

Special Issue

Digital Twins of the Earth: Contribution to a More Sustainable Society

Message from the Guest Editors

We are experiencing the fifth technological transformation, moving from digital to smart society. In this innovative context, the interaction pattern known as Digital Twin plays an important role in making our society and its development more sustainable. This Special Issue aims to collect significant and valuable examples of knowledge, methodologies, technologies, and applications related to Digital Twin in the fields of Earth Observation and Geospatial science. This Special Issue encourages the submission of original manuscripts that have the themes of the Digital Twin pattern, remote sensing, and sustainable development. A few topics, which are not exhaustive, are given as examples:

- Digital Twin of the Earth system or sub-systems;
- Geospatial Digital Twin for monitoring/managing complex systems;
- The role of Earth Observation in the Cyber-physical domain;
- The use of natural and social observation systems for the process of societal demarcation;
- The use of Digital Twins for simulation and/or prediction of the behaviour of natural or social systems.

Guest Editors

Prof. Dr. Stefano Nativi

National Research Council of Italy, Roma, Italy

Prof. Paolo Mazzetti

National Research Council of Italy, Roma, Italy

Deadline for manuscript submissions

closed (29 August 2025)



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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editors-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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