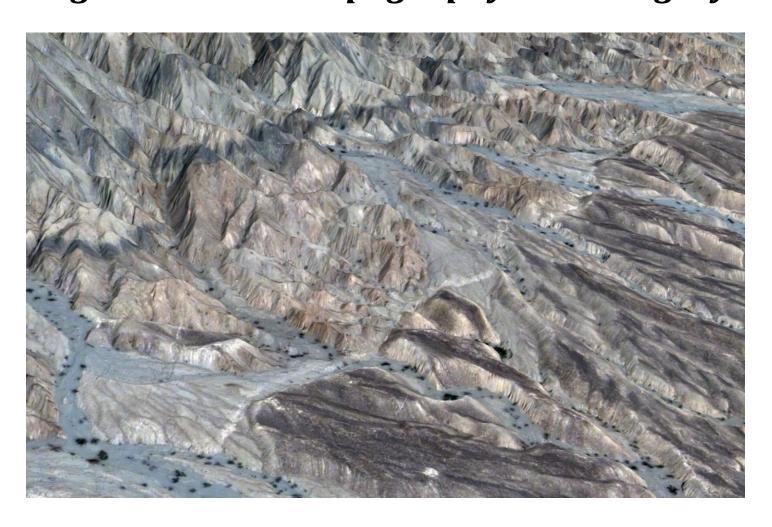
## Tectonics from Above: Recent Advances in the Use of High-resolution Topography and Imagery



## RAS Specialist Discussion Meeting

Royal Astronomical Society, Burlington House, Piccadilly, London 13<sup>th</sup> March 2015

Programme can be downloaded from: comet.nerc.ac.uk







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## Friday 13<sup>th</sup> March 2015

09.30	Registration & Coffee
10.30	Introduction – Richard Walker
Session 1: Chaired by Richard Walker	
10.35	Sebastien Leprince (Caltech)  Tracking 3D ground changes using multi-temporal stereo satellite imagery
11.05	Dimitri Lague (University of Rennes)  Benefits of working directly with raw 3D point clouds in the context of tectonic geomorphology
11.35	Ed Nissen (Colorado School of Mines)  Long-term and single-event earthquake behaviour mapped with individual and repeat lidar datasets
12.05	Thomas Fritz (German Aerospace Centre) High resolution global DEM data from the TanDEM-X radar mission
12.35	Lunch and Posters
Session 2: Chaired by James Hollingsworth	
13.35	Yann Klinger (Institut de Physique du Globe de Paris) Optical image correlation: topography and deformation at high resolution using the Mic-Mac open-source package
14.05	Jean-Philippe Avouac (University of Cambridge) Fault dynamics and earthquake physics: learning from space observations
14.35	Austin Elliott (University of Oxford) Rapid modification of fresh scarps along the 2010 M <sub>w</sub> 7.2 El Mayor- Cucapah surface rupture measured by repeated terrestrial lidar scans
14.55	Yu Zhou (University of Oxford)  Measuring co-seismic vertical displacements with Pleiades stereo imagery
15.15	David Mackenzie (University of Oxford) Using Structure from Motion to map fault structure and geomorphology at all scales: a low cost alternative to terrestrial lidar
15.35	Break
16.00	Further discussion for those not attending the RAS A&G meeting
17.00	Conclusion