

Asst. Prof. Gülşen Taşkın Kaya

Personal Information

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Address: İTÜ Deprem Mühendisliği ve Afet Yönetimi Enstitüsü, Maslak, Sarıyer

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik Anabilim Dalı, Turkey 2003 - 2011

Post Graduate, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik Anabilim Dalı, Turkey 2001 - 2003

Under Graduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 1998 - 2001

Associate Degree, Yıldız Teknik Üniversitesi, Meslek Yüksekokulu, Harita Pr., Turkey 1996 - 1998

Foreign Languages

English

Dissertations

Doctorate, Support Vector Selection and Adaptation and Its Application to Earthquake Damage Assessment, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik Anabilim Dalı, 2011

Post Graduate, Fay değiştirgenlerinin belirlenmesinde gps tabanlı bir jeodezik ağ geometrisinin eniyilemesi, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik Anabilim Dalı, 2003

Research Areas

Technical Sciences, Geotechnical Engineering, Remote sensing, Image Processing, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing

Academic Titles / Tasks

Assistant Professor, İstanbul Teknik Üniversitesi, Deprem Mühendisliği Ve Afet Yönetimi Enstitüsü, 2018 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, Deprem Mühendisliği Ve Afet Yönetimi Enstitüsü, 2012 - 2018

Lecturer PhD, İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2012

Research Assistant, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik Anabilim Dalı, 2001 - 2011

Research Assistant, Purdue University, School Of Electric And Computer Engineering, 2008 - 2009

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **An Out-of-Sample Extension to Manifold Learning via Meta-Modeling**
Taşkın Kaya G., Crawford M. M.
IEEE TRANSACTIONS ON IMAGE PROCESSING, vol.28, pp.5227-5237, 2019 (Journal Indexed in SCI)
- **Selection of PolSAR Observables for Crop Biophysical Variable Estimation With Global Sensitivity Analysis**
Erten E., Taşkın Kaya G., Lopez-Sanchez J. M.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.16, pp.766-770, 2019 (Journal Indexed in SCI)
- **Feature Selection Based on High Dimensional Model Representation for Hyperspectral Images**
Taşkın Kaya G., Kaya H., Bruzzone L.
IEEE TRANSACTIONS ON IMAGE PROCESSING, vol.26, pp.2918-2928, 2017 (Journal Indexed in SCI)
- **A Hybrid Model for Classification of Remote Sensing Images With Linear SVM and Support Vector Selection and Adaptation**
Kaya G.
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, vol.6, pp.1988-1997, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- **The Second GRSS Turkey Chapter Summer School [Chapters]**
Taşkın Kaya G., Erten E., Ertürk A., Taşdemir K.
IEEE GEOSCIENCE AND REMOTE SENSING MAGAZINE, vol.4, pp.76-78, 2016 (Journal Indexed in ESCI)

Supported Projects

Taşkın Kaya G., Project Supported by Higher Education Institutions, A COMPARISON OF DIFFERENTIAL EVOLUTION AND HARMONY SEARCH METHODS FOR SVM MODEL SELECTION IN HYPERSPECTRAL IMAGE CLASSIFICATION, 2016 - 2018

Taşkın Kaya G., Project Supported by Higher Education Institutions, A NOVEL METHOD FOR FEATURE SELECTION WITH RANDOM SAMPLING HDMR AND ITS APPLICATION TO HYPERSPECTRAL IMAGE CLASSIFICATION, 2015 - 2018

Taşkın Kaya G., Project Supported by Higher Education Institutions, Recursive Feature Selection Based on Non-parallel SVMs and Its Application to Hyperspectral Image Classification, 2014 - 2018

Taşkın Kaya G., Project Supported by Higher Education Institutions, Yüksek Boyutlu Model Gösterimi ile DVM Yöntemi Model Seçimi, 2013 - 2018

Taşkın Kaya G., Project Supported by Higher Education Institutions, FEATURE SELECTION BY HIGH DIMENSIONAL MODEL REPRESENTATION AND ITS APPLICATION TO REMOTE SENSING, 2012 - 2018

Scientific Refereeing

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, SCI Journal, January 2012

IEEE Transactions on Geoscience and Remote Sensing, SCI Journal, January 2011

Citations

Total Citations (WOS):18
h-index (WOS):3