

29.06.2016, 15:15

KlimaCampus Kolloquium

Toshiro Tanimoto

Seismic and acoustic waves in the whole Earth system

Our study of the Earth has been compartmentalized by traditional disciplines such as atmospheric science, ocean science, and solid-earth science. However, seismic and acoustic waves refract and propagate through the whole Earth system, not being confined to any one of the medium.

I will show examples of waves that transcend these disciplines and discuss how they might be useful for getting new insights into natural hazard phenomena. Topics will include seismic waves generated by hurricanes (typhoons) and tornadoes and how they provide complementary information to satellite and other atmospheric data. I will also touch on the ambient seismic (noise) wavefield, called the microseisms and the hum, that might be useful for monitoring global climate.

Toshito Tanimoto from the University of California, Santa Barbara (CA), is invited by Céline Hadziioannou, Universität Hamburg/CEN.

Bundesstraße 53, Room 22/23 (ground floor)