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Personal Information

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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 Engıneerıng, 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

I. **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