

Prof. DERVİŞ KARABOĞA

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 32577

Email: karaboga@erciyes.edu.tr

Web: <http://mf.erciyes.edu.tr/abc>

Address: Erciyes Üniversitesi Mühendislik Fakültesi Bilgisayar Mühendisliği Bölümü 38039 Melikgazi Kayseri

Education Information

Doctorate, University Of Wales College Of Cardiff, System Engineering Department, United Kingdom 1989 - 1994

Postgraduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 1985 - 1988

Undergraduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , Turkey 1979 - 1983

Research Areas

Technical Sciences, Computer Sciences, algorithms, Simulation and Modelling, Artificial Intelligence, Computer Learning and Pattern Recognition, Fuzzy Sets and Systems, Evolutionary Computing, Neural Networks

Academic Titles / Tasks

Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2005 - Continues

Associate Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2000 - 2005

Assistant Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 1994 - 2000

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 1984 - 1994

Academic and Administrative Experience

Erciyes Üniversitesi, Bilgisayar Müh. Böl., 2005 - 2017

Advising Theses

KARABOĞA D., BİLGİSAYAR MÜHENDİSLİĞİ(YL.YABANCI DİL)-LOCALİZATİON OF NODES İN WİRELESS SENSOR NETWORK USİNG ARTİFİCİAL BEE COLONY ALGORİTHM, Postgraduate, F.KHALEEL(Student), 2017

KARABOĞA D., BİLGİSAYAR MÜHENDİSLİĞİ(YL.YABANCI DİL)-PROBABİLİSTİC DYNAMİC DEPLOYMENT OF WİRELESS SENSOR NETWORKS BY ARTİFİCİAL BEE COLONY ALGORİTHM, Postgraduate, M.JASIM(Student), 2017

KARABOĞA D., ADAPTİF AĞ TABANLI BULANIK ÇIKARIM SİSTEMLERİ (ANFİS)'NİN YAPAY ARI KOLONİ ALGORİTMASI İLE EĞİTİLMESİ, Doctorate, E.KAYA(Student), 2017

KARABOĞA D., BULUT İLE MOBİL GÖRRÜNMEZ KAREKODLARI İŞLEMİ, Postgraduate, M.TAHA(Student), 2017

KARABOĞA D., BİLGİSAYAR MÜHENDİSLİĞİ (YL.YABANCI DİL) - DEPLOYMENT OF WİRELESS SENSOR NETWORK BY ARTİFİCİAL BEE COLONY ALGORİTHM, Postgraduate, A.ALTAEE(Student), 2017

KARABOĞA D., GENOMİK VERİNİN ANALİZİNDE YAPAY ARI KOLONİ ALGORİTMASI TEMELLİ YENİ TEKNİKLERİN GELİŞTİRİLMESİ, Doctorate, S.ASLAN(Student), 2016

KARABOĞA D., VERİ MADENCİLİĞİ TEKNİKLERİNİN BİYİNFORMATİK UYGULAMALARI, Postgraduate, A.ULAŞ(Student), 2016

KARABOĞA D., BİYİNFORMATİK VERİLERİN ANALİZİ İÇİN VERİ MADENCİLİĞİ TEKNİKLERİNİN GELİŞTİRİLMESİ, Postgraduate, F.ÖZGE(Student), 2016

KARABOĞA D., AYIRT EDİCİ ORTAK VEKTÖR KULLANARAK PARMAK BOĞUM TABANLI SINIFLANDIRMA, Postgraduate, N.KURAT(Student), 2016

KARABOĞA D., YAPAY ARI KOLONİ ALGORİTMASI TABANLI GÖRÜNTÜ KÜMELEME YÖNTEMLERİNİN GELİŞTİRİLMESİ, Doctorate, E.HANÇER(Student), 2016

KARABOĞA D., YAPAY ARI KOLONİ PROGRAMLAMA VE SEMBOLİK REGRESYON PROBLEMLERİNE UYGULANMASI, Doctorate, B.Görkemli(Student), 2015

KARABOĞA D., Yapay Arı Kolon i Algoritması Taban lı Veri Madencilği Algoritmalarının Geliştirilmesi, Doctorate, F.Köylü(Student), 2015

KARABOĞA D., 3 Boyutlu Nesnelerin Modellenmesi İçin Nokta Bulutlarının Sezgisel Optimizasyon Yöntemleri İle İşlenmesi, Doctorate, T.KURBAN(Student), 2014

KARABOĞA D., Topografik haritalardan yükseklik çizgilerinin otomatik çekilmesi ve oluşan hataların giderilmesi, Postgraduate, E.Hançer(Student), 2012

KARABOĞA D., YAPAY ARI KOLONİ ALGORİTMASI İLE YAPAY SİNİR AĞLARININ EĞİTİLMESİ, Doctorate, C.Öztürk(Student), 2011

KARABOĞA D., KABLOSUZ ALGILAYICI AĞLARINDA OPTUMUM YÖNLENDİRME TEKNİKLERİ, Doctorate, S.Öktem(Student), 2011

KARABOĞA D., Adaptif Sır Paylaşımı, Postgraduate, E.KAYA(Student), 2010

KARABOĞA D., Nümerik Optimizasyon Problemlerinde Yapay Arı Kolonisi (Artificial Bee Colony) Algoritmasının Performans Analizi, Doctorate, B.Baştürk(Student), 2009

KARABOĞA D., VİDEO VE GPS VERİLERİNE DAYALI HARİTA ÜRETİMİ, Postgraduate, T.Kurban(Student), 2008

KARABOĞA D., Hava kirliliği tahmininde çoklu regresyon analizi ve yapay sinir ağları yönteminin karşılaştırılması, Doctorate, A.Gürkan(Student), 2007

KARABOĞA D., Grup Asansörleri için Zeki kontrol Sistemleri, Doctorate, U.Dağdelen(Student), 2006

KARABOĞA D., Bilgisayar Destekli Yöntemlerle Yüzdeki Dismorfik Rahatsızlıkların Otomatik Tespiti, Postgraduate, B.Baştürk(Student), 2005

KARABOĞA D., ERCİYES ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ TAHAKKUK İŞLERİ BİRİMİ OTOMASYON YAZILIMI, Postgraduate, H.BOLAT(Student), 2004

KARABOĞA D., DİSK PLANLAMA İÇİN KARINCA KOLONİ ALGORİTMASINA DAYALI YENİ BİR METOD, Postgraduate, S.ÖKDEM(Student), 2003

KARABOĞA D., ERCİYES ÜNİVERSİTESİ BİLİMSSEL ARAŞTIRMALAR BİRİMİ WEB-TABANLI OTOMASYON YAZILIMI, Postgraduate, A.GEZER(Student), 2003

KARABOĞA D., SABİT TORKLU MANİPÜLATÖRÜN MİNİMUM ZAMANLI UYARLAMALI DENETİMİ, Doctorate, M.YAZ(Student), 2002

Karaboğa D., Karaboğa N., Optimization of Dam Operation with Fuzzy Logic Controller with Tabu Research Algorithm, Doctorate, A.Bağış(Student), 2001

KARABOĞA D., İntranet Üzerinde İstemci/Sunucu Veri Tabanı Uygulaması, Postgraduate, Y.SAMAST(Student), 1998

KARABOĞA D., BULANIK MANTIK İLE ADIM MOTOR KONTROLÜ, Postgraduate, U.DAĞDELEN(Student), 1996

KARABOĞA D., Geribeslemeli Yapay Sinir Ağlarının Genetik Operatörlere Dayalı Tabu Araştırma Algoritması Kullanarak Eğitilmesi, Doctorate, A.Kalınlı(Student), 1996

Jury Memberships

Post Graduate, Tez Savunma, Karadeniz Teknik Üniversitesi, Trabzon, February, 2018

Post Graduate, Tez Savunma , Mersin Üniv., Mersin , June, 2017

Associate Professor Exam, Doçentlik Sınavı, Gaziantep Üniv., Gaziantep, March, 2015

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

- I. **A robust real-time deep learning based automatic polyp detection system**
Pacal I., KARABOĞA D.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.134, 2021 (Journal Indexed in SCI)
- II. **A survey on the Artificial Bee Colony algorithm variants for binary, integer and mixed integer programming problems**
AKAY B., KARABOĞA D., GÖRKEMLİ B., Kaya E.
Applied Soft Computing, vol.106, 2021 (Journal Indexed in SCI)
- III. **Archive-based multi-criteria Artificial Bee Colony algorithm for whole test suite generation**
ŞAHİN Ö., AKAY B., KARABOĞA D.
Engineering Science and Technology, an International Journal, vol.24, pp.806-817, 2021 (Journal Indexed in SCI)
- IV. **A comprehensive survey on optimizing deep learning models by metaheuristics**
AKAY B., KARABOĞA D., AKAY R.
ARTIFICIAL INTELLIGENCE REVIEW, 2021 (Journal Indexed in SCI)
- V. **Solving differential equations with artificial bee colony programming**
Boudouaoui Y., Habbi H., ÖZTÜRK C., KARABOĞA D.
SOFT COMPUTING, vol.24, no.23, pp.17991-18007, 2020 (Journal Indexed in SCI)
- VI. **A comprehensive review of deep learning in colon cancer**
Pacal I., KARABOĞA D., BAŞTÜRK A., AKAY B., Nalbantoglu U.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.126, 2020 (Journal Indexed in SCI)
- VII. **A new artificial bee colony algorithm employing intelligent forager forwarding strategies**
Aslan S., KARABOĞA D., Badem H.
APPLIED SOFT COMPUTING, vol.96, 2020 (Journal Indexed in SCI)
- VIII. **Regression-Based Neuro-Fuzzy Network Trained by ABC Algorithm for High-Density Impulse Noise Elimination**
ÇALIŞKAN A., Cil Z. A., Badem H., KARABOĞA D.
IEEE TRANSACTIONS ON FUZZY SYSTEMS, vol.28, no.6, pp.1084-1095, 2020 (Journal Indexed in SCI)
- IX. **Estimation of number of foreign visitors with ANFIS by using ABC algorithm**
KARABOĞA D., KAYA E.
SOFT COMPUTING, vol.24, no.10, pp.7579-7591, 2020 (Journal Indexed in SCI)
- X. **A genetic Artificial Bee Colony algorithm for signal reconstruction based big data optimization**
Aslan S., KARABOĞA D.
APPLIED SOFT COMPUTING, vol.88, 2020 (Journal Indexed in SCI)
- XI. **Improved quick artificial bee colony (iqABC) algorithm for global optimization**
ASLAN S., Badem H., KARABOĞA D.
SOFT COMPUTING, vol.23, no.24, pp.13161-13182, 2019 (Journal Indexed in SCI)
- XII. **Discovery of conserved regions in DNA sequences by Artificial Bee Colony (ABC) algorithm based methods**
KARABOĞA D., ASLAN S.
NATURAL COMPUTING, vol.18, no.2, pp.333-350, 2019 (Journal Indexed in SCI)
- XIII. **Solving Traveling Salesman Problem by Using Combinatorial Artificial Bee Colony Algorithms**
KARABOĞA D., GÖRKEMLİ B.
INTERNATIONAL JOURNAL ON ARTIFICIAL INTELLIGENCE TOOLS, vol.28, no.1, 2019 (Journal Indexed in SCI)
- XIV. **Modified multiple search cooperative foraging strategy for improved artificial bee colony optimization with robustness analysis**
HARFOUCHI F., HABBI H., ÖZTÜRK C., KARABOĞA D.
SOFT COMPUTING, vol.22, no.19, pp.6371-6394, 2018 (Journal Indexed in SCI)
- XV. **Modified multiple search cooperative foraging strategy for improved artificial bee colony optimization with robustness analysis**
Harfouchi F., Habbi H., ÖZTÜRK C., KARABOĞA D.

Soft Computing, pp.6371-6394, 2018 (Journal Indexed in SCI Expanded)

- XVI. **Pareto front feature selection based on artificial bee colony optimization**
Hancer E., Xue B., Zhang M., Karaboga D., Akay B.
INFORMATION SCIENCES, vol.422, pp.462-479, 2018 (Journal Indexed in SCI)
- XVII. **A comprehensive survey of traditional, merge-split and evolutionary approaches proposed for determination of cluster number**
Hancer E., KARABOĞA D.
Swarm and Evolutionary Computation, vol.32, pp.49-67, 2017 (Journal Indexed in SCI)
- XVIII. **Training ANFIS by using the artificial bee colony algorithm**
KARABOĞA D., Kaya E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.3, pp.1669-1679, 2017 (Journal Indexed in SCI)
- XIX. **An adaptive and hybrid artificial bee colony algorithm (aABC) for ANFIS training**
KARABOĞA D., Kaya E.
APPLIED SOFT COMPUTING, vol.49, pp.423-436, 2016 (Journal Indexed in SCI)
- XX. **CoABCMiner: An Algorithm for Cooperative Rule Classification System Based on Artificial Bee Colony**
Çelik M., Köylü F., Karaboğa D.
INTERNATIONAL JOURNAL ON ARTIFICIAL INTELLIGENCE TOOLS, vol.25, 2016 (Journal Indexed in SCI)
- XXI. **A discrete artificial bee colony algorithm for detecting transcription factor binding sites in DNA sequences**
KARABOĞA D., Aslan S.
GENETICS AND MOLECULAR RESEARCH, vol.15, no.2, 2016 (Journal Indexed in SCI)
- XXII. **A binary ABC algorithm based on advanced similarity scheme for feature selection**
Hancer E., XUE B., KARABOĞA D., ZHANG M.
APPLIED SOFT COMPUTING, vol.36, pp.334-348, 2015 (Journal Indexed in SCI)
- XXIII. **Improved clustering criterion for image clustering with artificial bee colony algorithm**
OZTURK C., Hancer E., KARABOĞA D.
PATTERN ANALYSIS AND APPLICATIONS, vol.18, no.3, pp.587-599, 2015 (Journal Indexed in SCI)
- XXIV. **A survey on the applications of artificial bee colony in signal, image, and video processing**
AKAY B., KARABOĞA D.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.9, no.4, pp.967-990, 2015 (Journal Indexed in SCI)
- XXV. **A novel binary artificial bee colony algorithm based on genetic operators**
OZTURK C., Hancer E., KARABOĞA D.
INFORMATION SCIENCES, vol.297, pp.154-170, 2015 (Journal Indexed in SCI)
- XXVI. **Dynamic clustering with improved binary artificial bee colony algorithm**
OZTURK C., Hancer E., KARABOĞA D.
APPLIED SOFT COMPUTING, vol.28, pp.69-80, 2015 (Journal Indexed in SCI)
- XXVII. **Self-generated fuzzy systems design using artificial bee colony optimization**
HABBI H., BOUDOUAOUI Y., KARABOĞA D., OZTURK C.
INFORMATION SCIENCES, vol.295, pp.145-159, 2015 (Journal Indexed in SCI)
- XXVIII. **On clarifying misconceptions when comparing variants of the Artificial Bee Colony Algorithm by offering a new implementation**
Mernik M., Liu S., KARABOĞA D., Crepinšek M.
INFORMATION SCIENCES, vol.291, pp.115-127, 2015 (Journal Indexed in SCI)
- XXIX. **A quick artificial bee colony (qABC) algorithm and its performance on optimization problems**
KARABOĞA D., GÖRKEMLİ B.
APPLIED SOFT COMPUTING, vol.23, pp.227-238, 2014 (Journal Indexed in SCI)
- XXX. **A comprehensive survey: artificial bee colony (ABC) algorithm and applications**
KARABOĞA D., GÖRKEMLİ B., ÖZTÜRK C., KARABOĞA N.
ARTIFICIAL INTELLIGENCE REVIEW, vol.42, no.1, pp.21-57, 2014 (Journal Indexed in SCI)
- XXXI. **The Artificial Bee Colony algorithm in layer optimization for the maximum fundamental frequency of**

- symmetrical laminated composite plates**
APALAK M. K. , KARABOĞA D., AKAY B.
ENGINEERING OPTIMIZATION, vol.46, no.3, pp.420-437, 2014 (Journal Indexed in SCI)
- XXXII. **Color Image Quantization: A Short Review and an Application with Artificial Bee Colony Algorithm**
ÖZTÜRK C., Hancer E., KARABOĞA D.
INFORMATICA, vol.25, no.3, pp.485-503, 2014 (Journal Indexed in SCI)
- XXXIII. **AUTOMATIC CLUSTERING WITH GLOBAL BEST ARTIFICIAL BEE COLONY ALGORITHM**
OZTURK C., Hancer E., KARABOĞA D.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.4, pp.677-687, 2014 (Journal Indexed in SCI)
- XXXIV. **Artificial bee colony programming for symbolic regression**
KARABOĞA D., ÖZTÜRK C., KARABOĞA N., GÖRKEMLİ B.
INFORMATION SCIENCES, vol.209, pp.1-15, 2012 (Journal Indexed in SCI)
- XXXV. **Cluster based wireless sensor network routing using artificial bee colony algorithm**
KARABOĞA D., ÖKDEM S., ÖZTÜRK C.
WIRELESS NETWORKS, vol.18, no.7, pp.847-860, 2012 (Journal Indexed in SCI)
- XXXVI. **Artificial bee colony algorithm for large-scale problems and engineering design optimization**
AKAY B., KARABOĞA D.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.23, no.4, pp.1001-1014, 2012 (Journal Indexed in SCI)
- XXXVII. **A modified Artificial Bee Colony algorithm for real-parameter optimization**
AKAY B., KARABOĞA D.
INFORMATION SCIENCES, vol.192, pp.120-142, 2012 (Journal Indexed in SCI)
- XXXVIII. **Mix Proportioning of Aggregates for Concrete by Three Different Approaches**
HAKTANIR T., KARABOĞA D., AKAY B.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.24, no.5, pp.529-537, 2012 (Journal Indexed in SCI)
- XXXIX. **Artificial Bee Colony Algorithm for Dynamic Deployment of Wireless Sensor Networks (The paper is selected at the conference, INISTA 2010 to be published as journal paper)**
ÖZTÜRK C., KARABOĞA D., GÖRKEMLİ B.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.20, no.2, pp.1-8, 2012 (Journal Indexed in SCI Expanded)
- XL. **Artificial bee colony algorithm for dynamic deployment of wireless sensor networks**
ÖZTÜRK C., KARABOĞA D., GÖRKEMLİ B.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.20, no.2, pp.255-262, 2012 (Journal Indexed in SCI)
- XLI. **Probabilistic Dynamic Deployment of Wireless Sensor Networks by Artificial Bee Colony Algorithm**
ÖZTÜRK C., KARABOĞA D., GÖRKEMLİ B.
SENSORS, vol.11, no.6, pp.6056-6065, 2011 (Journal Indexed in SCI)
- XLII. **Partial transmit sequences based on artificial bee colony algorithm for peak-to-average power ratio reduction in multicarrier code division multiple access systems**
TAŞPINAR N., KARABOĞA D., YILDIRIM M., AKAY B.
IET COMMUNICATIONS, vol.5, no.8, pp.1155-1162, 2011 (Journal Indexed in SCI)
- XLIII. **A modified Artificial Bee Colony (ABC) algorithm for constrained optimization problems**
KARABOĞA D., AKAY B.
APPLIED SOFT COMPUTING, vol.11, no.3, pp.3021-3031, 2011 (Journal Indexed in SCI)
- XLIV. **Partial Transmit Sequences Based On Artificial Bee Colony Algorithm for PAPR Reduction in MC-CDMA Systems**
TAŞPINAR N., KARABOĞA D., YILDIRIM M., AKAY B.
IET COMMUNICATIONS, vol.5, no.8, pp.1155-1162, 2011 (Journal Indexed in SCI)
- XLV. **THE ARTIFICIAL BEE COLONY ALGORITHM IN TRAINING ARTIFICIAL NEURAL NETWORK FOR OIL SPILL DETECTION**
ÖZKAN C., ÖZTÜRK C., Sunar F., KARABOĞA D.

- NEURAL NETWORK WORLD, vol.21, no.6, pp.473-492, 2011 (Journal Indexed in SCI)
- XLVI. **A novel clustering approach: Artificial Bee Colony (ABC) algorithm**
KARABOĞA D., ÖZTÜRK C.
APPLIED SOFT COMPUTING, vol.11, no.1, pp.652-657, 2011 (Journal Indexed in SCI)
- XLVII. **PAPR reduction using artificial bee colony algorithm in OFDM systems**
TAŞPINAR N., KARABOĞA D., YILDIRIM M., AKAY B.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.19, no.1, pp.47-58, 2011
(Journal Indexed in SCI)
- XLVIII. **Fuzzy clustering with artificial bee colony algorithm**
KARABOĞA D., ÖZTÜRK C.
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.14, pp.1899-1902, 2010 (Journal Indexed in SCI)
- XLIX. **Proportional-integral-derivative controller design by using artificial bee colony, harmony search, and the bees algorithms**
KARABOĞA D., AKAY B.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, vol.224, pp.869-883, 2010 (Journal Indexed in SCI)
- L. **A comparative study of Artificial Bee Colony algorithm**
KARABOĞA D., AKAY B.
APPLIED MATHEMATICS AND COMPUTATION, vol.214, no.1, pp.108-132, 2009 (Journal Indexed in SCI)
- LI. **A survey: algorithms simulating bee swarm intelligence**
KARABOĞA D., AKAY B.
ARTIFICIAL INTELLIGENCE REVIEW, vol.31, pp.61-85, 2009 (Journal Indexed in SCI)
- LII. **Routing in Wireless Sensor Networks Using an Ant Colony Optimization (ACO) Router Chip**
ÖKDEM S., KARABOĞA D.
SENSORS, vol.9, no.2, pp.909-921, 2009 (Journal Indexed in SCI)
- LIII. **NEURAL NETWORKS TRAINING BY ARTIFICIAL BEE COLONY ALGORITHM ON PATTERN CLASSIFICATION**
KARABOĞA D., ÖZTÜRK C.
NEURAL NETWORK WORLD, vol.19, no.3, pp.279-292, 2009 (Journal Indexed in SCI)
- LIV. **On the performance of artificial bee colony (ABC) algorithm**
Karaboga D., Basturk B.
APPLIED SOFT COMPUTING, vol.8, no.1, pp.687-697, 2008 (Journal Indexed in SCI)
- LV. **Controlling spillway gates of dams by using fuzzy logic controller with optimum rule number**
Karaboga D., Bagis A., Haktanir T.
APPLIED SOFT COMPUTING, vol.8, no.1, pp.232-238, 2008 (Journal Indexed in SCI)
- LVI. **A powerful and efficient algorithm for numerical function optimization: artificial bee colony (ABC) algorithm**
Karaboga D., Basturk B.
JOURNAL OF GLOBAL OPTIMIZATION, vol.39, no.3, pp.459-471, 2007 (Journal Indexed in SCI)
- LVII. **Evolutionary algorithm-based fuzzy PD control of spillway gates of dams**
BAĞIŞ A., KARABOĞA D.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.344, no.8, pp.1039-1055, 2007 (Journal Indexed in SCI)
- LVIII. **Touring ant colony optimization algorithm for shaped-beam pattern synthesis of linear antenna**
Akdağlı A., Güney K., Karaboga D.
ELECTROMAGNETICS, vol.26, no.8, pp.615-628, 2006 (Journal Indexed in SCI)
- LIX. **Genetic tracker with neural network for single and multiple target tracking**
Turkmen I., Guney K., Karaboga D.
NEUROCOMPUTING, vol.69, pp.2309-2319, 2006 (Journal Indexed in SCI)
- LX. **Elevator group control by using talented algorithm**
Dagdelen U., Bagis A., Karaboga D.

- ARTIFICIAL INTELLIGENCE AND NEURAL NETWORKS, vol.3949, pp.203-210, 2006 (Journal Indexed in SCI)
- LXI. **An efficient control method for elevator group control system**
Dagdelen U., Bagis A., Karaboga D.
COMPUTATIONAL INTELLIGENCE AND SECURITY, PT 2, PROCEEDINGS, vol.3802, pp.1042-1047, 2005 (Journal Indexed in SCI)
- LXII. **Fuzzy logic based operation of spillway gates of reservoirs during floods**
Karaboga D., Bagis A., Haktanir T.
JOURNAL OF HYDROLOGIC ENGINEERING, vol.9, no.6, pp.544-549, 2004 (Journal Indexed in SCI)
- LXIII. **Artificial neural networks and fuzzy logic based control of spillway gates of dams**
Bagis A., Karaboga D.
HYDROLOGICAL PROCESSES, vol.18, no.13, pp.2485-2501, 2004 (Journal Indexed in SCI)
- LXIV. **Training recurrent neural networks by using parallel tabu search algorithm based on crossover operation**
Kalinli A., Karaboga D.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.17, no.5, pp.529-542, 2004 (Journal Indexed in SCI)
- LXV. **Antenna array pattern nulling by controlling both amplitude and phase using modified touring ant colony optimization algorithm**
Karaboga D., Guney K., Akdağlı A.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.91, no.4, pp.241-251, 2004 (Journal Indexed in SCI)
- LXVI. **Designing digital IIR filters using ant colony optimisation algorithm**
Karaboga N., Kalinli A., Karaboga D.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.17, no.3, pp.301-309, 2004 (Journal Indexed in SCI)
- LXVII. **Tabu search tracker for multiple target tracking**
Turkmen I., Guney K., Karaboga D.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.18, no.12, pp.1573-1589, 2004 (Journal Indexed in SCI)
- LXVIII. **New narrow aperture dimension expressions obtained by using a differential evolution algorithm for optimum gain pyramidal horns**
Guney K., Karaboga D.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.18, no.3, pp.321-339, 2004 (Journal Indexed in SCI)
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