

## Special Issue

# Advances in Localization and Navigation (GIS Ostrava 2021)

### Message from the Guest Editors

The current globalized world counts on localized data and location-aware services in a broad list of domains. People use their mobile devices for navigation in day-to-day professional and leisure time activities, companies automate their production or distribution, (unmanned) vehicles autonomously carry out given tasks separately or even cooperatively, and practically everything can be tracked during its movement. This Special Issue, which stems from the conference “GIS Ostrava 2021:

Advances in Localization and Navigation”, welcomes submissions on (but not limited to) the following topics:

- Localization via wireless networks
- Satellite positioning and navigation
- Vision-based localization and navigation
- Inertial localization and navigation
- Fusion of sensors and technologies
- Autonomous operation of vehicles and robots
- Simultaneous navigation and mapping (SLAM)
- Cooperative localization and navigation, intelligent transportation
- Artificial intelligence in localization and navigation
- Indoor navigation
- Pedestrian navigation
- Location-based services
- High-definition maps
- Standards and interoperability
- Algorithms and software development

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### Guest Editors

Dr. Guenther Retscher

Prof. Dr. Ondrej Krejcar

Prof. Dr. Vassilis Gikas

Dr. Michal Kačmařík

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### Deadline for manuscript submissions

closed (30 June 2021)



## ISPRS International Journal of Geo- Information

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Impact Factor 2.8  
CiteScore 7.2



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Geo-Information*  
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### Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

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### Editor-in-Chief

Prof. Dr. Wolfgang Kainz  
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