Precision Orbit Determination of Satellites

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Message from the Guest Editors

In the past several decades, satellites represented by Global Navigation Satellite System (GNSS) and low Earth orbit (LEO) satellites have been widely used in positioning, sensing and communications. With the development of GNSS and LEO constellations, more satellites and signals are available for these scientific missions. LEO-enhanced GNSS has brought benefits for positioning, navigation and timing (PNT) services, and is expected to serve space science applications. However, precise orbit determination (POD) is a significant prerequisite for these applications. It is believed that with the emergence of new theories and technologies, the performance of satellite POD is likely to be further improved. In this Special Issue, we are looking for papers describing new POD methods with GNSS and LEO. In addition, this Special Issue aims to explore the possible benefits of the PNT brought by GNSS, LEO and their combination with POD.

Special Issue

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Message from the Editor-in-Chief

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