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Education Information

Doctorate, Arizona State University, Endüstri Mühendisliği, United States Of America 1985 - 1990

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 1992 - Continues

Advising Theses

ÖZDEMİREL N. E. , İYİGÜN C., Optimization Approaches for Classification and Feature Selection Using Overlapping Hyperboxes, Doctorate, D.AKBULUT(Student), 2019

ÖZDEMİREL N. E. , İYİGÜN C., Neighborhood construction-based multi-objective evolutionary clustering algorithm with feature selection, Post Graduate, C.ALAKUŞ(Student), 2018

ÖZDEMİREL N. E. , Systems engineering process modeling and simulation, Post Graduate, M.ARIKAN(Student), 2012

ÖZDEMİREL N. E. , A methodology of swarm intelligence application in clustering based on neighborhood construction, Doctorate, T.İNKAYA(Student), 2011

KARASAKAL E., ÖZDEMİREL N. E. , An interactive preference based evolutionary algorithm for the clustering problem, Post Graduate, K.DEMİRTAŞ(Student), 2011

ÖZDEMİREL N. E. , A conwip application in an electronics company, Post Graduate, E.GÜNGÖRER(Student), 2010

ÖZDEMİREL N. E. , Mining association rules for quality related data in an electronics company, Post Graduate, Y.KILINÇ(Student), 2009

ÖZDEMİREL N. E. , Energy efficient coverage and connectivity problem in wireless sensor networks, Post Graduate, M.GÖKÇE(Student), 2008

ÖZDEMİREL N. E. , Material flow cost versus congestion in dynamic distributed facility layout problem, Post Graduate, A.ÖZEN(Student), 2008

ÖZDEMİREL N. E. , Weapon-target allocation and scheduling for air defense with time varying hit probabilities, Post Graduate, T.GÜLEZ(Student), 2007

ÖZDEMİREL N. E. , SÜRAL H., A genetic algorithm for TSP with backhauls based on conventional heuristics, Post Graduate, İ.ÖNDER(Student), 2007

ÖZDEMİREL N. E. , Single shot hit probability computation for air defense based on error analysis, Post Graduate, İ.YÜKSEL(Student), 2007

ÖZDEMİREL N. E. , Profit oriented disassembly line balancing, Doctorate, F.TEVHİDE(Student), 2005

ÖZDEMİREL N. E. , Evolutionary algorithms for deterministic and stochastic unconstrained function optimization, Post Graduate, T.KEREM(Student), 2004

ÖZDEMİREL N. E. , Discrete-time stochastic analysis of land combat, Post Graduate, U.ELİİYİ(Student), 2004

AZİZOĞLU M., ÖZDEMİREL N. E. , Assembly line balancing with task paralleling, Post Graduate, Ö.KAPLAN(Student), 2004

ÖZDEMİREL N. E. , Optimal air defense strategies for a naval task group, Doctorate, O.KARASAKAL(Student), 2004

ÖZDEMİR N. E. , SÜRAL H., An evolutionary approach to TSP: Crossover with conventional heuristics, Post Graduate, M.SÖNMEZ(Student), 2003

ÖZDEMİR N. E. , Semi-dynamic modeling of tactical level land combat, Doctorate, H.AYGÜNEŞ(Student), 2003

ÖZDEMİR N. E. , Manufacturing lead time estimation in a make-to-order environment using a data mining approach, Post Graduate, A.ÖZTÜRK(Student), 2002

ÖZDEMİR N. E. , A Genetic algorithm for allocating units in land combat, Post Graduate, E.ERDEM(Student), 2001

ÖZDEMİR N. E. , A Monte-Carlo simulation for land combat, Post Graduate, O.ŞEREF(Student), 2001

ÖZDEMİR N. E. , An Evolutionary approach for the single agv routing problem, Post Graduate, B.TULU(Student), 2000

ÖZDEMİR N. E. , Experimental investigation of MRP and PBC in a flexible manufacturing cell with an automated storage and retrieval system, Post Graduate, E.DÜŞMEZ(Student), 1999

ÖZDEMİR N. E. , Collision avoidance in static and dynamic multiple AGV routing, Post Graduate, A.AHMET(Student), 1999

ÖZDEMİR N. E. , Self-organizing neural network approach for the single AGV routine problem, Post Graduate, M.SOYLU(Student), 1997

ÖZDEMİR N. E. , An Experimental study of capacity expansion and sequencing alternatives for a flat rolled metal producer, Post Graduate, M.MURAT(Student), 1997

ÖZDEMİR N. E. , Analysis of control policies applied to an automated storage and retrieval system, Post Graduate, E.BEKİROĞLU(Student), 1997

ÖZDEMİR N. E. , Quality information system design for a hospital with focus on policy deployment, Post Graduate, E.TÜMGÜÇ(Student), 1997

ÖZDEMİR N. E. , Experimental investigation of two shared storage assignment policies in As/rs under continuous review (Q, r) inventory policy, Post Graduate, Ş.KÜLTÜREL(Student), 1996

ÖZDEMİR N. E. , An Evolutionary approach to the simple vehicle routing problem, Post Graduate, H.DEMİRER(Student), 1995

ÖZDEMİR N. E. , A Simulation experiment for evaluating production policies in a manufacturing and assembly system, Post Graduate, B.LEVENT(Student), 1995

ÖZDEMİR N. E. , Simulating autocontrol as a quality control mechanism in a manufacturing system, Post Graduate, Ö.ALİ(Student), 1995

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Centroid based Tree-Structured Data Clustering Using Vertex/Edge Overlap and Graph Edit Distance**
DİNLER D., TURAL M. K. , ÖZDEMİR N. E.
ANNALS OF OPERATIONS RESEARCH, vol.289, pp.85-122, 2020 (Journal Indexed in SCI)
- **Extracting the Boundaries of Clusters: A Post-Clustering Tool for Spatial Datasets**
İNKAYA T., Kayaligil S., ÖZDEMİR N. E.
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- **A genetic algorithm for the uncapacitated single allocation planar hub location problem**
Damgacioglu H., DİNLER D., ÖZDEMİR N. E. , İYĞÜN C.
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- **Ant Colony Optimization based clustering methodology**
İNKAYA T., Kayaligil S., ÖZDEMİR N. E.
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- **An adaptive neighbourhood construction algorithm based on density and connectivity**
İNKAYA T., Kayaligil S., ÖZDEMİR N. E.
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- **A Branch and Bound Algorithm for Sector Allocation of a Naval Task Group**
Karasakal O., KANDİLLER L., ÖZDEMİR N. E.
NAVAL RESEARCH LOGISTICS, vol.58, pp.655-669, 2011 (Journal Indexed in SCI)
- **Anti-Ship Missile Defense for a Naval Task Group**
Karasakal O., ÖZDEMİR N. E. , KANDİLLER L.
NAVAL RESEARCH LOGISTICS, vol.58, pp.305-322, 2011 (Journal Indexed in SCI)

- **Assembly line balancing with station paralleling**
Ege Y., AZİZOĞLU M., ÖZDEMİREL N. E.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.57, pp.1218-1225, 2009 (Journal Indexed in SCI)
- **Profit-oriented disassembly-line balancing**
ALTEKİN F. T. , Kandiller L., ÖZDEMİREL N. E.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.46, pp.2675-2693, 2008 (Journal Indexed in SCI)
- **Manufacturing lead time estimation using data mining**
Ozturk A., Kayaligil S., Ozdemirel N. E.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.173, pp.683-700, 2006 (Journal Indexed in SCI)
- **Semi-dynamic modelling of heterogeneous land combat**
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- **A team performance measurement model for continuous improvement**
Cicek M., Koksal G., Ozdemirel N.
TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, vol.16, pp.331-349, 2005 (Journal Indexed in SSCI)
- **An evolutionary approach for the target allocation problem**
Erdem E., Ozdemirel N.
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- **A self-organizing neural network approach for the single AGV routing problem**
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- **Simulation of capacity expansion and sequencing alternatives for a sheet metal producer**
Arer M., Ozdemirel N.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.50, pp.596-607, 1999 (Journal Indexed in SCI)
- **Computer-aided planning and design of manufacturing simulation experiments**
Ozdemirel N., Yurttas G., Koksal G.
SIMULATION, vol.67, pp.171-191, 1996 (Journal Indexed in SCI)
- **A GENERIC SIMULATION MODULE ARCHITECTURE BASED ON CLUSTERING GROUP TECHNOLOGY MODEL CODINGS**
OZDEMİREL N., MACKULAK G.
SIMULATION, vol.60, pp.421-433, 1993 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Clustering of Tree-Structured Data Objects**
DİNLER D., TURAL M. K. , ÖZDEMİREL N. E.
10th International Statistics Congress (ISC2017), 6 - 08 December 2017
- **Kapasite Kısıtlı Merkez Secimi Problemi icin Genetik Algoritma**
EROĞLU D. İ. , PAMUKÇU D., İYGÜN C., ÖZDEMİREL N. E.
37. YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, Turkey, 5 - 07 July 2017
- **Defect Cause Modeling with Decision Tree and Regression Analysis**
BAKIR B. S. , BATMAZ İ. , Gunturkun F. A. , Ipekci T. A. , KÖKSAL G., ÖZDEMİREL N. E.
Conference of the World-Academy-of-Science-Engineering-and-Technology, Cairo, Egypt, 8 - 10 December 2006, vol.17, pp.266-268
- **Disassembly line balancing with limited supply and subassembly availability**
Altekin F., Kandiller L., Ozdemirel N.
3rd International Conference on Environmentally Conscious Manufacturing, Rhode-Island, United States Of America, 29 - 30 October 2003, vol.5262, pp.59-70
- **Semi-dynamic modeling of tactical level land combat**
Ozdemirel N., Kandiller L., Vardar C., Bayindir Z.
15th European Simulation Multiconference (ESM 2001), PRAGUE, Czech Republic, 6 - 09 June 2001, pp.195-202

- **A PROTOTYPE KNOWLEDGE BASED SYSTEM FOR DESIGNING MANUFACTURING SIMULATION EXPERIMENTS**

YURTTAS G., OZDEMIREL N.

1994 Summer Computer Simulation Conference (SCSC 94), California, United States Of America, 18 - 20 July 1994, pp.567-572

Citations

Total Citations (WOS):327

h-index (WOS):9