

Hydrology (HYD)

Tuesday, 18 March 1997

Chairman: Wolfram Mauser

14:00 Robert Brakenridge
Topography enhanced ERS flood mapping

14:20 Kader Fella
Potentials and limitations of multi-temporal SAR data in a quantitative approach for multi-scalar hydrological applications. Synthesis of ERS Alsace/Camargue Pilot Project

14:40 E. Kasischke
Monitoring Hydro-period and Hydro-pattern in South Florida Ecosystems using ERS SAR data

15:00 Wolfram Mauser
The contribution of microwave data to distributed hydrologic models

15:20 Hermann-Gregor Mendel
Soil moisture estimation in hydrological mesoscale modeling using ERS SAR data

15:40 Peter A. Troch
spatial organization of hydrological processes in small catchments derived from advanced SAR image processing -
Field work and preliminary results

Posters (Tuesday, 18 March 1997, 18:00)

Neil Fox
Retrieval of soil moisture content from naturally vegetated upland areas using ERS-1/2 Synthetic Aperture Radar

W. Klaassen
SAR sensing of vegetation wetness: the first results

N. Verhoest
Spatial soil moisture mapping through multi-temporal analysis of ERS SAR PRI data

Edmond Nezry
Retrieval of environmental and geophysical parameters through Bayesian fusion of multi-channel ERS and RADARSAT data

Paolo Pampaloni
ERS-1 SAR sensitivity to hydrological parameters. A comparison with SIR-C/X-SAR data

Corinna Prietzsch
Renaturalisation recommendations for north east German peat bog areas based on multitemporal ERS data analysis

K S Rao
ERS-1 and JERS-1 SAR data analysis for soil moisture studies

S. Wunderle
Ground truth for soil and snow moisture sensing