

## Asst. Prof. MURAT DURMAZ

### Personal Information

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### Education Information

Post Doctorate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği/Geomatik Lab., Turkey 2015 - 2016

Post Doctorate, Technische Universitaet München, Alman Geodetic Araştırmalar Enstitüsü (Dgfi), Germany 2013 - 2014

Doctorate, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Jeodezi Ve Coğrafi Bilgi Teknolojileri, Turkey 2007 - 2013

Post Graduate, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Jeodezi Ve Coğrafi Bilgi Teknolojileri, Turkey 2003 - 2007

Under Graduate, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 1996 - 2002

### Research Areas

Geotechnical Engineering, Industrial Measurements, GPS-GNSS, Image Processing, Earth Observations (Remote Sensing), Mechatronics, Optimization, Numerical Analysis, Real-time software, Numerical modeling, Simulation

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Geomatik Mühendisliği Bölümü, 2019 - Continues

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

- I. **Near real-time estimation of ionosphere vertical total electron content from GNSS satellites using B-splines in a Kalman filter**  
ERDOĞAN E., SCHMİDT M., SEİTZ F., Durmaz M.  
ANNALES GEOPHYSICAE, vol.35, no.2, pp.263-277, 2017 (Journal Indexed in SCI)
- II. **Regional vertical total electron content (VTEC) modeling together with satellite and receiver differential code biases (DCBs) using semi-parametric multivariate adaptive regression B-splines (SP-BMARS)**  
Durmaz M., KARSLIOĞLU M. O.  
JOURNAL OF GEODESY, vol.89, no.4, pp.347-360, 2015 (Journal Indexed in SCI)
- III. **Non-parametric regional VTEC modeling with Multivariate Adaptive Regression B-Splines**  
Durmaz M., KARSLIOĞLU M. O.  
ADVANCES IN SPACE RESEARCH, vol.48, no.9, pp.1523-1530, 2011 (Journal Indexed in SCI)
- IV. **Regional VTEC modeling with multivariate adaptive regression splines**  
Durmaz M., KARSLIOĞLU M. O., Nohutcu M.  
ADVANCES IN SPACE RESEARCH, vol.46, no.2, pp.180-189, 2010 (Journal Indexed in SCI)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. Regional VTEC Modeling Over Turkey Using MARS (Multivariate Adaptive Regression Splines)**  
KARSLIOĞLU M., Durmaz M., NOHUTCU M.  
EGU General Assembly 2010, Viyana, Austria, 2 - 07 May 2010, vol.12

## **Scientific Refereeing**

Journal of Geodesy, SCI Journal, June 2018  
Journal of Geodesy and Geoinformation, National Scientific Refreed Journal, June 2015  
Journal Of Geodesy, SCI Journal, July 2014  
Advances in Space Research, SCI Journal, May 2014

## **Citations**

Total Citations (WOS):49  
h-index (WOS):4

## **Non Academic Experience**

Business Establishment Private, Modesis Makina Elektronik Ve Bilişim Teknolojileri Ltd. Şti.  
Business Establishment Private, Bilgi Bilgi Sistemleri A.Ş.  
Business Establishment Private, Bilgi Bilgi Sistemleri A.Ş.