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Preface

This volume contains the papers selected for presentation at the 11th edition of the International Symposium on Web and Wireless Geographical Information Systems (W2GIS 2012), hosted by the University of Naples "Federico II" in the dazzling city of Naples, Italy, in April 2012.

W2GIS is a series of events alternating between Europe and East Asia. It aims at providing a forum for discussing advances in theoretical, technical, and practical issues in the field of wireless and Internet technologies suited for the spreading, usage, and processing of geo-referenced data. W2GIS now represents a prestigious event within the research community that continues to develop and expand.

For the 2012 edition, we received 32 submissions from 12 countries in 4 continents. Each paper received three reviews and based on these reviews, 13 full papers and 4 short papers were selected for presentation at the symposium and inclusion in Springer LNCS Volume 7236. The accepted papers are all of excellent quality and cover topics that range from mobile GIS and location-based services to spatial information retrieval and wireless sensor networks.

We had the privilege of having a distinguished invited talk by Christopher B. Jones from the School of Computer Science at Cardiff University (UK). The best paper of the symposium was selected by the Steering Committee and invited to submit an extended version for publication in the *Journal of Spatial Information Science*.

We wish to thank all authors that contributed to this symposium for the high quality of their papers and presentations. Our sincere thanks go to Springer's LNCS team. We would also like to acknowledge and thank the Program Committee members for the quality and timeliness of their reviews. Finally, many thanks to Christophe Claramunt, Michela Bertolotto, and the entire Steering Committee members for providing continuous support and advice.

April 2012
Sergio Di Martino
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