Geosciences and their use in the field of Civil Engineering

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Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editors

Geosciences, transport, construction and geodesy overlap and coexist in many common areas. The main purpose of the Geoscience Special Edition, to which we invite all scientists and researchers representing the above-mentioned discipline of science, is to create a common platform for the exchange of ideas, ideas for research and experience with the use of methods commonly used in geosciences. We are currently observing the dynamic development of artificial intelligence and a huge share of methods based on these assumptions in a very broad sense of science. Interdisciplinary caused by the universality of methods based on artificial intelligence prompted us to propose this kind of research as part of our special edition.

Potential topics:

1. Spatial information in the analysis of traffic data
2. GIS as a model of visualization of geophysical data
3. Elements of artificial intelligence in methods of geodetic monitoring
4. Deep learning methods in the analysis of image data
5. Programming of urban development zones and protection based on spatial information
6. Supporting the decision-making process with spatial information in construction and planning

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Special Issue

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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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