Institute Lecture

Prof. Harald Schuh

Technische Universität Berlin (TU Berlin)

Contribution of Geodesy to Monitoring Global Changes and Natural Hazards

@ 6.15 pm | Monday, March 02, 2020

Venue: L 16 (LHC)

About the Talk

Earth offers a wondrous combination of interconnected systems. From its molten core below to the ionosphere above, planetary layers interact dynamically, moving constantly, affecting climate and environment, and impacting life of all forms on the planet. Geodesy quantifies these changes and helps to understand the underlying processes well enough to identify their root causes and to anticipate and respond to future changes.

This presentation deals with one essential tool to capture these changes with unprecedented precision, i.e. Space Geodesy. This aspect of geodesy is studied using natural or artificial celestial bodies as observed objects or as observing platform. This talk will touch upon the multidisciplinary nature of geodesy that involves collaboration with Earth scientists, physicists, mathematicians, electrical and civil engineers and computer scientists, among others.

About the Speaker

Harald Schuh is a Professor for Satellite Geodesy at Technische Universität Berlin (TU Berlin). He is also the Director of Department 'Geodesy' at Helmholtz-Centre Potsdam – GFZ German Research Centre for Geosciences, Potsdam. He holds his degree from University of Bonn, Germany. Presently, Prof. H. Schuh is the chair of the German Geodetic Commission (DGK) and the honorary president of the International Association of Geodesy (IAG). He is the Convener or Co-Convener of several national and international symposia, meetings and workshops. His research interests are space geodesy (VLBI, GNSS), Earth rotation, geodynamics, reference frames, troposphere, ionosphere. He has co/authored over 400 publications and co/edited over 13 national and international publications (books, proceedings, or special issues).

All are invited to attend

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