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# GNSS Sensing and Imaging Based on Monitoring Applications

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## Message from the Guest Editors

The global navigation satellite system (GNSS) is a worldwide set of satellite navigation constellations, civil aviation augmentations, and user equipment. A global navigation satellite system is the space-based radio navigation and positioning system that can provide users with all-weather, three-dimensional coordinates, speed, and time information at any place on the Earth's surface or in near-Earth space. Satellite navigation and positioning technology has replaced ground-based radio navigation, traditional geodesy, and astronomical navigation and positioning technology and promoted the brand-new development of navigation and positioning. The GNSS is about to enter a new stage in the next few years. Abundant navigation data are able to improve satellite navigation availability, accuracy, and reliability. Still, at the same time, there are also many problems such as frequency resource competition, satellite navigation market competition, time and frequency dominance competition, and compatibility and interoperability debates.

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