

**1st Workshop on
Satellite Observations and Geoscience Applications
(SOGA)**

November 17, 2016, "Ahmet Zengin Hall", Ground floor of Faculty of Economics
and Administrative Sciences, BEUN, Zonguldak, Turkey.

| | |
|-------------|--|
| 09:00-09:10 | Welcome Speech Dean and Head (Bulent Ecevit University, Turkey) |
| 09:10-11:00 | Session 1: Satellite Observation Techniques Chairs: Cetin Mekik, Shuanggen Jin |
| 09:10-09:40 | VADASE real-time GPS monitoring: reliability evaluation and improvement Giorgio Savastano (University of Rome, Italy) |
| 09:40-10:10 | GPS accuracy of today and the future for geoscience applications Ugur Sanli (Yildiz Technical University, Turkey) |
| 10:10-10:30 | Deformation Monitoring Using Radar Interferometry Saygin Abdikan (Bulent Ecevit University, Turkey) |
| 10:30-11:00 | What can Satellite Geodesy do? Recent results and advances Shuanggen Jin (Shanghai Astronomical Observation, CAS, China, Bulent Ecevit University, Turkey) |
| | Group Photo & Break |
| 11:20-12:30 | Session 2: Crustal Deformation Monitoring Chairs: Hakan Kutoglu, Hasan Yildiz |
| 11:20-11:50 | The nature and evolution of surface creep along the North Anatolian Fault deduced from InSAR, GPS and creepmeter observations Ziyadin Çakır (Istanbul Technical University, Turkey) |
| 11:50-12:10 | Vertical land motion along the Black Sea coast from Tide Gauge, Satellite Altimetry and GPS Nevin Betul Avsar (Bulent Ecevit University, Turkey) |
| 12:10-12:30 | Linear and Nonlinear Response of Concrete Faced Rockfill Dams Considering Reservoir Water Effects Murat Emre Kartal (Bulent Ecevit University, Turkey) |

| | |
|-------------|--|
| | Lunch |
| 14:00-15:30 | Session 3: GNSS Geodesy and Applications Chairs: Ziyadin Çakır, Ugur Sanli |
| 14:00-14:30 | Tectonic Applications of the Satellite Observations in Turkey Bahadır Aktug (Ankara University, Turkey) |
| 14:30-14:50 | Seasonal variations of GPS vertical coordinate time series in Turkey Gokhan Gurbuz (Bulent Ecevit University, Turkey) |
| 14:50-15:10 | Tectonic kinematics and modelling in East Mediterranean and Caucasus from space geodesy Bahruz Ahadov (Institute of Geology, Azerbaijan) |
| 15:10-15:30 | High-order ionospheric effects on GPS-estimated tropospheric delay and PWV Volkan Akgul (Bulent Ecevit University, Turkey) |
| | Break |
| 15:50-17:30 | Session 4: Satellite Observations Applications Chairs: Bahadır Aktug, Giorgio Savastano |
| 15:50-16:20 | Geoid Determination in Turkey using GRACE and GOCE based global models Hasan Yildiz (General Command of Mapping, Turkey) |
| 16:20-16:40 | On Elevation Irregularities of the ALOS World 3D-30m (AW3D30) Digital Elevation Model (DEM) Kazimierz Becek (Wroclaw University of Technology, Poland) |
| 16:40-17:00 | Soil moisture estimation over bare soils and vegetated areas using SAR data Ali ihsan Sekertekin (Bulent Ecevit University, Turkey) |
| 17:00-17:30 | Collaboration Discussion and Close Session |