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SAR and Optical Data for Crustal Deformation Monitoring

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Message from the Guest Editors

Dear Colleagues,

Earth observation by remote sensing sensors, operating on board of satellites and aircrafts, is playing a key role in understanding the dynamic processes of our planet. Nowadays, a number of techniques and algorithms, such as Synthetic Aperture Radar (SAR) Interferometry and its evolutions, have been developed, aiming at extracting meaningful information from Earth observation sensors. In particular, crustal deformation studies can benefit from the improved capabilities of the new remote sensing systems operating in the last decade. The availability of several space missions, which provide high-resolution data and wide-swath images with low revisit time (thanks to satellite constellations, e.g., the Sentinels of the European Space Agency) are now offering huge datasets of SAR and Optical images that allow a better knowledge and new insights into the physical processes that evolve under our feet. This Special Issue is focused on the most recent and up-to-date techniques and methods based on both SAR and Optical imagery.

Dr. Christian Bignami
Dr. Cristiano Tolomei
Guest Editors

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Message from the Editor-in-Chief

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