Remote sensing is a technique for acquiring information about a distant object using a sensor. Among the various remote sensing technologies, remote sensing mainly involves observing electromagnetic waves from objects on the earth’s surface or in the atmosphere using sensors mounted on platforms such as artificial satellites, aircraft, and UAVs. The study of remote sensing encompasses the science and technology used to obtain information on objects in various fields, such as land environment; air environment/weather forecasting; ocean/land water environment; agriculture, forestry, and fisheries; geological survey/resource development; snow and ice environment; disaster response; surveying/civil engineering; and maritime security/defense. Remote sensing is also used in research and business and for the observation of both the earth and celestial bodies, such as the moon, planets, asteroids, and sun.

For this special issue, with the purpose of clarifying the direction of future remote sensing technology, we are calling for papers on advanced hardware technology for remote sensing; observation and data science methods for extracting useful information from big data observed by remote sensing; and research on the practical use of remote sensing data to meet social needs in both emergencies and daily life. Topics of interest include, but are not limited to:

**Scope:**
- Optical sensors
- Thermal sensors
- Microwave sensors
- Microbial sensors
- Imaging sensors
- LiDAR
- Data analysis
- Integration of remote sensing data and models
- Land use/land cover
- Practical use of satellite aircraft and UAV data

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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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