

Hochschule für Technik Stuttgart

Photogrammetry and Remote Sensing: – A global perspective

Public lecture by **Professor Ian Dowman, UCL London**

Tuesday, November 23rd, 2010 15:45h

HFT Lecture room U37, Building 1, Lower floor

Photogrammetry and remote sensing have undergone immense changes during the past 10 to 15 years. The biggest change has been the move from analogue to digital data capture and processing, but new sensors, such as high resolution satellite sensors, lidar and radar have been accepted into production chains, the use of low cost cameras has become widespread, and data from different sources are integrated to produce new and better information. Along with these technical developments, society has demanded value for money from technology, so the recognition of societal benefits and the use of technology to solve global issues such as climate change and disaster management has become a priority. This lecture will review the changes in technology and also the institutional developments, and will look at how these have affected the science of photogrammetry and remote sensing, and how these subjects will look in the future.

Ian Dowman is Emeritus Professor of Photogrammetry and Remote Sensing at University College London (UCL) and First Vice President of the International Society of Photogrammetry and Remote Sensing, (ISPRS). He has spent most of his career working at UCL, initially carrying out research with aerial and close range photography, but moving towards an interest in the application of digital aerial and satellite data to mapping. He retired from UCL in 2009, but is still active in teaching and international activities. Ian Dowman has been involved in ISPRS for many years as a Working Group chair, Commission President, Secretary General, President, and is now First Vice President of ISPRS. In these positions he has represented ISPRS at UN fora, particularly the Committee on Peaceful Uses of Outer Space (COPUOS), at The Group on Earth Observations (GEO) and CEOS. Ian has also been chair of the sub group on Terrain Mapping of the CEOS Working Group on Calibration and Validation, and of the EuroSDR Science Committee.