# **Special Issue**

# Advanced Pre-Earthquake Sensing and Detection Technologies

# Message from the Guest Editors

A significant challenge for the science community is understanding earthquake processes and other geohazards in the context of rapidly changes to the Earth as a result of the Sun's activities and exacerbating climate change. This volume presents the latest results of cross-disciplinary space- and ground-based studies on the synergy of pre-earthquake processes. It advances earlier interdisciplinary results from studies of the Earth's global environment with ground- and/or space-borne multi-instrument observations. Over the last 30 years, international community cooperation has shown the existence of pre-earthquake phenomena and suggested the concept of lithosphere-atmosphereionosphere coupling (LAIC), which indicates that different types of disturbances in the lithosphere electromagnetic, electrical, mechanical, and geochemical—accompany the earthquake preparation process. However, there are still a few open questions regarding differences in space weather and other influences, bio-sensing phenomena, and the role of triggers in the occurrence of earthquakes.

### **Guest Editors**

Dr. Dimitar Ouzounov

Institute for Earth, Computing, Human and Observing, Chapman University, CA, USA

Dr. Katsumi Hattori

Graduate School of Science, Chiba University, 1-33, Yayoi, Inage, Chiba 263-8522, Japan

### Deadline for manuscript submissions

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

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#### Editor-in-Chief

#### Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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