



LSGI Distinguished Lecture Series

System Biases in GNSS (A Review)

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Date : 15 February 2017 (Wednesday)

Time : 4:30p.m.

Venue : Z504

Education

PH.D., Geodesy, Uppsala University, 1989

Electrical and Electronics Engineering, Huazhong University of Science and Technology, 1977

Abstract

In GNSS systems, there is a special type of system error, known as system biases, which is a result of small delays between the events that ideally should have been simultaneous in transmission of signal from a satellite or in the reception of the signal in a GNSS receiver. In order to fully take advantage of any one or multiple GNSS constellations available, especially for providing high precision service (e.g. orbits and clocks) or for high precision applications (e.g. PPP-AR, ionospheric modeling), there is great need to address the issues related to various system biases, regardless they exist within single constellation or when there are multiple constellations involved. The objective of this study is to review the types of GNSS system biases and understand them, as well as how to derive them and finally how to eliminate them.

All interested are WELCOME!

Registered attendees will receive a Certificate of Attendance after lecture.

To register, please go to link: <https://www.polyu.edu.hk/mysurvey/index.php/643749>

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