

Scientific Committee

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Information

Margherita Di Leo (dileomargherita@gmail.com)

Secretary

L. Germino (lucia.germino@unibas.it)

Partners



University of Basilicata

1st Summer School on
“Monitoring and Modeling Surface Hydrological
Processes”

Marsico Nuovo (PZ) - June 27 - July 1, 2011
Parco Nazionale dell'Appennino Lucano-Val d'Agri-
Lagonegrese

Lectures

John Albertson – Duke University
Tommaso Moramarco – Irpi Perugia
Felix Frances – Polytechnic of Valencia
Kelly Caylor – Princeton University
Riccardo Rigon – University of Trento





Program

Monday 27 June

9:00 - 10:00 Registration

10:00 - 10:30 Welcome speech

10.30 – 11.00 School presentation

11:00 - 11:30 Coffee Break

11:30- 12:30 J. Albertson “Coupling of land surface hydrology and the atmospheric boundary layer with a focus on convective rainfall triggering (and drought)”.

12:30- 13:30 J. Albertson “Coupled remote sensing and Large Eddy Simulation to study land surface fluxes over heterogeneous terrain”.

13:30 - 15:30 Lunch

15:30 - 17:30 Self presentation of the Students

Tuesday 28 June

9:00 - 11:00 K. Caylor “Methods for partitioning transpiration and evaporation in land surface fluxes”.

11:00 - 11:30 Coffee Break

11:30 – 13:30 R. Rigon “Using the GEOtop model to investigate small scale features of the hydrological cycle”.

13:30 - 15:30 Lunch

15:00 – 17:30 T. Moramarco "Predicting discharge hydrographs from stage observations: a reappraisal of methods based on field data".

Wednesday 29 June

9:00 – 10:00 J. Albertson “Vegetation dynamics and implications for land surface hydrology in semi-arid region”.

10:00 – 11:00 J. Albertson “The effects of Climate and Land use interactions on hydrologic response and erosion”.

11:00 - 11:30 Coffee Break

11:30 – 13:30 F. Frances “Spatial variability, distributed modelling and scaling effects”.

13:30 - 15:30 Lunch

15:30 - 17:30 R. Rigon “Using the GEOtop model to investigate small scale features of the hydrological cycle: case studies on snow modeling and landslide initiation”.

Thursday 30 June

9:00 - 11:00 K. Caylor “Ecohydrological optimization theory and applications to climate change”.

11:00 - 11:30 Coffee Break

11:30 - 13:30 F. Frances “Water and sediment distributed modelling using TETIS: conceptualization and application”.

13:30 - 15:30 Lunch

15:30 – 17:30 T. Moramarco “Streamflow measurements during high floods: new perspectives by emerging technologies”.

Friday 1 July

9:00- 18:00 Excursion