

Report on FRINGE2007

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FRINGE2007 was held in ESRIN, Frascati, Italy, during 26 - 30, November 2007. More than 150 participants attended and discussed following issues concerning SAR technology: methodology, DInSAR/PSI, earthquakes and tectonics, volcanoes, PSI validation, atmosphere, airborne and ground-based-InSAR, interferometry and new missions, future SAR missions and interferometry, terrain subsidence and landslides. 81 oral and 69 poster presentations were made with round table discussions at the end of each session.

This symposium is the follow-up of FRINGE2005 and the answers from ESA to the questions/requests raised in the previous symposium were given. We were very impressed with the ESA's attitude trying to incorporate opinions from the community into their mission as much as possible.

It seems that special emphasis was posed on time series analysis with permanent/persistent scatter interferometry or short baseline technique. Owing to ERS and Envisat, many SAR images were accumulated for several regions and time series of ground subsidence or tectonic motions were reported. The main controversy was if linear model for temporal variation is adequate made in assumption of PSI/SB analyses.

Another important discussion was the reduction of meteorological/ionospheric disturbances. There were several reports on the challenges using numerical weather prediction model, optometric images etc.

ALOS/PALSAR is attracting interest from researchers all over the world and preliminary results of analyses of its images were also present. Result of interferometry using wide-swath (ScanSAR) images, which may be useful for the study of crustal deformation with long-wavelength such as coseismic/postseismic deformation associated with interplate events, also attracted attendants' interests.

We will report some interesting topics discussed in this very exciting and useful symposium.



Photo 1. Participants of FRINGE2007 (<http://earth.esa.int/fringe07/photos/>). A tall man with brown jacket on the far right may be Prof. Hanssen.