



Call for Papers



20th International Symposium on Web and Wireless Geographical Information Systems (W2GIS 2023)

June 12-13, 2023
Quebec city, Canada

<https://sites.google.com/view/w2gis2023>

Symposium Chairs

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Important Dates

- January 15th, 2023 – Full paper submission
- February 27th, 2023 – Notification of acceptance
- March 19th, 2023 – Camera-Ready copy due

Recent advances in web and wireless technologies have generated increasing interest in the processing and diffusion of large volume of geospatial data for different applications. Spatially enabled mobile devices also offer new ways of accessing and analyzing geospatial information. Consequently, new challenges and opportunities have emerged in GIScience research community. This symposium provides experts and participants with the opportunity to meet and discuss the latest advances both in theoretical and technical developments on the Web and Wireless Geographical Information Systems (W2GIS). This is the 20th in a series of successful events started in Kyoto 2001 and then subsequently moved between Asia, Europe and North America. .

Topics

We invite submissions that address theoretical, technical, and practical issues of W2GIS and location-based services. Suggested topics include, but are not limited to:

- *Geospatial databases and spatio-temporal data management*
- *Mobile spatial interaction*
- *Movement analysis*
- *Spatial search, GeoWeb search engines and services*
- *Location-based social networks*
- *On-line spatial data mining*
- *GeoSensor data acquisition, processing, management and analysis*
- *Smart environments, Internet of Things and ambient spatial intelligence*
- *Exploratory cartography and Web and wireless geo interfaces*
- *Advanced GIS visualization techniques for Web and mobile location-based applications*
- *Cyber-geography & augmented reality*
- *Map personalization and adaptation*
- *3D modelling of cityscapes for location-based services*
- *Ubiquitous and wireless GIS*
- *Security, privacy, and usability issues of Web and wireless environments*
- *Semantic geospatial Web and interoperability*
- *User studies and evaluations of online geo services*
- *Indoor and outdoor wayfinding and navigation*
- *Crowdsourcing and volunteered geographic information*
- *Telematics, GIS and location-based applications*
- *LBS and transportation applications*
- *Wireless-based location-aware applications*

We invite three types of contributions

- full papers to present scientific results (limited to 16 pages),
- work in progress papers to present on-going work (limited to 10 pages) and
- showcase papers for live presentations of research prototypes and products (limited to 4 pages).

Each paper must be written in English, it must be submitted in PDF, and it must be formatted using the Springer camera-ready templates available at the Springer Lecture Notes in Computer Science website. All contributions must be uploaded through the submission site at EasyChair: <https://easychair.org/conferences/?conf=w2gis2023>.

All submissions will be refereed for quality, originality, and relevance by the Program Committee. Accepted papers will be published in the Springer LNCS series.



