

Asst. Prof. ÇİĞDEM SAZAK TURGUT

Personal Information

Office Phone: [+90 464 223 7518](tel:+904642237518) Extension: 1129

Email: cigdem.sazakturgut@erdogan.edu.tr

Web: <https://avesis.erdogan.edu.tr/cigdem.sazakturgut>

International Researcher IDs

ORCID: 0000-0003-0600-5630

Yoksis Researcher ID: 311563

Education Information

Doctorate, University of Durham, Computer Science, United Kingdom 2015 - 2019

Postgraduate, University of Leicester, Computer Science, United Kingdom 2013 - 2014

Undergraduate, Sakarya University, Faculty Of Engineering, Bilgisayar Mühendisliği, Turkey 2007 - 2011

Research Areas

Computer Sciences, bioinformatics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2020 - Continues

Lecturer PhD, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2019 - 2021

Academic and Administrative Experience

Deputy Head of Department, Recep Tayyip Erdogan University, 2020 - Continues

Courses

Digital Logic Desing, Undergraduate, 2021 - 2022

Görüntü İşleme, Undergraduate, 2019 - 2020

Bilgisayar Programlama ve Yazılım, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

1. **The multiscale top-hat tensor enables specific enhancement of curvilinear structures in 2D and 3D images**
Alharbi S. S., Sazak C., Nelson C. J., Alhasson H. F., Obara B.

METHODS, vol.173, pp.3-15, 2020 (SCI-Expanded)

II. The multiscale bowler-hat transform for blood vessel enhancement in retinal images

Sazak C., Nelson C. J., Obara B.

PATTERN RECOGNITION, vol.88, pp.739-750, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Keskinleştirme Metodunun Lateral Sefalometrik Radyografilerde İskeletsel Noktalar Üzerindeki Etkinliği

GONCA M., SAZAK TURGUT Ç.

7. Uluslararası Hipokrat Tıp ve Sağlık Bilimleri Kongresi, Turkey, 03 September 2021

II. DETERMINING THE NUMBER OF PEOPLE IN THE BUILDING FOR EARTHQUAKE INFORMATION SYSTEMS BY IMAGE PROCESSING AND ARTIFICIAL INTELLIGENCE

Tören M., Sazak Turgut Ç., Kına M., Eskicioğlu B., Arslan Ö.

5. Uluslararası Erciyes Bilimsel Araştırmalar Kongresi, Kayseri, Turkey, 16 - 18 April 2021, vol.1, no.1, pp.201-211

III. The Multiscale Bowler-Hat Transform for Vessel Enhancement in 3D Biomedical Images

SAZAK TURGUT Ç., Shuaa S. A., Boguslaw O.

29TH BRITISH MACHINE VISION CONFERENCE, 3 - 06 September 2018

IV. The Multiscale Bowler-Hat Transform for Vessel Enhancement in 3D Biomedical Images

Sazak Turgut Ç.

British Machine Computer Vision, Newcastle-Upon-Tyne, United Kingdom, 31 August - 02 September 2018, pp.1-13

V. Curvilinear Structure Enhancement by Multiscale Top-Hat Tensor in 2D/3D Images

Alharbi S. S., Sazak C., Nelson C. J., Obara B.

IEEE International Conference on Bioinformatics and Biomedicine (BIBM), Madrid, Spain, 3 - 06 December 2018, pp.814-822

VI. CONTRAST-INDEPENDENT CURVILINEAR STRUCTURE ENHANCEMENT IN 3D BIOMEDICAL IMAGES

Sazak C., Obara B.

IEEE 14th International Symposium on Biomedical Imaging (ISBI) - From Nano to Macro, Melbourne, Australia, 18 - 21 April 2017, pp.1165-1168

Metrics

Publication: 8

Citation (WoS): 42

Citation (Scopus): 51

H-Index (WoS): 4

H-Index (Scopus): 3

Scholarships

YLSY, Ministry of Education, 2012 - 2018