In the name of god

Nasim Nahavandi

Professor of Industrial Engineering Tarbiat Modares University

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1-Personal Information:

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2- Education:

1998-2003: Tarbiat Modares University, Tehran, Iran. Ph.D.in Industrial Engineering, Ph.D. Thesis: "Material Flow Management to Improve Throughput and Leadtime; A New Approach."

1993-1995: Polytechnic University, Tehran, Iran. M.Sc.in Industrial Engineering, M.Sc. Thesis: "Design of Tarrif model for Loading, Unloading and Storage of Containers in Ports"

1989-1993: Sharif University of Technology, Tehran, Iran. B.Sc. in Industrial Engineering, B.Sc. Project: "Feasibility Study of Rock Wool Plant"

3- Work Experiences:

Head of Performance Evaluation and Quality Assurance Office of Tarbiat Modares University, 2016 until now.

Member of the working group for Monitoring, Evaluation and Quality Assurance of the Universities of Tehran province- Member of the specialized working group of Research and Technology Institutes, 2018 until now.

Head of Social and Economic Systems Dept., Industrial & Systems Engineering Faculty, Tarbiat Modares University, 2013 until 2018.

Associate Professor at Tarbiat Modares University, Faculty of Industrial & Systems Engineering, 2013 until now.

Assistant Professor at Tarbiat Modares University, Faculty of Engineering, Department of Industrial Engineering, 2004 until 2012.

Senior Expert in Research and Development Center, Ports and Shipping Organization, 1995-2003.

4- Referee for Journals:

Journal of Manufacturing Systems **IEEE** Access Transportation Research Part E -Logistics and Transportation Journal of Cleaner Production **Kybernetes** Environment, Development and Sustainability International Journal of Production Research **Applied Soft Computing** Journal of E-Commerce in Organization Knowledge Based System Journal International Journal of Industrial Engineering and Production Research Sharif Journal of Science and Technology Amir Kabir Journal of Science and Technology International Journal of Industrial Engineering and Production Management Modares, Management Research in Iran International Journal of Industrial Engineering

5- Research Interests:

Multiple Criteria Decision Making Production Planning and control Systems System Dynamics Combination of System Dynamics and Mathematical Modeling (Multi objective) Performance Evaluation Optimization and applications Productivity and Performance Measurement Simulation Risk Management Supply chain Management

6- Graduate Courses Taught (PH.D and M.Sc. courses)

Advanced production Planning Advanced Engineering Economics Simulation Production Planning and Control Systems Multiple Criteria Decision Making Probability and Statistics Operations Research II System dynamics

7- Scientific Associations

Member of the founding board of Iran System Dynamics Society Member of Iran Institute of Industrial Engineering Member of Iran System Dynamics Society

8- Research Projects

Evaluating Performance of TMU's Strategic Plan by SD & LM Determining The Goals of key Indicators of TMU's Strategic Plan Evaluating The Performance of TMU's Department & Faculties Strategic Planning in Tarbiat Modares University (TMU). Crisis Management in Tax Affairs Organization. Evaluating the Effects of IT on Efficiency in Iran Telecommunication Company Providing a Secure Virtual Training Model in the National Iranian Oil Company Comparison of Material Flow Management Systems in Job Shop Environment BPR in Ministry of Foreign Affairs Islamic Republic of Iran. BPR in Ministry of Labor Islamic Republic of Iran. Determine the Hire Rate of Dredgers in Ports and Shipping Organization. Developing an Expert System for Port's Tariff. Mechanization of the ordering system in Iran Khodro.

9- Honors and Awards

2018- Efforting Professor of Tarbiat Modares University
2016- Award for selected paper in International Conference on Research Findings in Industrial and Mechanical Engineering.
2004- Top Female Researcher in Iran
2003- Top Researcher in Road & Transportation Ministry
1996- Top Student Award of Amir Kabir Technical University (M.sc.Degree).

10- Thesis Supervised

Majid Mashayekhi (Guidance, M.Sc) Bahman Ajdari (Guidance, M.Sc) Taraneh Khoshoee (Guidance, M.Sc) Jaleh Parsaee (Guidance, M.Sc) Atousa Farzad (Guidance, M.Sc) Shima Dehbashi (Guidance, M.Sc) Mohammad Abbasian (Guidance, M.Sc) Mojtaba Safarian (Guidance, M.Sc) Mohammad Hadi Ketabchi (Guidance, M.Sc) Mohammad Malekzadeh (Guidance, M.Sc) Alireza Ghajari (Guidance, M.Sc) Omid Weisi Tappehgoli (Guidance, M.Sc) Omid Bigdeli (Guidance, M.Sc)

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Abdolreza Saei (Advisor, M.Sc) Zahra Bagheri Nejad Roudine (Advisor, M.Sc) Akram Boroujerdi (Advisor, M.Sc) Mohsen Shahrabi Farahani (Advisor, M.Sc) Omid Azade (Advisor, M.Sc) Farshid Esmaeili Kakhaki (Advisor, M.Sc) Mehdi Garousi (Advisor, M.Sc) Nima Mirzaei (Advisor, M.Sc) Hayede Khanifar (Advisor, M.Sc) Masume Amirzadegani (Advisor, M.Sc)

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Arman Sajedi Nejad (Advisor, Ph.D) Ahmad Jafar Zadeh Afshari (Advisor, Ph.D) Zeinab Hosseinzade Ghazi Chaki (Advisor, Ph.D)

11- Book

Nasim Nahavandi, Mohammad Abbasian, Integrated Material Flow Management and Scheduling in Production Environments, Tarbiat Modares University Press, Tehran, Iran, 2019.

12- Papers and Publications in Journals

1) S. H. Zegordi, and N. Nahavandi, "Measuring Productivity Indexes and Efficiency in Container Terminal At Port Rajaei", Scientia Iranica, 9(3), 248-254, 2002.

2) N. Nahavandi and S. K. Chaharsooghi, "Calculating Performance Measures of Flow Line Based on Queuing Models; An Approximation Method", Modares Technical and Engineering Journal, 11, 1-10, 2002.

3) S. K. Chaharsooghi, and N. Nahavandi, "Buffer Allocation Problem; A Heuristic Approach", Scientia Iranica, 10(4), 401-409, 2003.

4) M. M. Sepehri, and N. Nahavandi, "Critical WIP Loops: A Mechanism for Material Flow Control in Flow lines", International Journal of Production Research, 45(12), 2759-2774, 2007.

5) A. Farzad, N. Nahavandi and A. Caruana, "The Effect of International Marketing on Organizational Commitment in Iranian Banks", American Journal of Applied Sciences, 5(11), 1480-1486, 2008.

6) N. Nahavandi and F. Haghighirad, "An Integrated Inventory Model for Two Products with Internal and External Demands", World Applied Sciences Journal, 5 (2), 258-266, 2008.

7) N. Nahavandi, M. H. Yousefian, A. Bayat, "Determining IT outsourcing strategy using AHP; A Case in Bank", New Business and Economic, 13, 89-110, 2008.

8) N. Nahavandi, "CWIPLII, A Mechanism For Improving Throughput and Lead time in Unbalanced Flow lines", International Journal of Production Research, 47 (11), 2921-2941, 2009.

9) N. Nahavandi and S. Dehbashi, "The Effect of Perceived risk, Perceived Usefulness, Trust and IT-Related Knowledge on Adoption of E-ticketing in Iran", World Applied Sciences Journal, 6 (1), 86-96, 2009.

10) N. Nahavandi, M. Abbasian, "Minimize maximum working time, work on the problem of dynamic flexible job shop with parallel machines", Industrial Engineering and Management (Sharif), 26 (2), 47-58, 2010.

11) N. Nahavandi, A. Norouzi, "Contractor Analysis via fuzzy MADM techniques with independent and interdependent relationships", Journal of transportation Research, 8(3), 303-312, 2011.

12) N. Nahavandi, Abbasian, "Solving Multi-Objective Flexible Dynamic Job-Shop Scheduling Problem with Improved Genetic Algorithm", International Journal of Industrial Engineering and production Management, 21 (3), 1-11, 2011.

13) N. Nahavandi and F. Haghighi, "Integrated Versus nonintegrated inventory management", African Journal of Business management, 5 (9), 3436-3447, 2011.

14) N. Nahavandi, J. Parsaee and Montazeri, "Integrated Framework for Using TRIZ and TOC together: A case study", International Journal of Business Innovation and Research, 5 (4), 309-324, 2011.

15) N. Nahavandi, F. Haghighi and Farrokhi, "A Dual Model for Describing Reverse Logistics inventory systems", International Journal of Modeling and Optimization, 1 (2), 174-179, 2011.

16) N. Nahavandi, Abbasian, "Multi-Objective Flexible Dynamic Job-Shop Scheduling Problem Considering Maintenance Constraint", International Journal of Industrial Engineering and production reserach, 22 (1), 14-26, 2011.

17) H. Mashreghi, N. Nahavandi, M. R. Amin Naseri, "Prioritizing of production fields in machinery industries by TOPSIS and AHP for preparing Iran Accession to WTO", International Journal of Industrial Engineering and production Management, 22 (2), 127-143, 2011.

18) E. Nikbakhsh, N. Nahavandi, S. H. Zegordi, "A goal Programming approach ",International Journal of Industrial Engineering and production Management, 22(3), 294-302, 2011.

19) N. Nahavandi, F. Haghighi rad, "Measuring supply chain Entropy using TSALLIS method", Economics & Sociology, 4(2), 26-31, 2011.

20) A. Abdi, E. Asadi, M. Saffarzadeh, F. Jolaei, N. Nahavandi, "Airside of Airport Capacity Enhancement Based On Flexible Flow Shop Multi-Objective Scheduling Model", International Journal of Industrial Engineering, 45 (2), 175-185, 2011.

21) H. Mashreghi, N. Nahavandi, M. R. Amin Naseri, "Prioritizing of Production Fields in Machinery Industries by Topsis and AHP Methods for Preparing Iran Accession Plan to World Trade Organization (WTO)", International Journal of Industrial Engineering & Production Management, 22(2), 128-143, 2011.

22) E. Nikbakhsh, N. Nahavandi, S.H. Zegordi, "Goal Programming Approach to the Bi-Objective Competitive Flow-Capturing Location-Allocation Problem", International Journal of Industrial Engineering & Production Management, 22(3), 293-302, 2011.

23) N. Nahavandi, F. Haghighi Rad, "Integrated versus non-integrated inventory management", African Journal of Business Management, 5(9), 3436-3447, 2011.

24) N. Nahavandi, K. Najafzafdeh, "Comparison of demand side control and supply side development of Electricity by system dynamics Approach", International Journal of Industrial Engineering and production Management, 22 (4), 342-358, 2012.

25) M. Hossein zadeh Kashan, N. Nahavandi, A. Hosseinzadeh Kashan, "DisABC: A new artificial bee Colony algorithm for binary optimization", Applies Soft Computing, 12, 342-352, 2012.

26) J. Parsaee, N. Nahavandi, ElMekkawy, "Buffer size Determination for DBR Controlled Supply chain Networks", International Journal of Agile system and Management, 5 (2), 151-163, 2012.

27) N. Nahavandi, H. Eslami, M. Abbasian, S. Pourdarab, "Design of an Intelligent System for evaluation of science park", International Journal of Industrial Engineering and production Research, 23(2), 73-83, 2012.

28) N. Nahavandi, F. Tanhaei, "Algorithm for solving product mix problem in two constraint resource environment", International Journal of Advanced manufacturing Technology, 64(4), 1161-1167, 2013.

29) M. Nakhaei Nejad, N. Nahavandi, "An Interactive Algorithm for multi-objective flow shop scheduling using fuzzy processing time through resolution method and TOPSIS", International Journal of Advanced manufacturing Technology, 66(8), 1047-1067, 2013.

30) M. Hossein zadeh Kashan, A. Hosseinzadeh Kashan, N. Nahavandi, "A Novel Differential Evolutionary Algorithm for binary optimization, Computational optimization and application, Computational Optimization And Applications, 55(2), 481-513, 2013.

31) B. Lak, N. Nahavandi, "Determining risks in traffic congestion RFID", Industrial Engineering & Management (sharif), 28(2), 113-130, 2013.

32) A. Naimi Sadigh, H. Fallah, N. Nahavandi, "A multi-objective supply chain model integrated with location of distribution centers and supplier selection decisions", International Journal of Advanced Manufacturing Technology, 69(1), 225-235, 2013.

33) N. Nahavandi, Maddahi, E. Masehian, "Local Search simulated Annealing for solving multi objective dynamic facility layout problrm", International Journal of Industrial Engineering and production Management, 24(1), 14-21, 2013.

34) N. Nahavandi, "Comparison of SCONWIP DCONWIP TOC and CWIPLII in job shop", Universal Journal of industrial and business management, 2(3), 61-68, 2014.

35) N. Nahavandi, E. Asadi, M. R. Amin Naseri, "Influence of bottleneck position on performance criteria in flexible flow shop scheduling with unrelated parallel machines", Industrial Engineering & Management (sharif), 30 (1), 13-24, 2014.

36) N. Nahavandi, T. Sabbaghi, "Solutions of security limitations for reduction of Privacy Vilation in RFID in Iran, E- Passport", Industrial Engineering & Management (sharif), 30(1), 25-34, 2014.

37) N. Nahavandi, E. Asadi, "A new Lower Bound for Flexible Flow Shop Problem with unrelated parallel machines", International Journal of Industrial Engineering and Productional Research, 25 (1), 65-70, 2014.

38) N. Nahavandi, S. H. Zegordi, M. Aghdasi, M. Nakhaeinejad, "A model for Order and Inventory Planning in Alloy Steel Industry", Production and Operations Management, 5(2), 37-56, 2014.

39) M. Pourhossein, N. Nahavandi, M. K. Sheikh-El-Eslami, "Transition in Iran's Electricity Market Considering the Policies on Elimination of Electricity Subsidies: System Dynamics Application", International Journal of Industrial Engineering and Productional Research, 25(4), 263-270, 2014.

40) E. Asadi Gangraj, N. Nahavandi, "A Metaheuristic approach for batch sizing and scheduling problem in flexible flow shop with unrelated parallel machines", International journal of computer applications, 97(6), 31-36, 2014.

41) M. Nakhaeinejad, N. Nahavandi, "Production scheduling for hot rolling processes with time windows in the steel industry", International Journal of Agile systems and management, 7(2), 179-197, 2014.

42) E. Asadi Gangraj, N. Nahavandi, "Heuristic Approach for Scheduling and Order Acceptance in Flexible Flow Shop Environment", International Journal of Industrial Engineering & Production Management, 25(2), 205-216, 2014.

43) N. Nahavandi, S. Imeni, "Sequencing Mixed-Model assembly Line to Minimize Total Stoppage Times (Case Study: Saipa Corporation)", International Journal of Industrial Engineering & Production Management, 26(3), 371-386, 2015.

44) S. Tasouji Hassanpour, M. R. Amin-Naseri, N. Nahavandi, "Solving Re-entrant No-wait Flowshop Scheduling Problem", International Journal of Engineering, 28(6), 903-912, 2015.

45) N. Nahavandi, R. Hemmatjou, B. Moshiri, "The construction projects HSE performance evaluation considering the effect of external factors using choquet integral, case study (an Iranian power plant construction company)", Journal Of Industrial And Systems Engineering, 8(1), 21-41, 2015.

46) Z. Hosseinzade, M. J, Monem, N. Nahavandi, "Development of a multi attribute decision making model for selection of automatic measurement systems in irrigation networks", Water & Irrigation Management, 4(2), 177-190, 2015.

47) N. Nahavandi, M. Nakhaeinejad, "A Model For Steelmaking- Continuous Casting Multi Objective Scheduling In Steel Industries And A Heuristic Solution Methodology Based On Branch And Bound Method", Sharif Industrial Engineering & Management, 30(2), 53-66, 2015.

48) E. Asadi Gangraj, N. Nahavandi, "Developing a Lagrangian Relaxation Method for Flexible Flowshop Scheduling Problem", Journal of Industrial Engineering Research in Production Systems, 3(6), 121-131, 2016.

49) M. Zarei Mahmoodabadi, N. Nahavandi, A. Taghavi, "Designing Dynamic Balanced Scorecard with A Combined Approach of Balanced Scorecard (BSC) and System Dynamics Modeling (SDM)", International Journal of Industrial Engineering & Production Management, 27(2), 201-214, 2016.

50) R. Dabestani, N. Nahavandi, M. Saljoughian, "Predicting the progress trends of science and technology in Iran through a system dynamics approach", Journal of Modelling in Management, 11(1), 116-133, 2016.

51) N. Nahavandi, S.H. Zegordi, M. Abbasian, "Solving the Dynamic Job Shop Scheduling Problem using Bottleneck and Intelligent Agents based on Genetic Algorithm", International Journal of Engineering, Transactions C: Aspects, 29(3), 347-358, 2016.

52) R. Hemmatjou, N. Nahavandi, B. Moshiri, "Construction Project Performance Evaluation Model Based on Choquet Integral, Case Study (Power Plant Construction Company in Iran), International Journal of Industrial Engineering & Production Research, 27(3), 193-207, 2016.

53) N. Nahavandi, M. Abbasian, "An Efficient Approach for Bottleneck Resource Detection Problem in Multi-objective Dynamic Job Shop Environment", International Journal of Engineering, 29(12), 1691-1703, Dec 2016.

54) M. Abbasi, N. Nahavandi, "A Multi-Objective Model of Empty Containers transportation planning (Case Study Iranian Ports)", Journal of Transportation Research, 14(1), 130-142, 2017.

55) I .Panahi, N. Nahavandi, "An Efficient Imperialist Competitive Algorithm for Resource Constrained Project Scheduling Problem", International Journal of Industrial Engineering, 51(2), 161-174, 2017.

56) M. shariatmadari, N. Nahavandi, H. Zegordi, M. Sobhieh, "Integrated Resource Management for Simultaneous Project Selection and Scheduling", Computers & Industrial Engineering, 109, 39-47, 2017.

57) M. Asad Amraji, N, Nahavandi, "Prioritization Risk Model of Avalanche in Mountains Road Using Vehicle Collision Possibility Factor", Journal of Transportation Research, 13(4), 180-192, 2017.

58) F. Tanhaei, N. Nahavandi, S. Ahmadi Motlagh, "Improving for Drum-Buffer-Rope Material Flow Management with Attention to Second Bottleneck and Free Goods in a Job Shop Environment", Journal Of Quality Engineering & Production Optimization", 2(1), 77-88, 2017.

59) Z. Hosseinzadeh, M. J. Monem, N. Nahavandi, M. Vaez Tehrani, "Development of a Conceptual Model for Application of Hydro-Mechanical Gates in Irrigation Networks by a System Dynamic Approach, Irrigation & Drainage, 66 (5), 808-819, 2017.

60) M. Abbasi, N. Nahavandi, "A New Model for container Transportation in the Network of Iran Seaports", Journal of Maritime Transportation Industry, 2(4), winter 2017.

61) M. Asad Amraji, N. Nahavandi, "Ranking pattern of safety in rural road using a combination of Accident Severity Index and safety audit", Transportation Engineering, 9 (1), 1-15, 2017.

62) E. Hassannayebi, N. Nahavandi, A. Sajedinejad, "A Simulation Model for Dynamically Adjusting the Number of Kanbans in generalized Kanban Systems, Journal of Modelling in Engineering, 16(52), 26, 2018.

63) R. Mohebifard, M. Mehrabipour, N. Nahavandi, M. Sepehri, "Designing Multi-Objective Facility Location Model in green and Closed-Loop Supply Chain Network Under Uncertainty: Laundry and linen service centers of Moheb hospitals", International Journal of Industrial Engineering & Production Research, 28 (4), 507-524, Dec 2017.

64) A. Hasani goodarzi, N. Nahavandi, S. H. Zegordi, "A Multi-objective Imperialist Competitive Algorithm for Vehicle Routing Problem in Cross Docking Networks with Time Windows", Journal of Industrial & Systems Engineering, 11(1), 1-23, 2018.

65) R. Azizi Usefvand, N. Nahavandi, GH. Farzandi, "The Role of Supply Chain Risk Management on the Efficiency of the Pharmaceutical Distribution Companies, International Journal of Industrial Engineering & Production Research, 28 (1), 120-137, 2017.

66) N. Nahavandi, M. Abbasi, "Repositioning of Empty Containers under Uncertainty with Combined Approach of Robust Optimization and Risk Management, Journal of Transportation Research, 119-134, 2017.

67) M. Sharifinia, N. Nahavandi, "Designing a model for performance Evaluation and Ranking Insurance Companies by BSC-DEA, Sharif Industrial Engineering & Management, 33.1(2.2), 27-37, 2018.

68) R. Sadeghirad, N.Nahavandi, A. Hosseinzade Kashan, S. H. Zegordi, "An Integrated closed Loop Supply Chain Configuration Model and Supplier Selection Based on Offered Discount Policies", International Journal of Engineering, 31 (3), 440-449, 2018.

69) R. Sadeghirad, N. Nahavandi, "A novel multi-objective optimization model for integrated problem of green closed loop supply chain network design and quantity discount", Journal of Cleaner Production, 196, 1549-1565, 2018.

70) S. Ebrahimi fard, N. Nahavandi, A. Hosseinzadeh Kashan, "Non-dominated Sorting Genetic Algorithm-II to Solve Multi Objective Resource-constrained Project Scheduling Problem with Time-cost Trade-off ", Journal of Industrial Engineering, 51(4), 375-387, 2018.

71) N. Rasouli, F. Marandi, N. Nahavandi, "An Integrated approach based on MADM and MODM for supplier selection and assembler selection in supply chain management", Modern Research in Decision Making, 3 (1), 159-185, 2018.

72) N. Nahavandi, F. Tanhaie, "Solving Product Mix Problem in Multiple Constraints Environment Using Goal Programming", Journal of Industrial Engineering and Management Studies, 4 (1), 1-12, 2017.

73) A. Omid, S. H. Zegordi, N. Nahavandi, "Assessing Dynamic Efficiency of Machine-made Carpet Industry by Network DEA Technique", Production and Operations Management, 9 (16), 2018.

74) S. N. Hashemi, N. Nahavandi, "Evaluation of transportation service quality of metro lines in Tehran by a hybrid approach based on SERVQUAL and fuzzy TOPSIS", Journal of Transportation Research, 58, 73-86, 2019.

75) Z. Kaheh, N. Nahavandi, R. B. Kazemzade, "Development of Multi-choice Goal Programming By Applying the Interval Valued Intuitionistic Fuzzy principle Component Analysis to Select The Goal in Large Group Decision Making", Sharif Industrial Engineering & Management, 34-1(2/1), 111-120, 2019.

76) N. Nahavandi, A. Ahmadian, "Dynamic Analysis of Water Demand; Case Study of Qom City", Iran-Water Resources Research, 15 (1), 372-377, 2019.

77) S. Behjat, N. Nahavandi, "A Mathematical Model and Grouping Imperialist Competitive Algorithm for Integrated Quay Crane and Yard Truck Scheduling Problem with Non-crossing Constraint", International Journal of Engineering, 32 (10), 1464-1479, 2019.

78) M. Shariatmadari, N. Nahavandi, "Identification and assessment of risks in petrochemical projects in Iran; case study: Bakhtar Petrochemical Company", Journal of Structural and Construction Engineering, 7 (2), 101-123, 2020.

79) N. Nahavandi, M. Rajeeian, "Quantitative Risk Allocation of BOT Projects in Road Construction", Journal of Transportation Research, Accepted.

80) S. Behjat, N. Nahavandi, "Quay Cranes and Yard Trucks Scheduling Problem at Container Terminals", International Journal of Engineering, 9 (33), 1751-1758, 2020.

81) M. Shariatmadari, N. Nahavandi, "A new resource buffer insertion approach for proactive resource investment problem", Computer and Industrial Engineering, 146, 1-10, 2020.

82) S. Abuzari, N. Nahavandi, "Presenting supplier selection and order allocation model and development of Fordis-Webster three-dimensional algorithm considering deficiency (Case Study: High Voltage Switches Manufacturer) ", Modern Research in Decidion Making, 5(2), 21-47, 2020.

83) F. Emtehani, N. Nahavandi, F. Mokhatab Rafiei,"An operations-finance integrated model with financial constraints for a manufacturer in a multi-supplier multi-product supply chain, Computers and Industrial Engineering, 153, 1-16, 2021.

84) N. Nahavandi, N. Bakhshi "Performance Evaluation of Telecommunication Services Provision with Combined Approach of Balanced Scorecard and System Dynamics (Case Study: Telecommunications Infrastructure Company)", International Journal of Intelligent Engineering Informatics, 8(5/6), 439-470, 2021.

85) N. Nahavandi, M. B. Ajayebi, "Anti-poverty policies analysis for the rural households in Iran: A system dynamics approach", International Journal of Intelligent Engineering Informatics, 9 (1), 88-118, 2021.

86) F. Emtehani, N. Nahavandi, F. Mokhatab Rafiei, "A Joint Inventory-Finance Model for Coordinating a Capital-Constrained Supply chain with Financing Limitations", Financial Innovation, 7 (6), 1-39, 2021.

87) H. Dehghan, M. R. Amin-Naseri, N. Nahavandi, "A system dynamics model to analyze future electricity supply and demand in Iran under alternative pricing policies", Utilities Policy, 69, 1-15, 2021.

88) N. Pak, N. Nahavandi, B. Bagheri, "Designing a multi-objective green supply chain network for an automotive company using an improved meta-heuristic algorithm", International Journal of Environmental Sciences and Technology, July 2021.

89) A, Rasaizadi, A. Ardestani, N. Nahavandi, "Airplane selection to renovate air transportation system: a multi-criteria decision-making problem", Advance Researches in Civil Engineering, 3 (3), 61-75, 2021.

12- Papers in Conferences

- 1) N. Nahavandi, " Comparing JIT, Job shop and GT& JIT by Simulation", The 2nd Industrial Engineering Conference, Amir Kabir Technical University, 1994.
- 2) N. Nahavandi, "Design A Tarriff Model for Loading and Unloading in Ports, The 3 rd Industrial Engineering Conference, Science and Technology University, 1995.
- 3) N. Nahavandi, "Design A Tarriff Model for Load, Unload and Container Storage in Ports, The 3rd Marine Techniqual Conferences, Tarbiat Modares University, 1996.
- 4) S. H. Zegordi, and N. Nahavandi, "Measuring Productivity Indexes and Efficiency in Ports and Shipping Organization", The 6 thIndustrial Engineering Conference, Sharif Technical University, 1998.
- 5) S. K. Chaharsooghi, and N. Nahavandi, "Determining Performance Measures in Flow Lines" The 2nd National Industrial Engineering Conference, Yazd University, Feb 2003.
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