industrial engineering-Industrial productions Industrial Engineering Department CGPA: 16.09/20	Tehran, Iran

WORK EXPERIENCE

2018-Present	Girne American University <i>Assistant Professor at Industrial Engineering Department, Faculty of Engineering</i> Course Instructor of Industrial Engineering Department <ul style="list-style-type: none">• Facility Planning• Production System• Computer Programming• Differential Equation• Macroeconomics• Microeconomics	Kyrenia, Cyprus
2017-2018	University of Vaasa <i>Visiting Researcher of Production Department, Faculty of Technology</i> <ul style="list-style-type: none">• Research on Scheduling and Optimizing flexible robotic cell	Vaasa, Finland
2016-2017	Eastern Mediterranean University <i>Part-time Lecturer</i> Course Instructor of Industrial Engineering Department in an ABET-accredited program <ul style="list-style-type: none">• Statistical Applications in Engineering• Information System and Technology• Engineering Economics	Famagusta, North Cyprus
2013-2016	Eastern Mediterranean University <i>Chief of Research Assistants of Industrial Engineering Department</i>	Famagusta, North Cyprus

Course Instructor of Industrial Engineering Department in an ABET-accredited program

- Statistical Applications in Engineering
- Engineering Economics
- Information System and Technology

2011-2013	Eastern Mediterranean University <i>Teaching Assistant of Industrial Engineering Department</i> <ul style="list-style-type: none"> • Operations Research • Modeling Optimization • Production Planning • Statistical Applications in Engineering • Quality Engineering 	Famagusta, North Cyprus
2009-2010	Arjan Novin Veg. and Oil <i>Manager of Industrial Engineering Department</i> <ul style="list-style-type: none"> • Production Planning • Inventory Control • Preventive Maintenance Scheduling 	Tehran, Iran
2007-2009	KNR (Kar Negar Ravesh) <ul style="list-style-type: none"> • Manager of Control Project and Scheduling • Project Planning • Project Control and Monitoring 	Tehran, Iran
2006-2007	BS (Bahrevarz System) <ul style="list-style-type: none"> • Industrial engineer of the EFQM projects • Gathering Information and Data by Interview • Data Analyzing and Reporting 	Tehran, Iran
2004-2006	APS (Andisheh Pardazan Saraamad) Manager of Computerized Preventive Maintenance Projects (CMMS) <ul style="list-style-type: none"> • Data Gathering and Data Entry in our Software • Scheduling Preventive Maintenance Tasks • Report Analyzing and Software Developing 	Tehran, Iran
1999-2002	Saman Tanaavob Production and Inventory Control Expert	Tehran, Iran

PROJECTS

November, 2017	ABB Co. <ul style="list-style-type: none"> • Inspection/expedition of electrical motor pumps on behalf of German Lloyd Co., Germany 	Vaasa, Finland
August, 2015	AVAB SANAT Co. <ul style="list-style-type: none"> • Consulting of ISO9001:2014 about Quality Management Systems • Consulting of ISO10002:2004 about Customer Satisfaction 	Tehran, Iran

PUBLICATIONS

Published articles:

- **Ghadiri Nejad, M.**, Shavarani, S. M., Vizvári, B., & Barenji, R. V. (2018). Trade-off between process scheduling and production cost in cyclic flexible robotic cells. *The International Journal of Advanced Manufacturing Technology*, 96(1-4), 1081-1091.
- **Ghadiri Nejad, M.**, Güden, H., Vizvári, B., & Barenji, R. V. (2018). A mathematical model and simulated annealing algorithm for solving the cyclic scheduling problem of a flexible robotic cell. *Advances in Mechanical Engineering*, 10(1), 1-12.
- **Ghadiri Nejad, M.**, Kovács, G., Vizvári, B., & Barenji, R. V. (2018). An optimization model for cyclic scheduling problem in flexible robotic cells. *The International Journal of Advanced Manufacturing Technology*, 95(9-12), 3863-3873.

- Mosallaeipour, S., **Ghadiri Nejad, M.**, Shavarani, S. M., & Nazerian, R. (2018). Mobile robot scheduling for cycle time optimization in flow-shop cells, a case study. *Production Engineering*, 12(1), 83-94.
- **Ghadiri Nejad, M.**, Husseinzadeh Kashan, A. and Shavarani, M., (2018). A Novel Competitive Hybrid Approach Based on Grouping Evolution Strategy Algorithm for Solving U-shaped Assembly Line Balancing Problems. *Production Engineering*, 1-12.
- **Ghadiri Nejad, M.** and Husseinzadeh Kashan, A., An Effective Grouping Evolution Strategy algorithm enhanced with Heuristic Methods for Assembly Line Balancing Problem. *Journal of Advanced Manufacturing Technology*, Aug 2018, in-press.
- Shavarani, S. M., **Ghadiri Nejad, M.**, Rismanchian, F., & Izbirak, G. (2018). Application of hierarchical facility location problem for optimization of a drone delivery system: a case study of Amazon prime air in the city of San Francisco. *The International Journal of Advanced Manufacturing Technology*, 95(9-12), 3141-3153.
- **Ghadiri Nejad, M.** and Banar, M., (2018). Emergency response time minimization by incorporating ground and aerial transportation, *Annals of Optimization Theory and Practice*, 43-57.
- Vatankhah Barenji, R., **Ghadiri Nejad, M.** and Asgari, I., (2018). Optimally-sized Design of a Wind/photovoltaic/Fuel cell Off-Grid Hybrid Energy System by Modified Grey Wolf Optimization Algorithm. *Energy & Environment*, 0958305X18768130.
- Khandan, A., Ozada, N., Saber-Samandari, S., & **Ghadiri Nejad, M.**, (2018). On the mechanical and biological properties of bredigite-magnetite (Ca7MgSi4O16-Fe3O4) nanocomposite scaffolds. *Ceramics International*, 44(3), 3141-3148.
- Ghayour, H., Abdellahi, M., **Ghadiri Nejad, M.**, Khandan, A., & Saber-Samandari, S. (2017). Study of the effect of the Zn²⁺ content on the anisotropy and specific absorption rate of the cobalt ferrite: the application of Co_{1-x}Zn_xFe₂O₄ ferrite for magnetic hyperthermia. *Journal of the Australian Ceramic Society*, 1-8.
- Ghasemi, M., **Ghadiri Nejad, M.**, & Bagzibagli, K. (2017). Knowledge Management Orientation: An Innovative Perspective to Hospital Management. *Iranian journal of public health*, 46(12), 1639-1645.
- **Ghadirinejad, M.**, Atasoylu, E., Izbirak, G., & Ghasemi, M. (2016). A Stochastic Model for the Ethanol Pharmacokinetics. *Iranian journal of public health*, 45(9), 1170-1178.

Conference papers:

- **Ghadiri Nejad, M.**, Güden, H. and Vizvári, B., A Novel Metaheuristic Approach to Optimize Flexible Robotic Cell Problems Considering the Batch Processing Culture. *OR*, 2017, at Berlin.
- Mosallaeipour, S., **Ghadiri Nejad, M.** and Nazerian, R., A 2-phase Optimization Approach for Reducing the Size of the Cutting Problem in Box Production Industries; A Case Study. *GJCIE*, 2017, at Vienna.
- Mosallaeipour, S., **Ghadiri Nejad, M.**, Shavarani, M. and Nazerian, R., Mobile Robot Scheduling in Fellow-Shop Cells and its Importance on Minimizing the Production Time and Cost. *2nd ICBFP*, 2017, at Famagusta.
- Vizvári, B., **Ghadiri Nejad, M.**, Güden, H. and Kovács, G., Combinatorial Analysis of the Pure Cycles of an FMS Consisting of Identical Work Centers. *ECCO XXIX 2016*, at Budapest.
- **Ghadiri Nejad, M.**, Mosallaeipour, S. and Vizvári, B., A New Approach to optimize a Flexible Manufacturing Cell. *1st ICNDBM*, 2013, at Famagusta.
- **Ghadiri Nejad, M.**, Husseinzadeh Kashan, A. and Rismanchian, F., A new competitive method for solving assembly line balancing problem. *1st ICNDBM*, 2013, at Famagusta.
- Ghasemi, M., Attar, H. and **Ghadiri Nejad, M.**, Product development under sanction: The case of an Iranian EPC contractor in gas and oil tank manufacturer. *1st ICNDBM*, 2013, at Famagusta.

Books/Book chapters:

- Ghasemi, M. and **Ghadiri Nejad, M.**, Necessity of Human Resource Management in Innovation. *Lambert Academic Publishing, Germany*, 2018. ISBN: 978-620-2-08037-8.
- Ghasemi, M. and **Ghadiri Nejad, M.**, New Product Development under Sanction (Rozhin Sanat Company)". *Lambert Academic Publishing, Germany*, 2013. ISBN: 978-3-659-47319.
- Mosallaeipour, S., Nazerian, R., & **Ghadirinejad, M.** (2018). A Two-Phase Optimization Approach for Reducing the Size of the Cutting Problem in the Box-Production Industry: A Case Study. In *Industrial Engineering in the Industry 4.0 Era* (pp. 63-81). Springer, Cham.

Journal Reviewer:

- Journal of intelligent manufacturing, Impact Factor: 1.731, ISSN: 0956-5515 (Print) 172-8145 (Online), Imprint: Springer (Coverage: SCI Expanded).
- European Journal of operational research, Impact Factor: 2.358, ISSN: 0377-2217, Imprint: ELSEVIER (Coverage: SCI Expanded).
- Journal of Tourism and Hospitality Research, ISSN: 1467-3584 Imprint: SAGE (Coverage: ESCI).
- Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering (JSME), ISSN: 2008-4927

HONORS/CERTIFICATES

- Certificate of Completion of Project Management Course Based on PMBOK Guide (4th Edition). Rozhin Sanat Co., July, 2012.
- Appreciation Certificate of Intercontinental Concert as the Planning Control Coordinator of Eastern Mediterranean University Promotion Project.
- Certification of Participating in Training Course:
 - ISO 9000 Standards for Quality Management System, August, 2008.
 - Project Management, September, 2008.

FIELDS OF INTEREST

- Operations research and optimization
- Project planning and scheduling
- Renewable Energy
- Data analyzing
- Probabilistic and Stochastic models

IT SKILLS

- Windows 98/2000/NT/XP/Vista/Seven/Eight
- Microsoft office: Word, Excel, Access and Power point
- Control Project: Microsoft Project
- Econometrics and Statistics: SPSS, Minitab and STATA
- Optimization: CPLEX, Lingo and Lindo
- Coding: MATLAB
- Inventory Control and MRP: POMQM
- Dynamic modeling: Insight Maker

LANGUAGE SKILLS

- Persian (Native)
- English (Fluent – Academic IELTS: 6.5)
- Turkish (Beginner)