

Farid Karimipour  
Sabine Storandt (Eds.)

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# Web and Wireless Geographical Information Systems

19th International Symposium, W2GIS 2022  
Constance, Germany, April 28–29, 2022  
Proceedings



Springer

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*Editors*

Farid Karimipour   
Institute of Science and Technology Austria  
Klosterneuburg, Austria

Sabine Storandt  
Universität Konstanz  
Konstanz, Baden-Württemberg, Germany

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# 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 real-world 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 19th edition of the International Symposium on Web and Wireless Geographical Information Systems (W2GIS 2022) held in April 2022 and hosted by the University of Konstanz.

The symposium is intended to provide an up-to-date review of advances in both the theoretical and technical development of web and wireless geographical information systems. The 2022 edition was the 19th in a series of successful events, beginning with W2GIS 2001 in Kyoto and mainly alternating locations annually between East Asia and Europe.

W2GIS is organized as a full two-day symposium and 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.

This year, the submissions process attracted papers from almost all continents, demonstrating not only the growing importance of this field for researchers but also the growing impact these developments have on the daily lives of all citizens.

Each paper received at least three reviews and was ranked accordingly. The 13 accepted papers are all of excellent quality and cover topics such as web technologies and techniques, paths and navigation, movement analysis, web visualization, and novel applications.

We wish to thank the authors who contributed to this workshop for the high quality of their papers and presentations and their support of Springer LNCS. We would also like to thank the Program Committee for the quality and timeliness of their evaluations.

Finally, many thanks to the Steering Committee for providing continuous advice and recommendations.

April 2022

Farid Karimipour  
Sabine Storandt

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