



Farzad Firouzi Jahantigh Associate Professor

Faculty : Engineering

Departments : Industrial Engineering

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Address : Dept.of Industrial Engineering, Faculty of Engineering,
University of Sistan and Baluchestan, Daneshgah Ave., Zahedan,
Iran.

Education

- ✓ PhD, Industrial Engineering, Tarbiat Modares University - 2014

Courses

1. Principles simulations
2. Planned industrial
3. Production methods
4. Queuing systems
5. Statistical Methods
6. theory systems (IE5002)

Master Thesis

Journals Papers

2021

1. [for the inventory control problem of operating rooms in an educational hospital with Intelligent demands using a variable neighborhood search method](#)

Farzad Firouzi Jahantigh, Moazame Amiri domari

Journal of Research and Health Volume: (6) 25 - 31

2020

2. [Diagnosis of Pulmonary Tuberculosis Using Artificial Intelligence \(Naive Bayes Algorithm\)](#)

Nastaran Abbasi hasan abadi, Farzad Firouzi Jahantigh, tabarsi payam

Volume: (13) 1 - 10

3. [Application of a Hybrid Method for Performance Evaluation of Teaching Hospitals in Tehran](#)

Farzad Firouzi Jahantigh, Maryam Ostovare

Quality Management in Health Care Volume: (29) 210 - 217

2019

4. [A conceptual framework for business intelligence critical success factors](#)

Farzad Firouzi Jahantigh, Arash Habibi, Azam Sarafrazi

International Journal of Business Information Systems Volume: (30) 109 - 123

5. [Evaluation of healthcare service quality management in an Iranian hospital by using fuzzy logic](#)

Farzad Firouzi Jahantigh

International Journal of Productivity and Quality Management Volume: (26) 160 - 176

6. [Reducing demand uncertainty in platelet supply chain through artificial neural networks and ARIMA models](#)

Bahare Fanoodi, Behnam Malmir, Farzad Firouzi Jahantigh

COMPUTERS IN BIOLOGY AND MEDICINE Volume: (113) 103415 -

7. [Comparing Mixed-Integer and Constraint Programming for the No-Wait Flow Shop Problem with Due Date Constraints](#)

Hamed Samarghandi, Farzad Firouzi Jahantigh

journal of quality engineering and production optimization Volume: (4) 17 - 24

8. [Analyzing the sequence and interrelations of Natech disasters in Urban areas using interpretive structural modelling \(ISM\)](#)

Farzad Firouzi Jahantigh, Forozandeh Jannat

International Journal of Disaster Resilience in the Built Environment Volume: (10) 392 - 407

2018

9. A Demand Forecasting Model for the Blood Platelet Supply Chain with Artificial Neural Network Approach and Arima Models

Farzad Firouzi Jahantigh, Bahare Fanoodi,

Volume: (14) 335 - 345

10. Using the knowledge base and fuzzy inference system to estimate the safety factor in calculating the number of the kanban cards

Farzad Firouzi Jahantigh, Ali Noroozian, Ali Daneshi

International Journal of Industrial and Systems Engineering Volume: (28) 275 - 287

11. Diagnosis of periodontal disease using the Lewenberg Marquardt algorithm

Farzad Firouzi Jahantigh, Samin Arbabi,

Volume: (14) 213 - 221

12. Presenting a Model for Periodontal Disease Diagnosis Using Two Artificial Neural Network Algorithms

Samin Arbabi, Farzad Firouzi Jahantigh, Somayeh Ansari Moghadam

Health Scope Volume: (7) 1 -e65330 - 6

13. Location of the Aerial Ambulances Using Combination of Fuzzy ANP and Fuzzy Dematel in the Environment of ArcGIS : A Case study in Sistan and Baluchestan province

Farzad Firouzi Jahantigh,

Volume: (17) 33 - 47

14. Crisis management model using fuzzy cognitive map

Farzad Firouzi Jahantigh, Ehsan Khanmohammadi, Azam Sarafrazi

International Journal of Business Excellence Volume: (16) 177 - 198

15. Providing a decision-making model for continuous monitoring of patient's hypertension using artificial neural network and quality control charts

Farzad Firouzi Jahantigh, Atefeh Batani

Volume: (25) 46 - 57

2017

16. A Model to Improve the Allocation of Hospital Resources Using Queuing Theory

Farzad Firouzi Jahantigh,

Volume: (5) 19 - 28

17. [A model for predicting peritoneal dialysis patients' survival, using data mining algorithms](#)

Farzad Firouzi Jahantigh, , Maryam Ostovare

Volume: (75) 752 - 760

18. [Performance Evaluation Of Hospitals Affiliated To Tehran University Of Medical Sciences Using A Hybrid Model Of Data Envelopment Analysis And PROMETHEE Method](#)

Farzad Firouzi Jahantigh, Maryam Ostovare

Volume: (14) 140 - 152

19. [A computer-aided diagnostic system for kidney disease](#)

Farzad Firouzi Jahantigh, Behnam Malmir, Behzad Aslani Avilaq

Kidney Research and Clinical Practice Volume: (36) 29 - 38

20. [Using genetic algorithm to optimization neural network architecture in predicting oil prices \(GADDN\)](#)

Farzad Firouzi Jahantigh,

Volume: (5) 97 - 122

21. [Economic risk assessment of EPC projects using fuzzy TOPSIS approach](#)

Farzad Firouzi Jahantigh, Behnam Malmir, Behzad Aslani Avilaq

International Journal of Industrial and Systems Engineering Volume: (27) 161 - 179

2016

22. [Discovering hidden patterns available in data of patients with tuberculosis](#)

Farzad Firouzi Jahantigh, ,

Volume: (23) 99 - 109

23. [Evaluation of Important Factors in Identifying Asymptomatic Carotid Artery Stenosis in order to Prevent Stroke by Using Data Mining Tools](#)

Farzad Firouzi Jahantigh, raziye alizadeh

Volume: (4) 1 - 9

24. [The Correlation of Patients' Satisfaction with Service Quality: Presenting a Model Using Structural Equation Modeling](#)

Farzad Firouzi Jahantigh, atiyeh aghajannezhad

Volume: (6) 49 - 57

25. [The investigation and identification of risk factors for the low weight of infants at birth, using data mining techniques](#)

Farzad Firouzi Jahantigh, raheleh nazarneshed, m firozijahantigh

Volume: (25) 169 - 180

26. Bi-objective Economic statistical design of the joint Xbar and S charts incorporating Taguchi loss function

Abdul Sattar Safaeia, Farzad Firouzi Jahantigh

Journal of Industrial and Systems Engineering Volume: (9) 1 - 16

27. An integrated approach for prioritizing the strategic objectives of balanced scorecard under uncertainty

Farzad Firouzi Jahantigh, Behnam Malmir, Behzad Aslani Avilaq

NEURAL COMPUTING and APPLICATIONS Volume: (29) 227 - 236

28. Bi-objective Economic statistical design of the joint Xbar and S charts incorporating Taguchi loss function

, Farzad Firouzi Jahantigh

International Journal of Industrial and Systems Engineering Volume: (9) 1 - 16

29. Investigating the Risk Factors for Low Birth Weight Using Data Mining: A Case Study of Imam Ali Hospital, Zahedan, Iran

Farzad Firouzi Jahantigh, Rahele Nazarnejad, Mahrokh Firouzi Jahantigh

Volume: (25) 171 - 182

2015

30. Quality Management of Medical Equipment Hospital Supply Chain Based on Game Theory

Farzad Firouzi Jahantigh,

Volume: (17) 68 - 78

31. Fuzzy Delphi Technique for Forecasting and Screening the Items

Farzad Firouzi Jahantigh

Asian Journal of Research in Business Economics and Management Volume: () -

32. The Investigation of TB Patients Features with K-Means Clustering

Farzad Firouzi Jahantigh, hakime aameri

Volume: (2) 149 - 159

2014

33. The Role of IT in the Improvement of Supply

Farzad Firouzi Jahantigh

Studies in System Science Volume: (11) 59 - 62

34. Ranking of factors influencing customer satisfaction in telecommunications industry employing AHP

Farzad Firouzi Jahantigh

Applied Mathematics in Engineering Management and Technology Volume: (1) 21 - 30

2012

35. Design and Analysis of a Health Care Supply Chain Management

Kazemzadeh Reza, Mohammad mehdi Sepehri, Farzad Firouzi Jahantigh

Advanced Materials Research Volume: (440) 2128 - 2134

36. Female Entrepreneurship Challenges in Iran s Co-operative Sector

Reza Jamali, Farzad Firouzi Jahantigh, Azam Sazvar, Nosratollah Maleki

Advanced Materials Research Volume: (440) 2226 - 2229

2010

37. A particle swarm optimization for the single row facility layout problem

Hamed Samarghandi, Pouria Taabayan, Farzad Firouzi Jahantigh

COMPUTERS and INDUSTRIAL ENGINEERING Volume: (58) 529 - 534

38. A fuzzy modeling for single machine scheduling problem with deteriorating jobs

Mohammad Mahavi Mazdeh, Farzad Zaerpour, Farzad Firouzi Jahantigh

international journal of industrial engineering computations Volume: (1) 147 - 156

Conferences Papers

2019

1. Application of Data Mining for Exploring Hidden Patterns in Tuberculosis Patients

International Conference on Industrial Engineering and Operations Management

Farzad Firouzi Jahantigh, Maryam Ostovare

2018

2. An Engineering Model for Healthcare Devices to Control, Detect, and Diagnose Medical Errors

8 the International Conference on Industrial Engineering and Operations Management

Farzad Firouzi Jahantigh, Atefeh Batani

3. The use of artificial intelligence techniques for the Diagnosis of periodontal disease by clinical indices

8the International Conference on Industrial Engineering and Operations Management

Farzad Firouzi Jahantigh,

2017

4. Providing the Material Requirements Planning Model in the Operating Room Case Study: Cardiac Operating Room of Imam Ali Hospital of Zahedan City"

Kuala Lumpur 25th International Conference on "Medical, Medicine and Health Sciences" (MMHS- 2017 Kuala Lumpur, Malaysia) January 17-18, 2017 Kuala Lumpur, Malaysia

Farzad Firouzi Jahantigh

5. Codification Domestic and International Tourism Development Strategies of Ocean Coast of Iran

The Seventh International Conference on Industrial Engineering and Operations Management

Farzad Firouzi Jahantigh, janat forzandeh

6. strategic planning of human resources at Tehran university of sciences Hospitals

The 9th International Hospital Management Conference

, ali ardalani, Farzad Firouzi Jahantigh

2016

7. Study of the TB patients' features using Data mining method

12th International Conference on Industrial Engineering (ICIE 2016)

Farzad Firouzi Jahantigh, h a

8. Development of a model to improve the resource allocation hospital use of queuing theory:

"12th International Conference on Industrial Engineering "

Farzad Firouzi Jahantigh,

9. Knowledge extraction from TB patients- A hybrid model with clustering and decision tree

Proceedings of the 2016 International Conference on Industrial Engineering and Operations Management

Farzad Firouzi Jahantigh, Hakimeh ameri

10. A New Model for Supply Chain Quality Management of Hospital Medical Equipment through Game Theory

6th International Conference on Information Systems, Logistics and Supply Chain ILS Conference 2016

Behnam Malmir, , Farzad Firouzi Jahantigh, Mohammad Najjartabar

11. A Hybrid Genetic Algorithm for Solving Facility Location-Allocation Problem

Proceedings of the 2016 International Conference on Industrial Engineering and Operations Management

Farzad Firouzi Jahantigh, Behnam Malmir

2015

12. Queuing theory models section health care a case study of Imam Ali

The 11th International Industrial Engineering Conference

Farzad Firouzi Jahantigh, Mahsa Manouri

13. Comparing Mixed Integer and Constraint Programming for the No-Wait Flow Shop Problem with Due Date Constraints

The 11th International Industrial Engineering Conference

Hamed Samarghandi, Farzad Firouzi Jahantigh

14. Kidney Diseases Diagnosis by Using Fuzzy Logic

Proceedings of the 2015 International Conference on Industrial Engineering and Operations Management

Farzad Firouzi Jahantigh

15. Ranking of factors influencing customer satisfaction in telecommunications industry employing AHP

Fifth International Conference on Industrial Engineering and Operations Management (IEOM)

Farzad Firouzi Jahantigh, masomeh neshat

16. Solving the no-wait flow shop problem with due date constraints

Fifth International Conference on Industrial Engineering and Operations Management (IEOM)

, Farzad Firouzi Jahantigh

2014

17. Assessment of service quality within the Health care industry

Tenth International Industrial Engineering Conference January 2014

Farzad Firouzi Jahantigh, Reza Baradaran Kazemzadeh, Hossein Gitinavard