PROCEEDINGS OF SPIE

Sixth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2018)

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

26–29 March 2018
Paphos, Cyprus

Organized by
Cyprus Remote Sensing Society (Cyprus)

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Published by
SPIE

Volume 10773

Proceedings of SPIE 0277-786X, V. 10773

SPIE is an international society advancing an interdisciplinary approach to the science and application of light.

Sixth International Conf. on Remote Sensing and Geoinformation of the Environment (RSCy2018),
K. Themistocleous, G. Papadavid, S. Michaelides, V. Ambrosia, D. G. Hadjimitsis, Eds., Proc. of SPIE Vol. 10773,
1077301 · © 2018 SPIE · CCC code: 0277-786X/18/$18 · doi: 10.1117/12.2510369

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Please use the following format to cite material from these proceedings:
Author(s), "Title of Paper," in *Sixth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2018)*, edited by Kyriacos Themistocleous, Giorgos Papadavid, Silas Michaelides, Vincent Ambrosia, Diofantos G. Hadjimitsis, Proceedings of SPIE Vol. 10773 (SPIE, Bellingham, WA, 2018) Seven-digit Article CID Number.

ISSN: 0277-786X
ISSN: 1996-756X (electronic)

ISBN: 9781510621176
ISBN: 9781510621183 (electronic)

Published by
SPIE
P.O. Box 10, Bellingham, Washington 98227-0010 USA
Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445
SPIE.org
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Printed in the United States of America.

Publication of record for individual papers is online in the SPIE Digital Library.

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Introduction

The organizing committee, scientific committee, and editors would like to thank the authors and participants who attended the Sixth International Conference on Remote Sensing and Geoinformation of Environment (RSCy2018), which was held 26–29 March 2018 in Paphos, Cyprus. The RSCy2018 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. RSCy2018 was organized by the Cyprus Remote Sensing Society, in cooperation with ESA (European Space Agency), GEO (Group on Earth Observations), NASA, Copernicus, the Cyprus University of Technology, DLR (German Aerospace Center), ETEK (Cyprus Scientific and Technical Chamber), the Department of Meteorology, the Department of Electronic Communications of the Ministry of Communications and Works, the Agricultural Research Copernicus, Neapolis University, the International Society for Photogrammetry and Remote Sensing (ISPRS), and the European Cooperation in Science and Technology (COST). Supporters of the RSCy2018 included the Cyprus Research Promotion Foundation, Joint Programming Initiative, Copernicus, the Copernicus Relays network and the Copernicus Academy network, FabSpace 2.0, as well as the EXCELSIOR, CLIMA, PROTHEGO and ATHENA projects.

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 15 major themes: Agriculture, Atmospheric, Coastal Waters-Ocean-Large Water Regions, Remote Sensing for Cultural Heritage, Environmental Remote Sensing, Forests, Geology, GIS, Land Cover, LIDAR, Natural Hazards and Disaster Response, Remote Sensing, Satellites, UAVs, and Urban Environment. The abstracts and subsequent manuscripts 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 40 countries are represented in the abstracts that are presented in the conference program. At the conference closing ceremony, awards were given for the best paper and best poster, following peer-review. To be eligible for the best paper and best poster award, it was necessary for the authors to have submitted a manuscript for this proceedings volume, to have registered for the conference, and present their paper or poster.

The conference was enhanced by the inclusion of the workshops "Research, Educational and Entrepreneurial Opportunities in Earth Observation: Interactive Networking and Collaboration- the EXCELSIOR Workshop," "SEO-DWARF Workshop," "Information Extraction from Laser Scanning Data Workshop," and the "GIS Session" under the auspices of the ATHENA project as well as the PROTHEGO

National Event. One of the highlights of this year's conference was the Copernicus Infosession, which was organized by the Copernicus Commission of the European Union in collaboration with the Department Electronic Communications of the Ministry of Transport, Communications and Works, the Cyprus Remote Sensing Society, and the ERATOSTHENES Research Center under the EXCELSIOR program.

We are honored that so many experts from all over the world specializing in so many diverse areas of remote sensing and geoinformation attended this conference. This conference 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.

Special thanks are due to the session chairs who provided invaluable assistance during the event. We also thank the SPIE staff for following the proceedings through the publication process. We also thank our sponsors for their support.

Kyriacos Themistocleous
Giorgos Papadavid
Silas Michaelides
Vincent Ambrosia
Diofantos G. Hadjimitsis

Conference Sponsorship and Support

Conference Organizer
Cyprus Remote Sensing Society (Cyprus)

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Department of Electronic Communications of the Ministry of Communications and Works (Cyprus)
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EXCELSIOR (Cyprus)
Copernicus (Belgium)
ETEK (Cyprus Scientific and Technical Chamber, Cyprus)
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