

## GUEST EDITORIAL PREFACE

# Special Issue on the 5.Uzal-Cbs Symposium

*Derya Maktav, Department of Geomatics Engineering, Istanbul Technical University, Istanbul, Turkey*

UZAL-CBS (Remote Sensing-GIS) Symposium series is organized every two years by the leadership of the Geomatics Engineering Department of the Istanbul Technical University (ITU) in cooperation with different institutions in different locations of Turkey. The acronym UZAL-CBS stands for “UZAL=Uzaktan Algılama=Remote Sensing; CBS= Coğrafi Bilgi Sistemleri=Geographic Information Systems”. It is a very popular symposium in Turkey on combining the areas of remote sensing and GIS with the main objective to bring together experts in multidisciplinary technologies, both from the governmental and private sectors to disseminate knowledge and to share their expertise and experiences in present and future applications and development of remote sensing and GIS. This event has been started in ITU on 2006 by Prof. Dr. Derya Maktav from ITU who is also the Council member and the national representative of Turkey by European Association of Remote Sensing Laboratories (EARSeL). The second and third UZAL-CBS continued in Kayseri Erciyes University (KEU) on 2008, and in Gebze Institute of Technology (GYTE) on 2010, respectively. The fourth UZAL-CBS was held in Bülent Ecevit University (BEU) in Zonguldak on 2012 with the cooperation of BEU Geomatics Engineering Department, ITU Geomatics Engineering Department and the Turkish Chamber of Survey and Cadaster Engineers (HKMO). The last UZAL-CBS was held in Yıldız Technical University (YTU) on October 14-17, 2014 with the cooperation of YTU Surveying Engineering Department, ITU Geomatics Engineering Department and the HKMO. The event will be hosted by the Çukurova University on 2016.

In the 5. Symposium 75 oral and 30 poster presentations were performed in totally 16 oral and 1 poster sessions, subjecting remote sensing and GIS applications mainly on climate change, agriculture, 3D modeling, disaster management, laser-lidar applications, sensor systems, GIS in local and central organizations, remote sensing, digital image processing, environment, urbanization and change detection.

A panel session on ‘Remote sensing and GIS from student perspective’ chaired by Prof. Maktav has been organized by contribution of the six student panelists from ITU, YTU, BEU, KEU, Selçuk University (SU) and Karadeniz Technical University (KTU).

This Special Issue features selected papers from the 5. UZAL-CBS Symposium, which took place on 2014 in Istanbul. 5 papers are selected for the International Journal of 3D Information Modeling Special Issue:

- Dynamic disaster coordination system with WEB based HTML5 API (Çinal, H., et al.);
- Production of landslide susceptibility map using bayesian probability model (Akıncı, H., et al.);
- Oblique aerial image acquisition, 3D city modeling, 3D city guide project for Konya Metropolitan Municipality (Özerbil, T., et. al.);
- The use of the terrestrial photogrammetry in reverse engineering applications (Yastıklı, N., et al.);
- Detection of urban expansion by using DMSP-OLS, LANDSAT data and linear spectral unmixing method (Uysal, C.; Maktav, D.).

The sixth paper in this issue is not part of the special issue.

The guest editor would like to thank the scientific committee of the 5. UZAL-CBS event for doing an impressive job and selecting these papers presented during the symposium. Special thanks go to all the reviewers of this Special Issue, who helped in completing it in a short time.

*Derya Maktav*  
*Guest Editor*  
*IJ3DIM*