

Assoc. Prof. Alper Hamzadayı

Personal Information

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Education Information

Post Doctorate, University of Southampton, Business School (Logistic Management), United Kingdom 2017 - 2018

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2010 - 2014

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2007 - 2010

Undergraduate, Balıkesir University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Foreign Language, YYÜ Öğretim Elemanlarının İngilizceye Dayalı Araştırma Altyapılarının Geliştirilmesi, Swan Training Institute, Dublin, İrlanda, 2016

Dissertations

Doctorate, Simulation based optimization using simulated annealing for dynamic scheduling of parallel machines with a common server, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2014

Postgraduate, A genetic algorithm based approach for simultaneously solving U-shape mixed-model assembly line balancing and sequencing problem, Dokuz Eylul University, Endüstri Mühendisliği, Endüstri Mühendisliği, 2010

Research Areas

Industrial Engineering , Engineering and Technology

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2021 - Continues

Assistant Professor, Van Yüzüncü Yil University, Endüstri Mühendisliği, 2018 - 2021

Assistant Professor, Van Yüzüncü Yil University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, 2015 - 2018

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2007 - 2015

Research Assistant, Van Yüzüncü Yil University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, 2005 - 2007

Academic and Administrative Experience

Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2018 - Continues
Van Yüzüncü Yil University, Mühendislik Fakültesi, 2018 - Continues
Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2018 - Continues
Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2018 - Continues

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

- I. **An effective benders decomposition algorithm for solving the distributed permutation flowshop scheduling problem**
Hamzadayı A.
COMPUTERS & OPERATIONS RESEARCH, vol.123, 2020 (Journal Indexed in SCI)
- II. **Solving combinatorial optimization problems with single seekers society algorithm**
Hamzadayı A., Baykasoglu A., Akpinar S.
KNOWLEDGE-BASED SYSTEMS, vol.201, 2020 (Journal Indexed in SCI)
- III. **Greedy randomized adaptive search for dynamic flexible job-shop scheduling**
Baykasoglu A., Madenoğlu F. S. , Hamzadayı A.
Journal Of Manufacturing Systems, vol.56, pp.425-451, 2020 (Journal Indexed in SCI Expanded)
- IV. **Benders decomposition for the mixed no-idle permutation flowshop scheduling problem**
Bektas T., Hamzadayı A., Ruiz R.
JOURNAL OF SCHEDULING, 2020 (Journal Indexed in SCI)
- V. **Single Seekers Society (SSS): Bringing together heuristic optimization algorithms for solving complex problems**
Baykasoglu A., Hamzadayı A., Akpinar S.
KNOWLEDGE-BASED SYSTEMS, vol.165, pp.53-76, 2019 (Journal Indexed in SCI)
- VI. **Modeling and solving static m identical parallel machines scheduling problem with a common server and sequence dependent setup times**
Hamzadayı A., Yildiz G.
Computers and Industrial Engineering, vol.106, pp.287-298, 2017 (Journal Indexed in SCI)
- VII. **Hybrid strategy based complete rescheduling approaches for dynamic m identical parallel machines scheduling problem with a common server**
Hamzadayı A., Yildiz G.
SIMULATION MODELLING PRACTICE AND THEORY, vol.63, pp.104-132, 2016 (Journal Indexed in SCI)
- VIII. **Event driven strategy based complete rescheduling approaches for dynamic m identical parallel machines scheduling problem with a common server**
Hamzadayı A., Yildiz G.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.91, pp.66-84, 2016 (Journal Indexed in SCI)
- IX. **Testing the performance of teaching-learning based optimization (TLBO) algorithm on combinatorial problems: Flow shop and job shop scheduling cases**
Baykasoglu A., Hamzadayı A., Kose S. Y.
INFORMATION SCIENCES, vol.276, pp.204-218, 2014 (Journal Indexed in SCI)
- X. **A simulated annealing algorithm based approach for balancing and sequencing of mixed-model U-lines**
Hamzadayı A., Yildiz G.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.66, no.4, pp.1070-1084, 2013 (Journal Indexed in SCI)
- XI. **Nested simulated annealing approach to periodic routing problem of a retail distribution system**
Hamzadayı A., Topaloglu S., Kose S. Y.
COMPUTERS & OPERATIONS RESEARCH, vol.40, no.12, pp.2893-2905, 2013 (Journal Indexed in SCI)
- XII. **A genetic algorithm based approach for simultaneously balancing and sequencing of mixed-model U-lines with parallel workstations and zoning constraints**
Hamzadayı A., Yildiz G.

Articles Published in Other Journals

- I. **A simulated annealing approach based simulation -optimisation to the dynamic job-shop scheduling problem**
SEL Ç., Hamzadayı A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.4, pp.665-674, 2018 (Journal Indexed in ESCI)
- II. **Balancing of mixed-model two-sided assembly lines using teaching-learning based optimization algorithm**
Hamzadayı A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.4, pp.682-691, 2018 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Hybrid Metaheuristic Approach for Solving Vehicle Routing Problem with Mixed Pickup and Delivery**
Hamzadayı A., Baykasoğlu A., Akpınar Ş.
International Conference on Data Science, Machine Learning and Statistics - 2019 (DMS-2019), Van, Turkey, 26 - 29 June 2019, pp.70-72
- II. **Delayed Constraint Generation for the Type-II Assembly Line Balancing Problem**
Hamzadayı A., Bektaş T.
International Conference on Data Science, Machine Learning and Statistics - 2019 (DMS-2019), Van, Turkey, 26 - 29 June 2019, pp.55-57
- III. **Vehicle routing problem with simultaneous pickups and deliveries**
Hamzadayı A., Sel Ç.
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017, pp.310-311
- IV. **Scheduling the Unrelated Parallel Machines with a Common Server**
Sel Ç., Hamzadayı A., Elmi A.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapeşte, Hungary, 3 - 07 May 2017, pp.1-4
- V. **Açgözlü Rastsallastırılmış Uyarlamalı Arama Algoritmasının Farklı Yerel Arama Yapılarıyla Akis Tipi Çizelgeleme Problemlerine Uygulanması**
BAYKASOGLU A., Madenoğlu F. S. , Hamzadayı A., Gölcük İ.
ASYU: Akıllı Sistemlerde Yenilikler ve Uygulamaları, İzmir, Turkey, 9 - 10 October 2014, pp.50
- VI. **Farklı Yaklaşımlar Kullanılarak Atölyelerin Dinamik Olarak Çizelgelenmesi Probleminin Çözümü**
BAYKASOGLU A., Hamzadayı A., Madenoğlu F. S.
14. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 3 - 05 September 2014, pp.347-356
- VII. **GRASP Based Algorithm for Dynamic Job-Shop Scheduling with Sequence Dependent Setup Times**
Madenoglu F. S. , BAYKASOGLU A., Hamzadayı A.
IFORS, Barcelona, Spain, 13 - 18 July 2014, pp.155-156
- VIII. **Simulation-Based Scenario Analysis in a Kanban Controlled Pull Production System**
KOSE S. Y. , Hamzadayı A., YILDIZ G.
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013, pp.147
- IX. **Analyzing Multi-server Queuing Model with no Waiting Line**
İşgüder H. O. , Akpınar Ş., Elmi A., Hamzadayı A., KOSE S. Y.

25th European Conference on Operation Research, Vilnius, Lithuania, 8 - 11 July 2012, pp.233

- X. **Multi- Criteria Comparison of Catering Service Companies Using Grey Relational Analysis: The Case of Turkey**
Hamzadayı A., KOSE S. Y. , Akpınar Ş., Elmi A., İsgüder H. O.
25th European Conference on Operation Research, Vilnius, Lithuania, 8 - 11 July 2012, pp.81
- XI. **A Dynamic Scheduling Approach for Solving the Single Machine Total Weighted Tardiness Problem**
Akpınar Ş., Hamzadayı A., KOSE S. Y. , İsgüder H. O. , Elmi A.
25th European Conference on Operation Research, Vilnius, Lithuania, 8 - 11 July 2012, pp.45
- XII. **MILP Model for the Parallel Machine Scheduling Problem with Sequence Dependent Setup Times and a Single Server**
Elmi A., KOSE S. Y. , İsgüder H. O. , Akpınar Ş., Hamzadayı A.
13th International Conference on Econometrics, Gazimagusa, Cyprus (Kkct), 24 - 26 May 2012, pp.65
- XIII. **A Hybrid Differential Evolution with Simulated Annealing Algorithm for Flow Shop Scheduling**
KOSE S. Y. , Elmi A., İsgüder H. O. , Akpınar Ş., Hamzadayı A.
13th International Conference on Econometrics, Gazimagusa, Cyprus (Kkct), 24 - 26 May 2012, pp.87
- XIV. **Nested Simulated Annealing Approach to the Multi-period Vehicle Routing Problem of a Retail Distribution System**
TOPALOGLU S., Hamzadayı A., KOSE S. Y.
9th International Logistics and Supply Chain Congress, İzmir, Turkey, 27 - 29 November 2011, pp.371-377
- XV. **A n Integer Linear Programming Model for Group Scheduling in Hybrid Flow Shop**
Hamzadayı A., Elmi A., Akpınar Ş., Elmi A.
4th International Conerence of Iranian Operations Research Society, Rasht, Iran, 18 - 19 May 2011, pp.707-708
- XVI. **A Tabu Search Approach for the Flow Shop Scheduling Problem**
Elmi A., Hamzadayı A., Akpınar Ş., Elmi A.
4th International Conerence of Iranian Operations Research Society, Rasht, Iran, 18 - 19 May 2011, pp.538-539
- XVII. **Minimization of Total Tardiness on Unrelated Parallel Machines via Simulated Annealing**
Akpınar Ş., Elmi A., Hamzadayı A.
4th International Conerence of Iranian Operations Research Society, University Of Guilan/Rasht, Iran, 18 - 19 May 2011, pp.536-537
- XVIII. **Portföy Seçiminde Genetik Algoritma ile Bulanık Hedef Programlama**
Hamzadayı A., TOPALOGLU S., Özdemir Ö.
YA/EM: Yöneylem Arastırması/Endüstri Mühendisliği 29. Ulusal Kongresi, Ankara, Turkey, 22 - 24 June 2009, pp.201-211

Supported Projects

Çelik H. E. , Uludağ F., Çavuş H., Şensoy S., Tanhan F., Hamzadayı A., Van M. H. , Canayaz M., Özdağ R., ÇELİK İ., et al.,
Project Supported by Higher Education Institutions, Uluslararası Veri Bilimi Makine Öğrenme ve İstatistik Konferansı
DMS2019, 2019 - 2019

Hamzadayı A., Project Supported by Higher Education Institutions, Van Gölünde Güncel Fluviyal Çökel Girdisi ve Gösel
Sedimentasyon İlişkisi, 2009 - 2013

Scientific Refereeing

Journal of Intelligent Manufacturing, SCI Journal, November 2019

Computers & Industrial Engineering, SCI Journal, November 2019

Computers & Industrial Engineering, SCI Journal, November 2019

Engineering Applications of Artificial Intelligence, SCI Journal, November 2019

Engineering Applications of Artificial Intelligence, SCI Journal, November 2019

Journal of Intelligent Manufacturing, SCI Journal, July 2019
Engineering Applications of Artificial Intelligence, SCI Journal, July 2019
INTERNATIONAL TRANSACTIONS IN OPERATIONAL RESEARCH, SCI Journal, July 2019
Engineering Applications of Artificial Intelligence, SCI Journal, July 2019
Engineering Applications of Artificial Intelligence, SCI Journal, July 2019
Computers & Industrial Engineering, SCI Journal, July 2019
INTERNATIONAL JOURNAL OF INTELLIGENT COMPUTING AND CYBERNETICS, Other Indexed Journal, July 2019
INTERNATIONAL JOURNAL OF INTELLIGENT COMPUTING AND CYBERNETICS, Other Indexed Journal, April 2019
Computers & Industrial Engineering, SCI Journal, March 2019
INTERNATIONAL JOURNAL OF INTELLIGENT COMPUTING AND CYBERNETICS, Other Indexed Journal, November 2018
COMPUTERS & INDUSTRIAL ENGINEERING, SCI Journal, October 2018
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, October 2018
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, July 2018
IEEE Transactions on Automation Science and Engineering, SCI Journal, July 2018
Journal of Intelligent & Fuzzy Systems, SCI Journal, July 2018
JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, July 2018
JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, May 2018
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, April 2018
COMPUTERS & INDUSTRIAL ENGINEERING, SCI Journal, March 2018
Pamukkale University Journal of Engineering Sciences, National Scientific Refreed Journal, March 2018
JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, March 2018
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, March 2018
JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, January 2018
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, January 2018
IEEE Transactions on Automation Science and Engineering, SCI Journal, January 2018
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, January 2018
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, December 2016
Computers&Industrial Engineering, SCI Journal, December 2016

Citations

Total Citations (WOS):204

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