



Interactive 3D Cartography

Guest Editors:

Prof. Dr. Lorenz Hurni

ETH Zurich, Institute of
Cartography and
Geoinformation, Zurich ZH,
Switzerland

Dr. Hans Rudolf Bär

Institute of Cartography and
Geoinformation, ETH Zurich,
Zurich, Switzerland

Dr. René Sieber

1. Chair "Commission on
Atlases", International
Cartographic Association (ICA)
2. Institute of Cartography and
Geoinformation, ETH Zurich,
Zurich, Switzerland

Deadline for manuscript
submissions:

closed (10 April 2019)

Message from the Guest Editors

Dear Colleagues,

Cartography comprises the visualisation of geographical objects and spatially distributed phenomena by means of abstraction, generalization and representative symbols. With the advancement of 3D computer graphics, human-computer interaction (HCI) methods, and new devices, the possibilities of creating new types of map representations and interaction types have dramatically increased. In this Special Issue, we would like to invite you to submit contributions towards novel 3D visualisations, methodologies, and technologies for interactive cartographic applications. Topics may range from cartographic 3D geo-data models, abstracted 3D representation and symbolization of topographic and thematic geo-data, analysis and visual exploration of the geo-data space on different devices and media, innovative interaction modalities, up to applications in various scientific domains. The Special Issue should identify ways to present, analyse, and explore interactions for new three-dimensional immersive geo-data spaces.

Prof. Dr. Lorenz Hurni

Dr. Hansruedi Bär

Dr. René Sieber

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Mark Billinghurst

1. School of Information
Technology and Mathematical
Sciences, University of South
Australia, Adelaide, SA 5000,
Australia
2. Empathic Computing
Laboratory, The University of
Auckland, Auckland 1010, New
Zealand

Message from the Editor-in-Chief

Towards the end of 2018, I was approached to be the new Editor-in-Chief for the *Multimodal Technologies and Interaction (MTI)* journal. I was honored to be considered and happily accepted the role, starting in January 2019.

MTI is a new journal, and since starting in 2017, has published over 800 papers, with the number of publications continuing to grow. As Editor-in-Chief, I would like to continue increasing the number of high-quality papers that we publish, and in addition, work towards improving the journal in other ways, such as getting the journal listed on ISI, establishing an impact factor, and increasing our social media presence.

I would also like to better engage with the research community, including bringing some new members onto the Editorial Board, focusing the journal on the latest areas of interest, marketing at leading conferences and, most importantly, getting feedback from our readers.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Inspec](#), [dblp Computer Science Bibliography](#), and other databases.

Journal Rank: JCR - Q2 (Computer Science, Cybernetics) / CiteScore - Q1 (Neuroscience (miscellaneous))

Contact Us

*Multimodal Technologies and
Interaction* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mti
mti@mdpi.com
[X@MDPI_MTI](#)