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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri, Elektrik Eğitimi, Turkey 2005 - 2009

Postgraduate, Gazi University, Fen Bilimleri, Elektrik Eğitimi, Turkey 2002 - 2004

Undergraduate, Gazi University, Teknik Eğitim, Elektrik Eğitimi, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Editör ve Yazar 6. Eğitim Semineri, TÜBİTAK, 2015

Education Management and Planning, AKADEMİK DÜZEYDE ARAŞTIRMA PROJESİ HAZIRLAMA EĞİTİMİ, TÜBİTAK, 2014

IT, Nesne Yönelimli Programlama Prensipleri ve Tasarım Desenleri, BT Akademi, 2007

IT, İleri ASP.NET MVC, BT Akademi, 2006

Dissertations

Doctorate, Web-Tabanlı Uyarlanır Zeki Öğretim Sistemi Tasarımı Ve Uygulaması (Designing and Application of Web-Based Adaptive Intelligent Education System), Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi, 2009

Postgraduate, Otomatik Klima Tasarımı (Automatic Air Conditioner Control) , Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi, 2005

Research Areas

Computer Sciences, algorithms, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Software Engineering, Industrial Engineering , Optimization Theory and Methods, Heuristic Methods, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Of Teknoloji Fakültesi, Yazılım Mühendisliği, 2006 - Continues

Academic and Administrative Experience

Karadeniz Technical University, Teknoloji Fakültesi, Yazılım Mühendisliği, 2011 - Continues

Courses

Design Patterns, Postgraduate, 2021 - 2022

Design of Meta-heuristic Search Algorithms, Postgraduate, 2022 - 2023

Sezgisel Optimizasyon, Postgraduate, 2017 - 2018

Veri madenciliği, Undergraduate, 2016 - 2017

Yapay Zeka ve Uygulamaları, Undergraduate, 2015 - 2016

Yapay Zeka ve Uygulamaları, Postgraduate, 2015 - 2016

Bilgisayar Programlama, Undergraduate, 2014 - 2015, 2013 - 2014

Jury Memberships

Doctorate, Doktora Tez Savunma (Salih SÖYLER), Gazi Üniversitesi, May, 2018

Doctorate, Doktora Tez Savunma Jurisi, Gazi Üniversitesi, April, 2018

Doctorate, Doktora Tez Savunma Jurisi, Gazi Üniversitesi, March, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Detection of melanoma with hybrid learning method by removing hair from dermoscopic images using image processing techniques and wavelet transform**
SUIÇMEZ Ç., Tolga Kahraman H. T., Suiçmez A., YILMAZ C., BALCI F.
Biomedical Signal Processing and Control, vol.84, 2023 (SCI-Expanded)
- II. **Development of the Natural Survivor Method (NSM) for designing an updating mechanism in metaheuristic search algorithms**
Kahraman H. T., Kati M., Aras S., Taşçı D. A.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.122, no.106121, pp.1-25, 2023 (SCI-Expanded)
- III. **Economical operation of modern power grids incorporating uncertainties of renewable energy sources and load demand using the adaptive fitness-distance balance-based stochastic fractal search algorithm**
Duman S., Kahraman H. T., Kati M.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.117, 2023 (SCI-Expanded)
- IV. **Optimal operation and planning of hybrid AC/DC power systems using multi-objective grasshopper optimization algorithm**
Bakir H., Guvenc U., KAHRAMAN H. T.
NEURAL COMPUTING & APPLICATIONS, vol.34, no.24, pp.22531-22563, 2022 (SCI-Expanded)
- V. **Unified space approach-based Dynamic Switched Crowding (DSC): A new method for designing Pareto-based multi/many-objective algorithms**
Kahraman H. T., Akbel M., Duman S., Kati M., Sayan H. H.
SWARM AND EVOLUTIONARY COMPUTATION, vol.75, 2022 (SCI-Expanded)
- VI. **A comprehensive performance analysis of meta-heuristic optimization techniques for effective**

organic rankine cycle design

Gürgen S., Kahraman H. T., Aras S., Altın İ.

APPLIED THERMAL ENGINEERING, vol.213, 2022 (SCI-Expanded)

- VII. **Fitness-distance balance based artificial ecosystem optimisation to solve transient stability constrained optimal power flow problem**
Sonmez Y., Duman S., Kahraman H. T., Kati M., Aras S., Guvenc U.
JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, vol.1, no.1, pp.1-40, 2022 (SCI-Expanded)
- VIII. **Improved Lévy flight distribution algorithm with FDB-based guiding mechanism for AVR system optimal design**
Bakir H., Guvenc U., Tolga Kahraman H. T., Duman S.
Computers and Industrial Engineering, vol.168, 2022 (SCI-Expanded)
- IX. **A powerful meta-heuristic search algorithm for solving global optimization and real-world solar photovoltaic parameter estimation problems**
Duman S., KAHRAMAN H. T., SÖNMEZ Y., Guvenc U., Kati M., ARAS S.
Engineering Applications of Artificial Intelligence, vol.111, 2022 (SCI-Expanded)
- X. **Dynamic FDB selection method and its application: modeling and optimizing of directional overcurrent relays coordination**
KAHRAMAN H. T., Bakir H., Duman S., Kati M., ARAS S., Guvenc U.
APPLIED INTELLIGENCE, vol.52, no.5, pp.4873-4908, 2022 (SCI-Expanded)
- XI. **Optimization of Optimal Power Flow Problem Using Multi-Objective Manta Ray Foraging Optimizer**
KAHRAMAN H. T., Akbel M., Duman S.
Applied Soft Computing, vol.116, 2022 (SCI-Expanded)
- XII. **A supply chain network design for blood and its products using genetic algorithm: A case study of Turkey**
Agac G., Baki B., Ar I. M., Kahraman H. T.
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, vol.0, no.0, pp.1-25, 2022 (SCI-Expanded)
- XIII. **Development of the Multi-Objective Adaptive Guided Differential Evolution and optimization of the MO-ACOPF for wind/PV/tidal energy sources**
Duman S., Akbel M., KAHRAMAN H. T.
Applied Soft Computing, vol.112, 2021 (SCI-Expanded)
- XIV. **Fitness-Distance Balance based adaptive guided differential evolution algorithm for security-constrained optimal power flow problem incorporating renewable energy sources**
Guvenc U., Duman S., KAHRAMAN H. T., ARAS S., Kati M.
Applied Soft Computing, vol.108, 2021 (SCI-Expanded)
- XV. **Development of a Lévy flight and FDB-based coyote optimization algorithm for global optimization and real-world ACOPF problems**
Duman S., KAHRAMAN H. T., Guvenc U., ARAS S.
Soft Computing, vol.25, pp.6577-6617, 2021 (SCI-Expanded)
- XVI. **A novel stochastic fractal search algorithm with fitness-Distance balance for global numerical optimization**
ARAS S., GEDİKLİ E., KAHRAMAN H. T.
Swarm and Evolutionary Computation, vol.61, 2021 (SCI-Expanded)
- XVII. **Fitness-distance balance (FDB): A new selection method for meta-heuristic search algorithms**
Kahraman H. T., Aras S., Gedikli E.
KNOWLEDGE-BASED SYSTEMS, vol.190, 2020 (SCI-Expanded)
- XVIII. **Symbiotic organisms search algorithm for economic load dispatch problem with valve-point effect**
Guvenc U., Dumana S., Sonmez Y., KAHRAMAN H. T., Dosoglu M. K.
SCIENTIA IRANICA, vol.25, no.6, pp.3490-3506, 2018 (SCI-Expanded)
- XIX. **Symbiotic organisms search optimization algorithm for economic/emission dispatch problem in power systems**

- Dosoglu M. K., Guvenc U., Duman S., Sonmez Y., KAHRAMAN H. T.
NEURAL COMPUTING & APPLICATIONS, vol.29, no.3, pp.721-737, 2018 (SCI-Expanded)
- XX. **Passive Mine Detection and Classification Method Based on Hybrid Model**
Yilmaz C., KAHRAMAN H. T., Soyler S.
IEEE ACCESS, vol.6, pp.47870-47888, 2018 (SCI-Expanded)
- XXI. **Symbiotic organisms search algorithm for dynamic economic dispatch with valve-point effects**
Sonmez Y., KAHRAMAN H. T., Dosoglu M. K., Guvenc U., Duman S.
JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, vol.29, no.3, pp.495-515, 2017 (SCI-Expanded)
- XXII. **A novel and powerful hybrid classifier method: Development and testing of heuristic k-nn algorithm with fuzzy distance metric**
KAHRAMAN H. T.
DATA & KNOWLEDGE ENGINEERING, vol.103, pp.44-59, 2016 (SCI-Expanded)
- XXIII. **Novel User Modeling Approaches for Personalized Learning Environments**
KAHRAMAN H. T., SAĞIROĞLU Ş., Colak I.
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.15, no.3, pp.575-602, 2016 (SCI-Expanded)
- XXIV. **Metaheuristic linear modeling technique for estimating the excitation current of a synchronous motor**
Kahraman H. T.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.22, no.6, pp.1637-1652, 2014 (SCI-Expanded)
- XXV. **A novel model for web-based adaptive educational hypermedia systems: SAHM (supervised adaptive hypermedia model)**
KAHRAMAN H. T., Sagioglu S., Colak I.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.21, no.1, pp.60-74, 2013 (SCI-Expanded)
- XXVI. **The development of intuitive knowledge classifier and the modeling of domain dependent data**
KAHRAMAN H. T., Sagioglu S., Colak I.
KNOWLEDGE-BASED SYSTEMS, vol.37, pp.283-295, 2013 (SCI-Expanded)
- XXVII. **A new approach to predict the excitation current and parameter weightings of synchronous machines based on genetic algorithm-based k-NN estimator**
KAHRAMAN H. T., Bayindir R., Sagioglu S.
ENERGY CONVERSION AND MANAGEMENT, vol.64, pp.129-138, 2012 (SCI-Expanded)
- XXVIII. **Application of the intuitive k-NN Estimator for prediction of the Marshall Test (ASTM D1559) results for asphalt mixtures**
Aksoy A., İskender E., Kahraman H. T.
CONSTRUCTION AND BUILDING MATERIALS, vol.34, pp.561-569, 2012 (SCI-Expanded)
- XXIX. **OBJECT ORIENTED AGGLOMERATIVE HIERARCHICAL CLUSTERING MODEL IN DATA MINING**
Yesilbudak M., KAHRAMAN H. T., Karacan H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.1, pp.27-39, 2011 (SCI-Expanded)
- XXX. **TRANSITION TO ADAPTIVE EDUCATIONAL HYPERMEDIA SYSTEMS FROM WEB BASED EDUCATIONAL SYSTEMS: REVIEW OF DESIGN APPROACHES FOR THE AEHS**
Sagioglu S., Colak I., Kahraman H. T.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.4, pp.837-852, 2008 (SCI-Expanded)
- XXXI. **Remote controlling and monitoring of HVAC system over Internet**
Colak I., Demirbas S., Sefa I., Irmak E., Kahraman H. T.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.67, no.9, pp.680-684, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **SINIFLANDIRMA PROBLEMLERİ İÇİN AGDE-TABANLI META-SEZGİSEL BOYUT İNDİRGEME ALGORİTMASININ GELİŞTİRİLMESİ**
KAHRAMAN H. T., ARAS B., YILDIZ O.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.5, pp.206-217, 2020 (Peer-Reviewed Journal)
- II. **ÇOK AMAÇLI META-SEZGİSEL OPTİMİZASYON ALGORİTMALARININ PERFORMANSLARININ KARŞILAŞTIRILMASI**
AKBEL M., KAHRAMAN H. T.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.5, pp.185-199, 2020 (Peer-Reviewed Journal)
- III. **K-ORTALAMALAR TABANLI EN ETKİLİ META-SEZGİSEL KÜMELEME ALGORİTMASININ ARAŞTIRILMASI**
Koroğlu Ö., KAHRAMAN H. T.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.5, pp.173-184, 2020 (Peer-Reviewed Journal)
- IV. **ARZ-TALEP TABANLI OPTİMİZASYON ALGORİTMASININ FDB YÖNTEMİ İLE İYİLEŞTİRİLMESİ: MÜHENDİSLİK TASARIM PROBLEMLERİ ÜZERİNE KAPSAMLI BİR ARAŞTIRMA**
KATI M., KAHRAMAN H. T.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.5, pp.156-172, 2020 (Peer-Reviewed Journal)
- V. **Analysis, Test and Management of the Meta-Heuristic Searching Process: An Experimental Study on SOS**
Kahraman H. T., Aras S., Sönmez Y., Güvenç U., Gedikli E.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.23, no.2, pp.445-455, 2020 (ESCI)
- VI. **Rulet Elektromanyetik Alan Optimizasyon (R-EFO) Algoritması**
KAHRAMAN H. T.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.1, pp.69-80, 2020 (Peer-Reviewed Journal)
- VII. **Artificial Neural Network-Based New Methodology for Modeling of Asphalt Mixtures and Comparison with IKE Method**
İSKENDER E., AKSOY A., ÖZŞAHİN Ş., KAHRAMAN H. T., KONAK S. D.
Journal of Investigations on Engineering & Technology, vol.1, no.2, pp.1-13, 2018 (Peer-Reviewed Journal)
- VIII. **LAND COVER MAPPING WITH ADVANCED CLASSIFICATION ALGORITHMS**
ŞERİFOĞLU YILMAZ Ç., GÜNGÖR O., KAHRAMAN H. T.
Nature Sciences, vol.13, no.3, pp.41-50, 2018 (Peer-Reviewed Journal)
- IX. **LAND COVER MAPPING WITH ADVANCED CLASSIFICATION ALGORITHMS**
ŞERİFOĞLU YILMAZ Ç., GÜNGÖR O., KAHRAMAN H. T.
Nature Sciences, vol.13, no.3, pp.41-50, 2018 (Peer-Reviewed Journal)
- X. **An Estimate of Energy Consumption for Housing Buildings in Hot Climatic Zones through Artificial Intelligence Methods: Case of Antalya**
Sümer Haydaraslan K., Haydaraslan E., Kahraman H. T., Yaşar Y.
Technological Applied Sciences, vol.13, no.3, pp.273-284, 2018 (Peer-Reviewed Journal)
- XI. **LAND COVER MAPPING WITH ADVANCED CLASSIFICATION ALGORITHMS**
ŞERİFOĞLU YILMAZ Ç., GÜNGÖR O., KAHRAMAN H. T.
Nature Sciences, vol.13, no.3, pp.41-50, 2018 (Peer-Reviewed Journal)
- XII. **Meta-Sezgisel Arama Algoritmalarının Test Edilmesi İçin Yeni Yöntemlerin Geliştirilmesi**
ARAS S., KAHRAMAN H. T., SÖNMEZ Y., GÜVENÇ U.
İleri Teknoloji Bilimleri Dergisi, vol.6, no.2, pp.1-8, 2017 (Peer-Reviewed Journal)
- XIII. **Improvement of Buck Converter Performance Using Artificial Bee Colony Optimized PID Controller**
SÖNMEZ Y., GÜVENÇ U., YILMAZ C., KAHRAMAN H. T., DUMAN S.
Journal of Automation and Control Engineering, vol.4, pp.304-310, 2015 (Peer-Reviewed Journal)
- XIV. **Application of Meta-Heuristic Hybrid Artificial Intelligence Techniques for Modeling of Bonding Strength of Plywood Panels**
DEMİRKİR C., KAHRAMAN H. T., ÇOLAKOĞLU G.

Artvin Coruh University Journal of Forestry Faculty, vol.15, no.1, pp.20-32, 2014 (Peer-Reviewed Journal)

XV. **Klimalar İçin Yeni Bir Kontrol Sistemi**

SEFA İ., KAHRAMAN H. T.

Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.22, no.3, pp.339, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Multi-objective Adaptive Guided Differential Evolution for Multi-objective Optimal Power Flow Incorporating Wind-Solar-Small Hydro-Tidal Energy Sources**

Kahraman H. T., Duman S.

in: Differential Evolution: From Theory to Practice , B. Vinoth KumarDiego OlivaP. N. Suganthan, Editor, Springer, London/Berlin , Singapore, pp.341-365, 2022

II. **Investigation of the Most Effective Meta-Heuristic Optimization Technique for Constrained Engineering Problems**

KAHRAMAN H. T., ARAS S.

in: Artificial Intelligence and Applied Mathematics in Engineering Problems, Hemanth, D., J., Editor, Springer, Cham, pp.484-501, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **Investigation of the Most Effective Meta-Heuristic Optimization Technique for Constrained Engineering Problems**

KAHRAMAN H. T., ARAS S.

International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2019), 20 - 22 April 2019

II. **Pedestrian and Vehicles Detection with ResNet in Aerial Images**

CENGİZ E., YILMAZ C., KAHRAMAN H. T., BAYRAM F.

4th International Symposium on Innovative Approaches in Engineering and Natural Sciences Proceedings, Turkey, 22 - 24 November 2019, pp.416-419

III. **Importance of Power Flow and Load Analysis in Pre-Installation Power Systems**

CENGİZ E., YILMAZ C., YILMAZ E. N., KAHRAMAN H. T.

2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, Turkey, 11 - 13 October 2019

IV. **Meta-sezgisel Algoritmaların Çok Boyutlu Problem Uzaylarındaki Arama Performanslarının Araştırılması**

Aras E., KAHRAMAN H. T., ARAS S.

2018 International Conference on Artificial Intelligence and Data Processing, IDAP 2018, Malatya, Turkey, 28 - 30 September 2018

V. **Disturbance Rejection Effect of PIDA Controller Designed via SOS Algorithm SOS Algoritması ile Tasarlanan PIDA Denetçinin Bozucu Bastırma Etkisi**

Karadeniz E., ÖZBEY N., YEROĞLU C., KAHRAMAN H. T.

2018 International Conference on Artificial Intelligence and Data Processing, IDAP 2018, Malatya, Turkey, 28 - 30 September 2018

VI. **Haar Wavelet Neural Network Model Haar Dalgacık Sinir Ağı Modeli**

Pala T., Yücedağ I., KAHRAMAN H. T., Güvenç U., SÖNMEZ Y.

2018 International Conference on Artificial Intelligence and Data Processing, IDAP 2018, Malatya, Turkey, 28 - 30 September 2018

VII. **Comparison of Pooling Methods for Handwritten Digit Recognition Problem El Yazısı Rakam Tanıma Problemi için Havuzlama Yöntemlerinin Karşılaştırılması**

Pala T., Güvenç U., KAHRAMAN H. T., Yücedağ I., SÖNMEZ Y.

2018 International Conference on Artificial Intelligence and Data Processing, IDAP 2018, Malatya, Turkey, 28 - 30 September 2018

- VIII. **META-SEZGİSEL ALGORİTMALARIN DENEYSEL ÇALIŞMALARINDAKİ STANDARTSIZLIKLAR VE ÇÖZÜM ÖNERİLERİ**
KAHRAMAN H. T., ARAS S., GEDİKLİ E.
INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 30 October - 03 November 2018, pp.1466-1472
- IX. **META-SEZGİSEL OPTİMİZASYON ÇALIŞMALARINDA BENCHMARK PROBLEMLERİNDE KARŞILAŞILAN STANDARTSIZLIKLAR VE ÇÖZÜM ÖNERİLERİ**
KAHRAMAN H. T., ARAS S., GEDİKLİ E.
INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 30 October - 03 December 2018, pp.1494-1501
- X. **Sanal Güç Santralleri ve Simülasyonu**
YILMAZ C., SÖNMEZ Y., KAHRAMAN H. T., IŞIK M. F., uygun h. a.
V. Uluslararası Multidisipliner Çalışmaları Sempozyumu, 16 - 17 November 2018, vol.2, pp.119-126
- XI. **Ethernet/GSM İle Uzaktan Kompanzasyon Takip Sistemi**
YILMAZ C., IŞIK M. F., KAHRAMAN H. T., SÖNMEZ Y., Bilgi İ. A.
V. Uluslararası Multidisipliner Çalışmaları Sempozyumu, 16 - 17 November 2018, vol.2, pp.127-130
- XII. **PID PARAMETRELERİNİN META SEZGİSEL YÖNTEMLERLE OPTİMİZASYONU**
MARUL M., KAHRAMAN H. T.
INTERNATIONAL CONFERENCE OF STRATEGIC RESEARCH ON SCIENTIFIC STUDIES AND EDUCATION, Antalya, Turkey, 19 - 21 October 2018
- XIII. **SOS Algoritması ile Tasarlanan PIDA Denetçinin Bozucu Bastırma Etkisi**
KARADENİZ E., ÖZBEY N., YEROĞLU C., KAHRAMAN H. T.
International Conference on Artificial Intelligence and Data Processing (IDAP 2018), 28 - 30 September 2018
- XIV. **El Yazısı rakam Tanıma Problemi İçin Havuzlama Yöntemlerinin Karşılaştırılması**
PALA T., GÜVENÇ U., KAHRAMAN H. T., YÜCEDAĞ İ., SÖNMEZ Y.
International Conference on Artificial Intelligence and Data Processing (IDAP 2018), 28 - 30 September 2018, pp.67-71
- XV. **Haar Dalgacık Sinir Ağı**
PALA T., YÜCEDAĞ İ., KAHRAMAN H. T., GÜVENÇ U., SÖNMEZ Y.
International Conference on Artificial Intelligence and Data Processing (IDAP 2018), 28 - 30 September 2018, pp.59-66
- XVI. **Meta-sezgisel Algoritmaların Çok Boyutlu Problem Uzaylarındaki Arama Performanslarının Araştırılması**
ARAS E., KAHRAMAN H. T., ARAS S.
2018 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018, pp.813-817
- XVII. **Development and testing of meta heuristic regression tool**
KAHRAMAN H. T., ARAS S., SÖNMEZ Y., GÜVENÇ U.
7 th International Conference on Advanced Technologies (ICAT'18), 28 April - 01 May 2018
- XVIII. **Fuel cost function parameter optimization by using gravitational search algorithm**
SÖNMEZ Y., GÜVENÇ U., YILMAZ C., KAHRAMAN H. T.
7 th International Conference on Advanced Technologies (ICAT'18), 28 April - 01 May 2018
- XIX. **Determination of the Effects of Penalty Coefficient on the Meta-Heuristic Optimization Process**
ARAS S., KAHRAMAN H. T., GEDİKLİ E.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- XX. **Disturbance Rejection Effect of PIDA Controller Designed via SOS Algorithm**
KARADENİZ KÖSE E., ÖZBEY N., YEROĞLU C., KAHRAMAN H. T.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018

- XXI. **An Estimate of Energy Consumption for Housing Buildings in Hot Climatic Zones through Artificial Intelligence Methods: Case of Antalya**
SÜMER HAYDARASLAN K., HAYDARASLAN E., KAHRAMAN H. T., YAŞAR Y.
ICADET'17 International Conference on Advance Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017
- XXII. **Desen Tanıma Yöntemiyle Kara Mayınlarının Algılanması ve Sınıflandırılması**
YILMAZ C., KAHRAMAN H. T., SÖNMEZ Y., SÖYLER S.
IV. International Multidisciplinary Congress of Eurasia, 23 - 25 August 2017
- XXIII. **MAYIN DEDEKTÖRÜ TEST SİMÜLATÖRÜ TASARIM VE UYGULAMASI**
YILMAZ C., SÖYLER S., KAHRAMAN H. T., IŞIK M. F., SÖNMEZ Y.
I. ULUSLARARASI TÜRK DÜNYASIMÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 December 2017, pp.198-202
- XXIV. **Meta-Sezgisel Algoritmaların Geliştirilme ve Test Süreçlerinde Standartların Belirlenmesi**
KAHRAMAN H. T., ONUR K., ARAS S., GÜVENÇ U.
International Engineering Research Symposium, Antalya, Turkey, 11 - 13 September 2017, pp.108-110
- XXV. **Meta-Sezgisel Algoritmalarda Tasarım Desenlerinin Keşfedilmesi**
KAHRAMAN H. T., ARAS S., GÜVENÇ U., SÖNMEZ Y.
International Engineering Research Symposium, Antalya, Turkey, 11 - 13 September 2017, pp.155-165
- XXVI. **Gömülü Patlayıcı Nesnelerin Tespitinde Yeni Bir Yöntem: Manyetik Anomali**
SÖYLER S., YILMAZ C., KAHRAMAN H. T., SÖNMEZ Y.
2.ULUSLARARASI SAVUNMA SANAYİ SEMPOZYUMU, Kırıkkale, Turkey, 6 - 08 April 2017, pp.174-181
- XXVII. **Exploring the Effect of Distribution Methods on Meta-Heuristic Searching process**
KAHRAMAN H. T., ARAS S., GUVENC U., SONMEZ Y.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.371-376
- XXVIII. **Application of Symbiotic Organisms Search Algorithm to solve various economic load dispatch problems**
GÜVENÇ U., DUMAN S., DÖŞOĞLU M. K., KAHRAMAN H. T., SÖNMEZ Y., YILMAZ C.
2016 International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Sinaia, Romania, 2 - 05 August 2016
- XXIX. **Enhancing Usability of Educational Adaptive Hypermedia Environments Development of Intelligent Authoring Tools**
KAHRAMAN H. T., ÇOLAK İ., SAĞIROĞLU Ş.
10th International Computer & Instructional Technologies Symposium ICITS2016, 16 - 18 May 2016, pp.1306-1317
- XXX. **A Novel Adaptive Online Course on Electrical DC Motor Results of Experimental Research in Undergraduate Education**
KAHRAMAN H. T., ÇOLAK İ., SAĞIROĞLU Ş.
10th International Computer and Instructional Technologies Symposium (ICITS), 16 - 18 May 2016, pp.797-808
- XXXI. **Applying the Meta-Heuristic Prediction Algorithm for Modeling Power Density in Wind Power Plant**
KAHRAMAN H. T., AYAZ M., ÇOLAK İ., BAYINDIR R.
15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, United States Of America, 18 - 20 December 2016, pp.447-451
- XXXII. **Optimal Scheduling of Short-term Hydrothermal Generation Using Symbiotic Organisms Search Algorithm**
KAHRAMAN H. T., DOSOĞLU M. K., GÜVENÇ U., DUMAN S., SÖNMEZ Y.
4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.60-64
- XXXIII. **Developing of Decision Support System for Land Mine Classification by Meta-heuristic Classifier**
YILMAZ C., KAHRAMAN H. T., SOYLER S., SÖNMEZ Y., GÜVENÇ U.
International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Sinaia, Romania, 2 - 05 August 2016

- XXXIV. **A Comparative Study on Novel Machine Learning Algorithms for Estimation of Energy Performance of Residential Buildings**
SÖNMEZ Y., GÜVENÇ U., KAHRAMAN H. T., YILMAZ C.
3rd International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 29 - 30 April 2015
- XXXV. **Application of Adaptive Artificial Neural Network Method to Model the Excitation Currents of Synchronous Motors**
BAYINDIR R., ÇOLAK İ., SAĞIROĞLU Ş., KAHRAMAN H. T.
11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 12 - 15 December 2012, pp.498-502
- XXXVI. **Development of adaptive and intelligent web based educational systems**
KAHRAMAN H. T., SAĞIROĞLU Ş., ÇOLAK İ.
2010 4th International Conference on Application of Information and Communication Technologies, Tashkent, Uzbekistan, 12 - 14 October 2010
- XXXVII. **Development of an Intelligent Decision Support System for Determining the Efficiency of Shunt Active Power Filter**
SAĞIROĞLU Ş., BAYINDIR R., KAPLAN O., KAHRAMAN H. T.
2009 International Conference on Machine Learning and Applications, Miami, FL, USA, 13 - 15 December 2009, pp.626-631
- XXXVIII. **A web based adaptive educational system**
Kahraman H. T., Colak I., Sagiroglu S.
6th International Conference on Machine Learning and Applications, Ohio, United States Of America, 13 - 15 December 2007, pp.286-287

Activities in Scientific Journals

Engineering Applications Of Artificial Intelligence, Editor, 2022 - Continues

Scientific Refereeing

IEEE Data and Knowledge, SCI Journal, March 2018
Knowledge Based Systems, SCI Journal, February 2018
IEEE Access, SCI Journal, January 2018
Knowledge-Based Systems, SCI Journal, January 2015
Computer Applications in Engineering Education, SCI Journal, January 2014
IET, Generation, Transmission & Distribution, SCI Journal, January 2014
IEEE, Transactions on Systems, Man, and Cybernetics, Part B, SCI Journal, January 2012

Scientific Research / Working Group Memberships

Edward B. Fort Disiplinler arası araştırma merkezi, North Carolina Agricultural and Technical State University, United States Of America, <http://www.ncat.edu/research/fort-irc.html>, 2012 - 2012

Metrics

Publication: 87
Citation (WoS): 411
Citation (Scopus): 489
H-Index (WoS): 11

H-Index (Scopus): 12

Awards

KAHRAMAN H. T., Development and Testing of Meta-Heuristic Regression, ICAT 2018 Antalya, April 2018

KAHRAMAN H. T., Climatic Zones Through Artificial Intelligence Methods: Case of Antalya, ICADET 2017, October 2017