Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in nor is under consideration by other journals. All open submissions will be peer reviewed subject to the standards of the journal. Manuscripts based on previously published conference papers must be extended substantially.

Springer offers authors, editors and reviewers of *GeoInformatica* a web-enabled online manuscript submission and review system. Our online system offers authors the ability to track the review process of their manuscript.

Manuscripts should be submitted to: [http://gein.edmgr.com](http://gein.edmgr.com). This online system offers easy and straightforward log-in and submission procedures, and supports a wide range of submission file formats.

**Important Dates**

- **Paper Submission:** 28 February 2016
- **Acceptance Notification:** 7 April 2016
- **Final Paper Submission:** 29 April 2016

Call for Papers

**Special Issue on Map Interaction**

**Guest Editors:**

- Dr.-Ing. Christian Kray, Institute for Geoinformatics, University of Münster, Germany (c.kray@uni-muenster.de)
- Dr. Falko Schmid, GuidingPeople, Bremen, Germany (falko.schmid@guidingpeople.com)
- Holger Fritz, Institute for Geoinformatics, University of Münster, Germany (h.fritze@uni-muenster.de)

Spatial information has become the backbone of countless applications, services, and research endeavors at various scales. We use spatial information to find our ways outdoors and indoors, to identify locations, to reason about spatial relations, to analyze the environment, to plan buildings and land use, to create the infrastructures and services of smart cities of the future, or to realize autonomous vehicles. The ubiquitous availability of spatial information enables exciting possibilities but also creates important challenges across all domains: How can we efficiently make use of spatial data? How can we identify information that really matters, e.g. during wayfinding in indoor and outdoor environments? How can we understand spatial relationships? How can we enable a broad range of people to easily specify complex spatial queries? How can we ensure that buildings are correctly specified?

In many cases, users directly or indirectly interact with (complex) spatial information to achieve their goals in different domains and in various contexts such as decision-making, location-based services or GIS. Consequently, well-designed interactions with spatial data are a key step towards obtaining meaningful answers to the questions and problems that arise in these contexts. If the interaction is intuitive and efficient, spatial interfaces also become enjoyable in addition to being reliable tools.

The purpose of this special is to solicit high quality research papers that advance the state of the art in interacting with maps and geospatial information in general. We invite submission reporting on original research addressing topics including but not limited to:

- Map Interaction
- Spatial User Interfaces and Interaction Techniques
- Human-Computer Interaction with Spatial Information and Representations
- Interactive Spatial Visual Analytics
- Spatial Visualization Techniques
- Multi-modal Spatial Interfaces
- Tangible Interfaces for Spatial Information
- Interaction Design for Small, Large, Shared or Ambient Displays
- Algorithms for Interactive and Dynamic Maps
- Multi-user Interaction, Cooperation, Collaboration

The list of topics above is indicative – further topics are welcome if they clearly relate to interaction with spatial information. We are explicitly looking for submissions from diverse domains and disciplines including (but not limited to):

- Cartography
- Location-Based Services
- Geography
- Architecture
- Smart Cities
- Health
- Disaster Management
- Volunteered Geographic Information/Crowdsourcing

All papers will undergo the same rigorous GEIN review process. Please refer to the GEIN website for detailed instructions on paper submission. Please choose “Special Issue: Map Interaction” as the Article Type.