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Fifth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2017)

**Kyriacos Themistocleous
Silas Michaelides
Giorgos Papadavid
Vincent Ambrosia
Gunter Schreier
Diofantos G. Hadjimitsis**
Editors

**20–23 March 2017
Paphos, Cyprus**

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Introduction

The organizing committee, scientific committee, and editors would like to thank the authors and participants who attended the Fifth International Conference on Remote Sensing and Geoinformation of Environment in Paphos, Cyprus, which took place 20–23 March 2017. The conference focused on emerging issues in remote sensing and geoinformation of environment. The keynote speakers and thought-provoking technical program encouraged the exchange of ideas and provided the foundation for future collaboration and innovation. The RSCy2017 was organized by the Cyprus Remote Sensing Society, in cooperation with, ESA (European Space Agency), NASA, ETEK (Cyprus Scientific and Technical Chamber), the Department of Meteorology, the Department of Electronic Communications of the Ministry of Communications and Works, GEO (Group on Earth Observations), DLR (German Aerospace Center), the Agricultural Research Institute, Copernicus, HellasGIS, and Neapolis University. RSCy2017 was supported by the Cyprus Research Promotion Foundation, Copernicus, the Copernicus Relays network and the Copernicus Academic network, as well as the CLIMA, PROTHEGO and ATHENA project.

The papers in this volume, reviewed for presentation and accepted for publication by the scientific committee, represent continued advancements in the field of remote sensing and geoinformation. The program, which included both oral and poster presentations, was organized around twelve major themes: Agriculture, Atmospheric, Coastal Waters-Ocean-Large Water Regions, Remote Sensing for Cultural Heritage, Forests, Geology, GIS, Natural Hazards and Disaster Response, Remote Sensing, Surveillance and Urban Environment. The abstracts and subsequent papers make important contributions to the open scientific literature on remote sensing and geoinformation. We thank the authors for sharing their knowledge and enthusiasm. Experts from over 35 countries are represented in the papers that were presented. As well, the conference was enhanced by the inclusion of the workshops, "Defense and Security Applications," "Exploitation of Copernicus data at ERDAS IMAGINE," "Remote Sensing for Cultural Heritage Beyond Europe," under the auspices of the ATHENA project; and "Enjoyment of Cultural Heritage By Means of New and Old Media," which was developed within the frame of the Action Programme of the Joint Programming Initiative on Cultural Heritage and Global Change.

We are honored that so many experts from all over the world specializing in so many diverse areas of remote sensing and geoinformation are attending this conference. RSCy2017 was an excellent opportunity for colleagues to share their knowledge, network and collaborate on future research. We encourage you to take this opportunity to learn about the latest, most state-of-the-art findings and applications in the field of remote sensing and geoinformation.

Thank you to the scientific committee, keynote speakers, and session chairs, who provided invaluable assistance during the conference. Thank you as well to the staff at SPIE for following the proceedings through the publication process. We also thank our sponsors for their support.

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