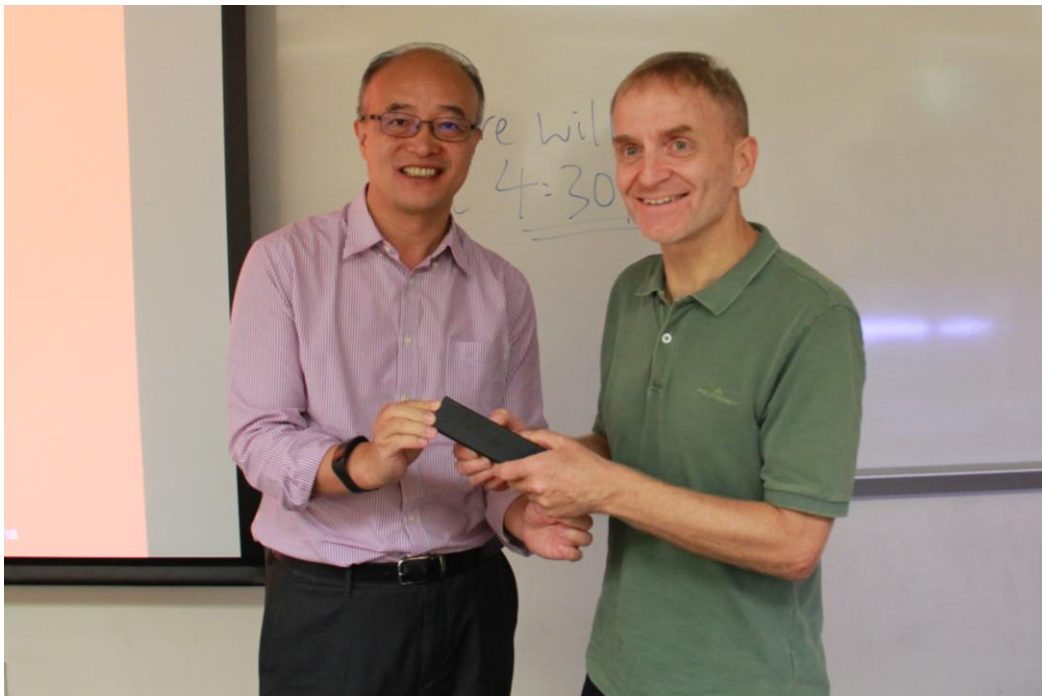## LSGI Distinguished Lecture

Topic: Persistent Scatterer Pair (PSP) SAR Interferometry: Approach and Applications with COSMO-SkyMed Data

Overview

It was our pleasure to invite Dr. Mario Costantini, Head of Algorithm and Processing-System Engineering e-GEOS, Italy, to deliver a seminar of the LSGI Distinguished Lecture Series on 18 October 2016.

Mario Costantini received the PhD in Geoinformation from the University "Tor Vergata," Rome, and, the Dottore Degree in Physics from the University "La Sapienza," Rome, Italy. In the course of his career, he worked in different universities and international research organizations, among which the European Space Agency and the NASA. He is currently the Head of Algorithm and Processing-System Engineering at e-GEOS, a company of the Italian Space Agency (ASI) and Telespazio, Rome.

Dr. Costantini's scientific and technical activity has focused on signal processing, remote sensing, and satellite Earth observation applications. He has worked extensively on development of models, algorithms, and processors for synthetic aperture radar interferometry, phase unwrapping, radargrammetry, data fusion, image segmentation and edge detection, super-resolution, tomography, radiative transfer, and, in general, for model inversion and automatic recognition from contextual, multitemporal and multispectral/hyperspectral data. He has contributed to the development of satellite Earth observation applications like ground deformation monitoring, digital elevation models (DEMs), ship and oil spill detection, wind and waves determination, forest fire detection, etc.

Dr. Costantini is author of several international patents and scientific papers. He received awards for the realization of technical innovations from ESA, NASA, and Finmeccanica holding.