The Dark Side of Remote Sensing

Objectives

- Demystify Synthesis Aperture Radar Interferometry (InSAR)
- Show the very wide application field that can be addressed
- Promote InSAR in Belgium
  - ✓ Sentinel-1 opportunity
- Discuss your needs and expectations
  - ✓ Creation of a Belgian Interferometric Group

Program of the day

10h00	Key note address by Pierre Potin (ESA Sentinel-1 Mission manager)
10h30	Key note address by Ramon Hanssen (TU Delft)
11h15	InSAR developments in Belgium (D. Derauw)
11h40	Classical differential InSAR: example of application in a volcano tectonic context (F. Kervyn)
12h00	Towards an assessment of grassland use intensity by remote sensing: SAR based detection of mowings (Y. Curnel)
12h05	Introduction to afternoon round table
12h30	Lunch

Program of the day

13h30	Fusion of PolSAR and PolInSAR data for land cover classification (M. Shimoni)
13h50	Overview of the ground movements highlighted by the Persistent Scatterer Technique (PSI) in Belgium (P-Y Declercq)
14h10	InSAR time series: the SBAS/PSI time series approach to study landslide movements (A. Nobile)
14h30	Advanced multidimensional high spatiotemporal resolution DInSAR time series analysis applied to ground deformation of natural and anthropogenic origin (N. d'Oreye)
14h50	InSAR and ice dynamics in Antarctica (S. Berger)
15h10	Round table and conclusions
16h00	End of session