

Lect. PhD SERKAN KAYGIN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-9337-2021

Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, Turkey 1995 - 2001

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, Turkey 1993 - 1995

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, Turkey 1988 - 1993

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Software Engineering, Bioinformatics

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Graduate School of Informatics, Information Systems, 2018 - Continues

Courses

SM 512 OBJECT ORIENTED PROGRAMMING AND DATA STRUCTURES (with Java), Postgraduate, 2022 - 2023, 2018 - 2019, 2017 - 2018

SM 528 SOFTWARE ARCHITECTURE, Postgraduate, 2021 - 2022

DI 592 MATHEMATICS FOR DATA INFORMATICS, Postgraduate, 2022 - 2023, 2021 - 2022

IS 545 OBJECT ORIENTED PROGRAMMING AND DATA STRUCTURES (with Python), Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. ALX4 dysfunction disrupts craniofacial and epidermal development

Kayserili H., Uz E., Niessen C., VARGEL İ., ALANAY Y., Tuncbilek G., Yigit G., Uyguner O., Candan S., Okur H., et al. HUMAN MOLECULAR GENETICS, vol.18, no.22, pp.4357-4366, 2009 (SCI-Expanded)

II. Shape recognition using attributed string matching with polygon vertices as the primitives

Kaygin S., Bulut M.

PATTERN RECOGNITION LETTERS, vol.23, pp.287-294, 2002 (SCI-Expanded)

III. **A new one-pass algorithm to detect region boundaries**

Kaygin S., Bulut M.

PATTERN RECOGNITION LETTERS, vol.22, no.10, pp.1169-1178, 2001 (SCI-Expanded)

Supported Projects

Kaygin S., TUBITAK Project, Mekansal Bilgi Destekli Çok Amaçlı Yeni Nesil BPA Analiz ve Takip Sistem, 2021 - 2023

Kaygin S., Ongun G., TUBITAK Project, Kan Hizmet Birimleri için Makine Öğrenme Teknolojileri Destekli Bütüncül Yönetim Sistemi, 2020 - 2022

Kaygin S., Ongun G., TUBITAK Project, Girişimsiz (Non-Invasive) Kan Kalite Parametreleri Ölçüm Sistemi, 2019 - 2022

Kaygin S., TUBITAK Project, Uyuşturucu Kullanım Tespiti İçin Kantitatif Biyosensör Temelli Ölçüm Cihazının Geliştirilmesi, 2017 - 2020

Kaygin S., Ongun G., TUBITAK Project, Buluta Hazır, Hızlı Uygulama Geliştirmeye Yönelik Şablon Destekli, Yenilikçi Bir Uygulama Çatısı Geliştirilmesi, 2016 - 2018

Kaygin S., TUBITAK Project, YENİ NESİL GENETİK TANI VE ARAŞTIRMA SİSTEMİ (GeneSense), 2013 - 2016

Kaygin S., Ongun G., TUBITAK Project, Terapötik Kullanımlı 3 Boyutlu (3B) Kültürlerin Büyütülmesi Amacıyla Yeni Nesil Tek Kullanımlık Biyoreaktör Sistemlerinin Geliştirilmesi, 2011 - 2013

Kaygin S., Ongun G., TUBITAK Project, Kan Tedarik Zinciri Yönetim ve Etkin/Güvenli Transfüzyon Karar Destek Sistemi, 2010 - 2013

Kaygin S., FP6 Project, DINAMICS (DIagnostic NANotech and MICrotech Sensors), 2007 - 2011

Metrics

Publication: 3

Citation (WoS): 103

Citation (Scopus): 115

H-Index (WoS): 3

H-Index (Scopus): 3