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Web and Wireless Geographical Information Systems

16th International Symposium, W2GIS 2018
A Coruña, Spain, May 21–22, 2018
Proceedings

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ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Computer Science
ISBN 978-3-319-90052-0 ISBN 978-3-319-90053-7 (eBook)
<https://doi.org/10.1007/978-3-319-90053-7>

Library of Congress Control Number: 2018939623

LNCS Sublibrary: SL3 – Information Systems and Applications, incl. Internet/Web, and HCI

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part of Springer Nature
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

Recent developments in wireless Internet technologies have generated an increasing interest in the diffusion and processing of a large volume of geo-spatial information. Spatially enabled wireless and Internet devices also offer new ways of accessing and analyzing this geo-referenced information in both realworld and virtual spaces. Consequently, new challenges and opportunities have appeared in the GIS research community.

These proceedings contain the papers selected for presentation at the 16th edition of the International Symposium on Web and Wireless Geographical Information Systems (W2GIS) held in A Coruña, Spain, in May 2018 and hosted by the University of A Coruña. This symposium is intended to provide an up-to-date review of advances in both theoretical and technical development of Web and wireless GIS. It was the 16th in a series of successful events beginning with Kyoto 2001, and mainly alternating locations annually between East Asia and Europe. It provides an international forum for discussing advances in theoretical, technical, and practical issues in the field of wireless and Internet technologies suited for the dissemination, usage, and processing of geo-referenced data.

W2GIS is organised as a full two-day symposium and is recognized as a leading forum for dissemination and discussion on the latest research and development achievements in the Web GIS and wireless domains. The submission process was successful this year, attracting papers from almost all over the world. This demonstrates not only the growing importance of this field for researchers but also the growing impact these developments have in the daily lives of all citizens.

Each paper received at least three reviews and was ranked accordingly. The accepted papers are all of excellent quality and cover topics that range from Web technologies and techniques, paths and navigation, location-based service, Web visualization, and novel applications.

We wish to thank the authors who contributed to this symposium, for the high quality of their papers and presentations, and the Springer LNCS team, for their support. We would also like to thank the Program Committee for the quality and timeliness of their evaluations. Many thanks to the Steering Committee for providing continuous advice and recommendations. Finally, we appreciate the local Organizing Committee for their continuous support, and Kimia Amouzandeh, from the University of Tehran, for her contributions in the process of organizing the conference proceedings.

March 2018

Miguel R. Luaces
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