

Asst. Prof. SEVGİ YİĞİT SERT

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2012 - 2021

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2009 - 2012

Undergraduate, Anadolu University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Advanced methods for diversification of results in general-purpose and specialized search engines, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, 2021

Postgraduate, Kuantum-Kaskat Lazerlerin Karakteristik Niceliklerinin Yapay Arı Kolonisiyle Eğitilmiş Sinir Ağları ile Modellenmesi , Ankara University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2012

Academic Titles / Tasks

Research Assistant, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - Continues

Courses

Automata Theory, Undergraduate, 2022 - 2023

Özel Konular II, Undergraduate, 2022 - 2023

Android Operating System For Mobile Devices, Undergraduate, 2021 - 2022

Veri Yapıları, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. A NEW CURVE FITTING BASED RATING PREDICTION ALGORITHM FOR RECOMMENDER SYSTEMS

Ar Y., Amrahov Ş., Gasilov N., Yiğit Sert S.

KYBERNETIKA, vol.58, no.3, pp.440-455, 2022 (SCI-Expanded)

II. Explicit diversification of search results across multiple dimensions for educational search

Yigit-Sert S., Altıngövdde İ. S., Macdonald C., Ounis I., Ulusoy O.

JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY, vol.72, no.3, pp.315-330, 2021 (SCI-Expanded)

III. Supervised approaches for explicit search result diversification

Yigit-Sert S., Altıngövdde İ. S., Macdonald C., Ounis I., Ulusoy O.

INFORMATION PROCESSING & MANAGEMENT, vol.57, no.6, 2020 (SCI-Expanded)

IV. Evolutionary approaches for weight optimization in collaborative filtering-based recommender systems

YİĞİT SERT S., AR Y., BOSTANCI G. E.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.3, pp.2121-2136, 2019 (SCI-Expanded)

V. Optical gain model proposed with the use of artificial neural networks optimised by artificial bee colony algorithm

Yigit S., ERYİĞİT R., Celebi F. V.

OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.5, no.9, pp.1026-1029, 2011 (SCI-Expanded)

Articles Published in Other Journals

I. Software Cost Estimation using Enhanced Artificial Bee Colony Algorithm

YİĞİT SERT S., KÜLLÜ P.

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, vol.9, no.4, pp.67-70, 2018 (ESCI)

II. A Thread Building Blocks Based Parallel Genetic Algorithm

BOSTANCI G. E., AR Y., YİĞİT SERT S.

International Journal of Research and Reviews in Applied Sciences, vol.31, no.1, pp.1-8, 2017 (Peer-Reviewed Journal)

III. A complete CAD model for type-I quantum cascade lasers with the use of artificial bee colony algorithm

Yigit S., TUĞRUL B., Celebi F. V.

Journal of Artificial Intelligence, vol.5, no.2, pp.76-84, 2012 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. An Artificial Bee Colony Based Mapping Method for Three Dimensional Network-on-Chip

KÜLLÜ P., YİĞİT SERT S., ÖZKAN OKAY M., AR Y.

2023 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), NAMİBİA, 16 - 18 August 2023

II. Evolutionary Fuzzy Adaptive Motion Models for User Tracking in Augmented Reality Applications

Ar Y., Ünal M., Yiğit Sert S., Bostancı G. E., Kanwal N., Güzel M. S.

2018 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 19 - 21 October 2018, pp.409-412

III. Evolutionary Fuzzy Adaptive Motion Models for User Tracking in Augmented Reality Applications

AR Y., ÜNAL M., YİĞİT S., BOSTANCI G. E., Kanwal N., GÜZEL M. S.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2018, Kizilcahamam, Ankara, Turkey, 19 - 21 October 2018

IV. Towards Detecting Media Bias by Utilizing User Comments

YİĞİT SERT S., ALTINGÖVDE İ. S., ULUSOY Ö.

8th ACM Web Science Conference (WebSci), Hannover, Germany, 22 - 25 May 2016, pp.374-375

- V. **Optical gain modelling in type I and type II quantum cascade lasers by using adaptive neuro-fuzzy inference system** Tip I ve tip II kuantum-kaskat lazerlerdeki optik kazançların uyarlamalı sinirsel bulanık denetim sistemi kullanılarak modellenmesi

ÇELEBİ F. V., YÜCEL M., Yiğit S.

2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Muğla, Turkey, 18 - 20 April 2012

Supported Projects

Ar Y., Ünal M., Yiğit Sert S., Bostancı G. E., Project Supported by Higher Education Institutions, Artırılmış Gerçeklik Uygulamalarında GPS-INS Tabanlı Kullanıcı Takibi için Akıllı Hareket Modeli Seçim Yöntemi Geliştirilmesi, 2016 - 2018
Yiğit Sert S., Altıngövde İ. S., Newton Programme Project, Prediction, Diversification and Recommendation Models for Educational Search, 2015 - 2016

Metrics

Publication: 13

Citation (WoS): 33

Citation (Scopus): 51

H-Index (WoS): 4

H-Index (Scopus): 4

Scholarships

2211 - Yurt İçi Doktora Burs Programı, TÜBİTAK, 2012 - 2017