



Università Tor Vergata, Roma
Dipartimento di Informatica, Sistemi e Produzione
GeoInformation Doctorate

GeoInformation Seminar

DISP meeting room, Ingegneria dell'Informazione, 1 Via del Politecnico
10 January 2012, starting at 16:00

Vasileios Kalogirou

**Monitoring post-fire vegetation in Mediterranean forests with
SAR data and theoretical modelling**

The study investigates the synergistic use of SAR data and theoretical modeling to provide estimates of the remained snag biomass of burned forests.

Pine architecture models, hourly meteorological data and dead-fuel moisture modeling are combined to solve the forward problem. The simulated backscattering time series are compared with ASAR WS acquisitions over burned pine stands. Good agreement between modeled and real backscattering is observed during the first post-fire months (e.g. autumn).

Vasileios Kalogirou studied Forestry and Natural Environment in Greece (Aristotle University of Thessaloniki) and Remote Sensing (MSc) in UK (University College London).

He has been pursuing his PhD in GeoInformation, at Tor Vergata University, Rome, Italy, since December 2009.

Vasileios has been working as on-site contractor in ESA-ESRIN since May 2008.

You are cordially invited to attend.

<http://www.disp.uniroma2.it/geoinformation/>