



Personal Information

Office Phone: +90 +90 352 207 6666 Extension: 41177

Email: selcukaslan@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/8625/>

Address: Havacılık ve Uzay bilimleri Fakültesi A-Blok Kat: 2 Ofis:21 Talas / Kayseri

International Researcher IDs

ScholarID: 16AlaxsAAAAJ

ORCID: 0000-0002-9145-239X

Publons / Web Of Science ResearcherID: AAT-9375-2021

ScopusID: 56294787600

Yoksis Researcher ID: 179843

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, Turkey 2013 - 2016

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, Turkey 2011 - 2013

Undergraduate, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2006 - 2011

Dissertations

Doctorate, Genomik verinin analizinde yapay arı koloni algoritması temelli yeni tekniklerin geliştirilmesi, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği A.B.D., 2016

Postgraduate, Çoklu dizi hizalama probleminin yapay arı koloni algoritması ile çözülmesi, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği A.B.D., 2013

Research Areas

algorithms, Simulation and Modelling, Parallel Algorithms, Evolutionary Computing

Academic Titles / Tasks

Associate Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2021 - Continues

Associate Professor, Nevşehir Hacı Bektaş Veli University, Faculty Of Engineering-Architecture, Department Of Computer Engineering, 2020 - 2021

Assistant Professor, Ondokuz Mayıs University, Faculty Of Engineering, Department Of Computer Engineering, 2018 - 2020

Lecturer, National Defense University, Turkish Military Academy, 2017 - 2018

Research Assistant, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2012 - 2017

Academic and Administrative Experience

Head of Department, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2021 - 2024

Head of Department, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2021 - 2024

Deputy Head of Department, Ondokuz Mayıs University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - 2020

Advising Theses

Aslan S., İnsansız Hava Araçlarının Güzergah Planlaması İçin İmmün Plazma Algoritması Temelli Yeni Tekniklerin Geliştirilmesi, Postgraduate, E.DURMUŞ(Student), Continues

Aslan S., İnsansız Hava Araçlarının Güzergah Planlaması için Yapay Arı Koloni Algoritması Temelli Yeni Tekniklerin Geliştirilmesi, Postgraduate, N.BAKTIR(Student), Continues

Aslan S., İnsansız Hava Aracının Yapay Zeka Destekli Güzergahlarda Uçuş Performansının Farklı Yapısal Konfigürasyonlar İçin İncelenmesi, Postgraduate, L.YÖSAVEL(Student), Continues

Aslan S., Bir Hava Aracının Yapay Zeka Destekli Güzergahlarda Uçuş Performansının Farklı Kanat Profilleri İçin Analizi, Postgraduate, A.EREN(Student), Continues

Badem H., Aslan S., Development of A New Programming Approach Based on Immune Plasma Algorithm for Symbolic Regression, Postgraduate, S.BAYIR(Student), 2023

Aslan S., Demirci S., Deployment of sensor networks with immune plasma algorithm based techniques, Postgraduate, A.TAŞDEMİR(Student), 2023

Aslan S., İmmün plazma algoritması ile insansız hava araçları için sabit irtifa güzergah planlama probleminin çözülmesi, Postgraduate, T.ERKİN(Student), 2023

Aslan S., Demirci S., Bilişsel radyo ağlarında immün plazma algoritması ile kanal atama probleminin çözülmesi, Postgraduate, M.KISA(Student), 2022

Aslan S., Demirci S., Solving automatic programming problems with firefly programming method, Postgraduate, M.ALIWI(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Back-and-Forth (BaF): a new greedy algorithm for geometric path planning of unmanned aerial vehicles**
ASLAN S.
Computing, vol.106, no.8, pp.2811-2849, 2024 (SCI-Expanded)
- II. **A hospitalization mechanism based immune plasma algorithm for path planning of unmanned aerial vehicles**
ASLAN S.
International Journal of Machine Learning and Cybernetics, vol.15, no.8, pp.3169-3199, 2024 (SCI-Expanded)
- III. **An immune plasma algorithm with Q-learning based pandemic management for path planning of unmanned aerial vehicles**
Aslan S., Demirci S.
EGYPTIAN INFORMATICS JOURNAL, vol.26, pp.100468, 2024 (SCI-Expanded)
- IV. **Percentile Based Adaptive Immune Plasma Algorithm and Its Application to Engineering Optimization**
Aslan S., Demirci S., Oktay T., Yeşilbaş E.
BIOMIMETICS (BASEL), vol.8, no.6, pp.1-45, 2023 (SCI-Expanded)
- V. **Difference-based firefly programming for symbolic regression problems**
Aliwi M., Demirci S., ASLAN S.
Computer Standards and Interfaces, vol.86, 2023 (SCI-Expanded)
- VI. **A Three-Dimensional UCAV Path Planning Approach Based on Immune Plasma Algorithm**
Aslan S., Rohacs D., Yıldız M., Kale U.
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, vol.16, no.1, pp.1-19, 2023 (SCI-

Expanded)

- VII. **Path Planning of an Unmanned Combat Aerial Vehicle with an Extended-Treatment-Approach-Based Immune Plasma Algorithm**
Aslan S., Oktay T.
Aerospace, vol.10, no.5, pp.1-30, 2023 (SCI-Expanded)
- VIII. **An immune plasma algorithm based approach for UCAV path planning**
Aslan S., Erkin T.
Journal of King Saud University - Computer and Information Sciences, vol.35, no.1, pp.56-69, 2023 (SCI-Expanded)
- IX. **A multi-population immune plasma algorithm for path planning of unmanned combat aerial vehicle**
ASLAN S., ERKİN T.
Advanced Engineering Informatics, vol.55, 2023 (SCI-Expanded)
- X. **An improved immune plasma algorithm with a regional pandemic restriction**
ASLAN S., Demirci S.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.16, no.8, pp.2093-2101, 2022 (SCI-Expanded)
- XI. **An immune plasma algorithm with a modified treatment schema for UCAV path planning**
ASLAN S.
Engineering Applications of Artificial Intelligence, vol.112, 2022 (SCI-Expanded)
- XII. **A new lattice based artificial bee colony algorithm for EEG noise minimization**
ARSLAN S., ASLAN S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.38, no.1, pp.15-27, 2022 (SCI-Expanded)
- XIII. **A modified artificial bee colony algorithm for classification optimisation**
ASLAN S., ARSLAN S.
INTERNATIONAL JOURNAL OF BIO-INSPIRED COMPUTATION, vol.20, no.1, pp.11-22, 2022 (SCI-Expanded)
- XIV. **A new emigrant utilization strategy for parallel artificial bee colony algorithm**
Aslan S.
EVOLVING SYSTEMS, vol.12, no.2, pp.337-357, 2021 (SCI-Expanded)
- XV. **Modified artificial bee colony algorithms for solving multiple circle detection problem**
ASLAN S.
VISUAL COMPUTER, vol.37, no.4, pp.843-856, 2021 (SCI-Expanded)
- XVI. **A new artificial bee colony algorithm employing intelligent forager forwarding strategies**
Aslan S., KARABOĞA D., Badem H.
APPLIED SOFT COMPUTING, vol.96, 2020 (SCI-Expanded)
- XVII. **A comparative study between artificial bee colony (ABC) algorithm and its variants on big data optimization**
ASLAN S.
MEMETIC COMPUTING, vol.12, no.2, pp.129-150, 2020 (SCI-Expanded)
- XVIII. **A genetic Artificial Bee Colony algorithm for signal reconstruction based big data optimization**
Aslan S., KARABOĞA D.
APPLIED SOFT COMPUTING, vol.88, 2020 (SCI-Expanded)
- XIX. **An Artificial Bee Colony-Guided Approach for Electro-Encephalography Signal Decomposition-Based Big Data Optimization**
ASLAN S.
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.19, no.2, pp.561-600, 2020 (SCI-Expanded)
- XX. **Immune Plasma Algorithm: A Novel Meta-Heuristic for Optimization Problems**
ASLAN S., Demirci S.
IEEE ACCESS, vol.8, pp.220227-220245, 2020 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)

- XXII. **Time-based information sharing approach for employed foragers of artificial bee colony algorithm**
ASLAN S.
SOFT COMPUTING, vol.23, no.16, pp.7471-7494, 2019 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **A Transition Control Mechanism for Artificial Bee Colony (ABC) Algorithm**
ASLAN S.
COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE, vol.2019, 2019 (SCI-Expanded)
- XXV. **Time-Based Dance Scheduling for Artificial Bee Colony Algorithm and Its Variants**
Aslan S.
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, vol.12, no.2, pp.597-612, 2019 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **A new artificial bee colony algorithm to solve the multiple sequence alignment problem**
ÖZTÜRK C., Aslan S.
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, vol.14, no.4, pp.332-353, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Best Individual Guided Immune Plasma Algorithm on Solving Path Planning Problem of Unmanned Combat Aerial Vehicles**
ASLAN S., ÖZKÖK F. Ö.
UNMANNED SYSTEMS, 2024 (ESCI)
- II. **Büyük Veri Optimizasyonu için Kaynak-Bağlantılı Harmoni Arama Algoritmasının Performans Analizi**
İLERİ S. C., ASLAN S., DEMİRCİ S.
Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.15, no.2, pp.151-160, 2022 (Peer-Reviewed Journal)
- III. **Performance Analysis of Immune Plasma Algorithm with Different Donor-Receiver Configurations**
DURAKI S., ASLAN S., DEMİRCİ S.
European Journal of Science and Technology, vol.29, pp.259-263, 2021 (Peer-Reviewed Journal)
- IV. **İmmün Plazma Algoritması ile Bilişsel Radyo Ağlarında Çok Kullanıcılı Kanal Atama Probleminin Çözülmesi**
KISA M., ASLAN S., DEMİRCİ S.
European Journal of Science and Technology, vol.29, pp.304-310, 2021 (Peer-Reviewed Journal)
- V. **Mobil Hava Baz İstasyonu İçin En İyi Konumun Bulunmasında Optimizasyon Algoritmalarının Karşılaştırılması**
İLERİ S. C., ASLAN S., DEMİRCİ S.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.14, no.1, pp.68-76, 2021 (Peer-Reviewed Journal)
- VI. **Deployment in wireless sensor networks by parallel and cooperative parallel artificial bee colony algorithms**
ASLAN S.
International Journal of Optimization and Control: Theories and Applications, vol.9, no.1, pp.1-10, 2019 (Scopus)
- VII. **Best Supported Emigrant Creation For Parallel Implementation Of Artificial Bee Colony Algorithm**
KARABOĞA D., Aslan S.

ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.16, no.2, pp.2055-2064, 2016 (ESCI)

- VIII. **Çoklu ekran kartı ile hızlandırılmış ayırık haar dalgacık dönüşümü temelli görüntü sıkıştırma**
ASLAN S., BADEM H., ÖZCAN T., KARABOĞA D., BAŞTÜRK A.
Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, vol.18, no.2, pp.12-16, 2015 (Peer-Reviewed Journal)
- IX. **Çoklu Ekran Kartı ile Hızlandırılmış Ayırık Haar Dalgacık Dönüşümü Temelli Görüntü Şıkıştırma**
Aslan S., Badem H., Özcan T., Karaboğa D., Baştürk A.
KSU Mühendislik Bilimleri Dergisi, vol.18, no.2, pp.12-16, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Yapay Arı Koloni algoritması için yeni bir görevli arı fazı**
ASLAN S.
in: Mühendislik Alanında Akademik Araştırmalar, Prof. Dr. Serdar Salman, Editor, Gece Kitaplığı, Ankara, pp.9-24, 2018
- II. **Multiple-colony parallel Artificial Bee Colony (ABC) algorithm for solving wireless sensor deployment problem**
ASLAN S.
in: Academic Researches in Architecture, Engineering Planning and Design, Prof. Dr. Serdar Salman, Editor, Gece Kitaplığı, Ankara, pp.127-142, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Treatment Application Approach for Immune Plasma Algorithm Imm n Plazma Algoritması i in Yeni Bir Tedavi Uygulama Yaklaşımı**
Erkin T., Aslan S.
8th International Artificial Intelligence and Data Processing Symposium, IDAP 2024, Malatya, Turkey, 21 - 22 September 2024
- II. **A New Parallel Artificial Bee Colony Algorithm for Path Planning of Unmanned Aerial Vehicles**
ERKİN T., BAKTİR N., ASLAN S.
2023 Innovations in Intelligent Systems and Applications Conference (ASYU), Sivas, Turkey, 11 October - 13 November 2023, pp.1-6
- III. **Decision Probability based Immune Plasma Algorithm for Path Planning Problem of Unmanned Aerial Vehicles**
Erkin T., Aslan S.
2023 10th International Conference on Recent Advances in Air and Space Technologies (RAST), İstanbul, Turkey, 7 - 09 June 2023, pp.1-6
- IV. **Incremental Donor Approach for Immune Plasma Algorithm on Solving Path Planning Problem ofUCAV**
ERKİN T., ASLAN S.
2022 International Conference on Artificial Intelligence of Things (ICAIoT), 29 December 2022
- V. **Lidar Sensör Destekli Dört Rotorlu Hava Aracının Modellenmesi ve Simülasyonu**
ERKİN T., ASLAN S., YILDIZ M.
Savunma Sanayii Sempozyumu ve Sergisi '22, Kayseri, Turkey, 13 - 15 October 2022
- VI. **A New Immune Plasma Algorithm Based on Levy Flight**
Erkin T., Aslan S.
2022 30th Signal Processing and Communications Applications Conference (SIU), İstanbul, Turkey, 15 May 2022
- VII. **Performance Investigation of Immune Plasma Algorithm on Solving Wireless Sensor Deployment**

Problem

Tasdemir A., Demirci S., Aslan S.

2022 9th International Conference on Electrical and Electronics Engineering (ICEEE), Antalya, Turkey, 29 - 31 March 2022, pp.296-300

- VIII. **Solving Channel Assignment Problem in Cognitive Radio Networks with Immune Plasma Algorithm**
KISA M., DEMİRCİ S., ARSLAN S., ASLAN S.
6th International Conference on Computer Science and Engineering (UBMK), Ankara, Turkey, 15 - 17 September 2021
- IX. **A Novel Harmony Search Based Method for Noise Minimization on EEG Signals**
İLERİ S. C., ASLAN S., DEMİRCİ S.
6th International Conference on Computer Science and Engineering (UBMK), Ankara, Turkey, 15 - 17 September 2021
- X. **Performance Investigation of Parallel Immune Plasma Algorithm**
ASLAN S., DEMİRCİ S.
2021 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Turkey, 25 August 2021, pp.1-5
- XI. **UAV Placement with Animal Migration Optimization Algorithm**
DURAKI S., DEMİRCİ S., ASLAN S.
28th Telecommunications Forum (TELFOR), Belgrade, Serbia, 24 - 25 November 2020
- XII. **Performance Analysis of Parallel Differential Evolution Algorithm with Cooperative Emigrant Creation Strategy**
DEMİRCİ S., ASLAN S., İLERİ S. C.
2019 1st International Informatics and Software Engineering Conference (UBMYK), Ankara, Turkey, 6 - 07 November 2019
- XIII. **Solving UAV Localization Problem with Firefly Algorithm**
Aliwi M., Aslan S., Demirci S.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- XIV. **Firefly Programming For Symbolic Regression Problems**
Aliwi M., Aslan S., Demirci S.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- XV. **Finding Optimum Location for a Mobile Aerial Base Station with Harmony Search Algorithm**
İleri S. C., Aslan S., Demirci S.
5th International Conference on Computer Science and Engineering (UBMK), Diyarbakır, Turkey, 9 - 11 September 2020, pp.224-227
- XVI. **The Effect of The Migration Time on The Parallel Particle Swarm Optimization Algorithm**
Akşehir Z. D., Aslan S.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- XVII. **Çok-Çekirdek Kullanımının Mobil İşlemcilerin Frekansları Üzerindeki Etkisi**
KIROĞLU T. Y., YAZBAHAR H., İLERİ S. C., ASLAN S.
Akademik Bilişim 2019 (AB-2019), Ordu, Turkey, 13 - 15 February 2019, pp.1-8
- XVIII. **Konferans, Kongre ve Sempozyum Yönetim Sistemleri için Bir Mobil İstemci Uygulama**
İLERİ S. C., ASLAN S., DEMİRCİ S.
13. Uusal Yazılım Mühendisliği Sempozyumu (UYMS-2019), İzmir, Turkey, 23 - 25 September 2019, pp.15
- XIX. **Kooperatif Paralel Yapay Arı Koloni Algoritması ile DNA Motiflerinin Bulunması**
KARABOĞA D., ASLAN S., AKSOY A.
2018 International Conference on Artificial Intelligence and Data Processing (IDAP-2018), Malatya, Turkey, 28 - 30 September 2018
- XX. **Migration Pool Technique for Parallel Particle Swarm Optimization Algorithm**

ASLAN S., Soysaldi M.

4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.414-417

- XXI. **Performance Analysis of ARM big.LITTLE Architecture Based Mobile Processor with Multi-thread Face Detection**
Aslan S., Ileri S. C.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.336-339
- XXII. **Solving High Dimensional Problems with Artificial Bee Colony Algorithm on ARM Based Mobile Platform**
Aslan S., Aksoy A., GÜNAY M.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 21 - 22 September 2019
- XXIII. **Performance Analysis of ARM Architecture Based Mobile Processor with Multi-thread Image Compression**
Aslan S., Kiroglu T. Y.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.378-381
- XXIV. **Solving UAV Localization Problem with Artificial Bee Colony (ABC) Algorithm**
ASLAN S., Demirci S.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.735-738
- XXV. **Engelli Çocukların Özbakım Problemlerinin Sınıflandırılması**
BADEM H., ÇALIŞKAN A., ASLAN S.
GAP I. Uluslararası Matematik-Mühendislik, Fen ve Sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 4 - 07 October 2018, pp.310-315
- XXVI. **Motif Tahmin Probleminin Paralel Yapay Arı Koloni Algoritması ile Çözülmesi**
ASLAN S., BADEM H., ÇALIŞKAN A., KARABOĞA D.
GAP I. Uluslararası Matematik-Mühendislik-Fen ve Sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 4 - 07 October 2018, pp.299-309
- XXVII. **Derin Sinir Ağıyla Elektroensefalografi Sinyallerinden Zihinsel Durumun Saptanması**
BADEM H., ÇALIŞKAN A., ASLAN S.
Zeugma I. Uluslararası Multi Disipliner Çalışmalar Kongresi, Gaziantep, Turkey, 13 - 16 September 2018, vol.2, pp.1558-1563
- XXVIII. **Parallelizing Converge-Onlookers Artificial Bee Colony (COABC) Algorithm**
ASLAN S., BADEM H., ÇALIŞKAN A.
Zeugma I. Uluslararası Multi Disipliner Çalışmalar Kongresi, Gaziantep, Turkey, 13 - 16 September 2018, vol.2, pp.1164-1171
- XXIX. **Manyetoensefalografi Sinyallerinden Uyarılmış Potansiyellerin Analiz Edilmesi**
ÇALIŞKAN A., BADEM H., ASLAN S., SARIÇİÇEK S.
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTKB-2018), Gaziantep, Turkey, 21 - 22 June 2018, pp.266
- XXX. **Uzaktan Algılama Verilerinde Derin Öğrenme Yaklaşımlarının Performansı**
BADEM H., ÇALIŞKAN A., ASLAN S.
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTKB-2018), Gaziantep, Turkey, 21 - 22 June 2018, pp.267
- XXXI. **Performance Analysis of Artificial bee Colony Algorithm for High Dimensional Problems on ARM Based Mobile Platform**
ASLAN S., AKSOY A., GÜNAY M.
International Symposium on Multidisciplinary Studies and Innovative Technologies (ISAS-2018), Ankara, Turkey, 11 - 13 April 2018, pp.93
- XXXII. **Finding DNA Motifs with Collective Parallel Artificial Bee Colony Algorithm**
KARABOĞA D., Aslan S., Aksoy A.

- International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- XXXIII. **Performance of Parallel Artificial Bee Colony Algorithm on Solving Probabilistic Sensor Deployment Problem**
Aslan S., Aksoy A., GÜNAY M.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- XXXIV. **Solving Wireless Sensor Deployment Problem with Parallel Artificial Bee Colony Algorithm**
Aslan S., Aksoy A.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XXXV. **Performance Analysis of Graphical Processors with Calculation of Sum of Pairs Score**
Aslan S., Aksoy A., GÜNAY M.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XXXVI. **Order Based Emigrant Creation Strategy for Parallel Artificial Bee Colony Algorithm**
AKSOY A., ASLAN S., KARABOĞA D.
International Conference on Engineering Technologies (ICENTE-17), Konya, Turkey, 7 - 09 December 2017, pp.139-145
- XXXVII. **Paralel Yapay Arı Koloni Algoritması için Rastgele Kaynaklar ile Yeni Bir Göçmen Üretme Yaklaşımı**
ASLAN S., KARABOĞA D., AKSOY A.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı (ASYU-2017), Antalya, Turkey, 5 - 07 October 2017
- XXXVIII. **Performance Analysis of Artificial Bee Colony Algorithm on ARM Based Mobile Platform**
Aslan S., KARABOĞA D., Aksoy A.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.155-159
- XXXIX. **Yapay Arı Koloni Algoritması için Yeni Bir Parametre Seçim Stratejisi**
KARABOĞA D., ASLAN S.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu (ASYU-2016), Düzce, Turkey, 29 September - 01 October 2016, pp.80-85
- XL. **A New Synchronous Parallel Artificial Bee Colony Algorithm**
ASLAN S., BADEM H., KARABOĞA D., BAŞTÜRK A.
International Conference on Engineering Technology and Applied Sciences (ICETAS-2016), AFYON, Turkey, 21 - 22 April 2016, pp.1360-1365
- XLI. **Yapay Arı Koloni Algoritmasının Ekran Kartı Kümesinde Hızlandırılması**
ASLAN S., KARABOĞA D.
International Conference on Engineering Technology and Applied Sciences (ICETAS-2016), AFYON, Turkey, 20 - 21 April 2016, pp.1353-1359
- XLII. **Senkronize Paralel Yapay Arı Koloni Algoritması için Yeni Bir Göçmen Üretme Yaklaşımı**
ASLAN S., BADEM H., KARABOĞA D., BAŞTÜRK A.
International Conference on Natural Science and Engineering (ICNASE-16), Kilis, Turkey, 19 - 20 March 2016, pp.734-744
- XLIII. **A Parallel Implementation of Artificial Bee Colony Algorithm within CUDA Architecture**
ASLAN S., KARABOĞA D., ÖZTÜRK C.
International Conference on Natural Science and Engineering (ICNASE-16), Kilis, Turkey, 19 - 20 March 2016, pp.745-756
- XLIV. **Accelerating Search Tree Based Brute Force Motif Discovery Technique on a Processor Cluster**
ASLAN S., KARABOĞA D., Dogruer M.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.793-796
- XLV. **A New Emigrant Creation Strategy Based on Local Best Sources for Parallel Artificial Bee Colony Algorithm**
KARABOĞA D., ASLAN S.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.901-904

XLVI. A New Emigrant Creation Strategy for Parallel Artificial Bee Colony Algorithm

KARABOĞA D., Aslan S.

9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.689-694

XLVII. CUDA Platformunda İki Boyutlu Ayrık Haar Dalgacık Dönüşümü

ASLAN S., BADEM H., ÖZCAN T., BAŞTÜRK A.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu (ASYU-2014), İzmir, Turkey, 9 - 10 October 2014, pp.219-222

XLVIII. Accelerating Discrete Haar Wavelet Transform on GPU Cluster

ASLAN S., Badem H., KARABOĞA D., BAŞTÜRK A., ÖZCAN T.

9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.1237-1240

XLIX. Alignment of Biological Sequences by Discrete Artificial Bee Colony Algorithm

ASLAN S., ÖZTÜRK C.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.678-681

Supported Projects

ASLAN S., ERKİN T., Project Supported by Higher Education Institutions, İnsansız Hava Araçları için Yapay Zeka Destekli Güzergah Planlama Tekniklerinin Geliştirilmesi, 2024 - Continues

ÖZKÖK F. Ö., ASLAN S., Project Supported by Higher Education Institutions, İHA Görüntülerinde Hava Olaylarına Bağlı Oluşan Gürültülerin Derin Öğrenme Tabanlı Yöntemlerle Ayrıştırılması, 2023 - Continues

Aslan S., İlhan E., TUBITAK Project, Yapay Zeka Destekli Hava Araçlarının Görev Sırasındaki Manevralarının Farklı Kanat Tiplerine Göre Performans Analizi, 2024 - 2025

Aslan S., Özden E. B., TUBITAK Project, Yapay Zeka Destekli Döner Kanatlı İnsansız Hava Aracının Uçuş Performansının Analizi, 2024 - 2025

Özkök F. Ö., Aslan S., Yüksel E., TUBITAK Project, AI-based Agricultural Unmanned Aerial Vehicle Software, 2023 - 2025

Aslan S., Ünal C. N., TUBITAK Project, Dorsal Fin Geometrisi Üzerindeki Değişimlerin Aerodinamik Olarak İncelenmesi ve Moment Katsayısı Üzerindeki Etkilerinin Araştırılması, 2023 - 2024

Aslan S., Yorulmaz V., TUBITAK Project, Yapay Zeka Destekli Sabit Kanatlı İnsansız Hava Aracının Uçuş ve Manevra Performanslarının İncelenmesi, 2023 - 2024

Aslan S., Akbulut A., TUBITAK Project, Doğal Afet Bölgelerine Faydalı Yük Taşıyabilecek Çok Amaçlı VTOL İHA Tasarımı ve Üretimi, 2022 - 2024

Metrics

Publication: 87

Citation (WoS): 362

Citation (Scopus): 487

H-Index (WoS): 12

H-Index (Scopus): 12

Awards

Aslan S., Alper ATALAY Ödülleri, 29. İeek Sinyal İşleme Ve İletişim Uygulamaları Kurultayı Bilim Kurulu, December 2021

Aslan S., Bilgisayar Mühendisliđi Bölümü, Bölüm Birinciliđi, Erciyes Üniversitesi, June 2011

Aslan S., Mühendislik Fakültesi, Fakülte Üçüncülüđü, Erciyes Üniversitesi, June 2011