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Education Information

Doctorate, Cankaya University, Faculty Of Engineering, Department Of Electronics And Communications Engineering, Turkey 2013 - 2017

Postgraduate, Middle East Technical University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2010 - 2012

Foreign Languages

English, C1 Advanced

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

Assistant Professor, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - Continues Expert, Cankaya University, Faculty Of Engineering, Department Of Electronics And Communications Engineering, 2010 - 2021

Expert, Cankaya University, Faculty Of Engineering, Department Of Industrial Engineering, 2009 - 2010

Academic and Administrative Experience

Deputy Head of Department, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - Continues

Courses

Ağ programlaması, Undergraduate, 2013 - 2014 Elektriksel Devre Analizi ve Enstrümantasyon + Lab., Undergraduate, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

I. Effect of unconventional current-phase relation of Josephson junction on escape rate in ac SQUID Askerzade İ., Askerbeyli R. T., ÜLKÜ İ.

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VI. Sparse representations for online-learning-based hyperspectral image compression

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VII. Sparse coding of hyperspectral imagery using online learning

Ulku İ., Toreyin B. U.

SIGNAL IMAGE AND VIDEO PROCESSING, vol.9, no.4, pp.959-966, 2015 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Semantic Segmentation of Crop Areas in Remote Sensing Imagery using Spectral Indices and Multiple Channels

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15th International Conference on Machine Vision (ICMV), Rome, Italy, 18 - 20 November 2022, vol.12701

II. Comparison of Single Channel Indices for U-Net Based Segmentation of Vegetation in Satellite Images

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III. Hyperspectral Image Compression Using an Online Learning Method

Ulku İ., Toreyin B. U.

Conference on Satellite Data Compression, Communications, and Processing XI, Maryland, United States Of America, 23 - 24 April 2015, vol.9501

IV. LOSSY COMPRESSION OF HYPERSPECTRAL IMAGES USING ONLINE LEARNING BASED SPARSE CODING

Ulku İ., Toreyin B. U.

International Workshop on Computational Intelligence for Multimedia Understanding (IWCIM), Paris, France, 1 - 02 November 2014

Metrics

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