Sensors and Materials

Multisource Geospatial Information for Geoscience Applications and Social Sustainability

Call for Papers

For this Special Issue we are collecting original research contributions focused on the methods and applications of geoscience, data science, and information science for sensor data acquisition, filtering, management, analysis, visualization, and discovery from multiple data sources, i.e., geospatial big data, environment data, society data, IoT data, and other sensor data. Just a few of the key applications are geoscience for human, environment, and social monitoring and change detection, including urban and land-use dynamics; environmental and biological anomaly detection; health care monitoring; social and mobility sensing, characterization, and monitoring; and urban or social sustainability monitoring and evaluation regarding. For example, self-driving data processing, citizens' mobility sensing, transportation forecasting and analysis, and emergency management.

Location information is connected to everything from entities to events. Recent studies based on academic developments have aimed to address the gap between geospatial information science, traditional information science, and geoscience applications. Another area in our rapidly developing world requiring more attention is social sustainability owing to limited resources and an increasing population. New challenges and opportunities still exist in the application of geoscience to sustainability.

Scope:

- Sensing-related work for high-definition maps used in autonomous driving
- Dynamic monitoring, analysis, and prediction in urban infrastructure, environmental, biological, and other social fields
- Geoscience applications for social sustainability and computations, including but not limited to health care, biological monitoring, land use, and hydrological management
- Sensor-related or geospatial information (such as remote sensing images) related to smart city applications
- Urban resilience theory and application
- Carbon-neutral research cases or methods

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If you have any questions, please feel free to contact the editorial staff at the address below.

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