Bernhard Hofmann-Wellenhof,
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GNSS – Global Navigation Satellite Systems

GPS, GLONASS, Galileo & more

"GNSS – GPS, GLONASS, Galileo & more" is the extension of the scientific bestseller "GPS – Theory and Practice" to Global Navigation Satellite Systems (GNSS) by including the Russian GLONASS, the European system Galileo, and additional systems. As long as possible, the book refers to GNSS in the generic sense to describe the reference systems for coordinates and time, the satellite orbits, the satellite signals, observables, mathematical models for positioning, data processing, and data transformation. With respect to the individual systems GPS, GLONASS, Galileo & more, primarily the specific reference systems, the services, the space and the control segment, as well as the satellite signals are described. Furthermore, augmentations by space- and ground-based systems are discussed.

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