

## Special Issue

# New Technologies and Data Analysis Methods for Seismic Monitoring

### Message from the Guest Editors

Since the last decade, seismology has been characterized by an exponential growth of data, mainly due to the increasing number of high-quality seismic networks being installed around the world. Modern microseismic networks based on new sensor technologies allow detecting a massive number of tiny earthquakes, generating an extremely large dataset for analysis. The analysis of such a huge amount of data highlights the limits of standard routines for seismic analysis. Exploiting these new massive datasets is a challenge that can be overcome only by using new-generation, automated, and noise-robust data analysis methods. Waveform-based detection and location methods have grown in popularity, and their application has dramatically improved seismic monitoring capability. Moreover, machine learning approaches to data-intensive seismic analysis are showing promising results, opening new horizons for the development of innovative, fully automated, and noise-robust methods. This Special Issue aims to highlight advances in the development of new monitoring technologies and data analysis methods. For more information, please click: [mdpi.com/si/60071](https://mdpi.com/si/60071)

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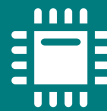
### Guest Editors

Dr. Francesco Grigoli  
Dr. Simone Cesca  
Dr. Claudio Satriano

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### Deadline for manuscript submissions

closed (30 July 2021)



## Sensors

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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