

Institute Lecture



Prof. Will Featherstone

University of Curtin, Australia

Geodesy? What on Earth's that?



@ 6.15 pm | Wednesday, October 16, 2019
Venue: L17, LHC IIT Kanpur

About the talk

Geodesy is traditionally the scientific basis behind positioning and navigation (i.e., the study of the size, shape and gravity field of the Earth), but has now found a range of diverse applications in Earth observation using techniques such as GPS and satellite-borne radar. Though geodesy may be seen as a branch of applied mathematics, this presentation will involve zero equations. Instead, it will focus on the application areas of geodesy and their societal relevance. It will also touch upon the new multidisciplinary nature of geodesy that involves collaboration with Earth scientists, physicists, mathematicians, electrical engineers and computer scientists, among others.

About the speaker

Will Featherstone is Professor of Geodesy at Curtin University in Perth, Australia. He has recently been appointed Visiting Professor at IIT Kanpur. Professor Featherstone holds degrees from Newcastle and Oxford Universities. He and his colleagues have computed national standards for conversion of GPS heights to Australian heights. His other research interests are very diverse, ranging from using geodesy to correct the sea level record and measure plate tectonics, using satellite radar to monitor land subsidence, through to the use of gravity and topography to discover 280 new craters on the Moon. He has co/authored over 160 papers and attracted \$12.5M in research funds.

All are invited to attend

Dean of Research and Development