

Assisi, Basilica of Saint Francis, 10-11 October 2013

October 10th, 2013

9:00-9:30	Opening Ceremony
9:30-10:00	Florisa Melone: a personal reflection <i>Vijay P. Singh</i>
Session A: Advanced in Hydrological Processes and Monitoring (chairperson: Fabio Castelli)	
10:00-10:30	On the recent development in conceptual/semi-analytical infiltration modeling <i>Corrado Corradini</i>
10:30-11:00	Examples of new approaches in experimental hydrology to improve our perceptual models of catchment functioning <i>Laurent Pfister</i>
11:00-11:30	Coffee Break
11:30-11:45	Satellite monitoring of extreme events: PET and RAINCEIV techniques description and applications <i>E. Ricciardelli, F. Di Paola, D. Cimini, F. Romano, M. Viggiano</i>
11:45-12:00	Methods for entropic parameter assessment in natural channels <i>G. Farina, S. Alvisi, M. Franchini, T. Moramarco</i>
12:00-12:15	A new approach to estimate the entropic parameter for discharges measurements at ungauged river sites (Case of the Coastal Algiers Watershed) <i>A. Ammari, T. Moramarco</i>
12:15-12:30	Assessing pixel calibration of a distributed energy water balance model using satellite data of land surface temperature <i>C. Corbari, G. Ravazzani, M. Mancini</i>
12:30-12:45	Controls on rainfall-runoff response of a forested mountain catchment <i>D. Penna, O. Oliviero, G. Zuecco, I. van Meerveld, G. Dalla Fontana, M. Borga</i>
12:45-14:00	Lunch
Session B: Addressing Hydrological Prediction and Forecasting in Ungauged Basins (chairperson: Giorgio Roth)	
14:00-14:30	Real time flood forecasting from deterministic to statistical conditional forecasts <i>Ezio Todini</i>
14:30-15:00	ANN and GA for flood hydrograph predictions <i>Gokmen Tayfur</i>
15:00-15:15	Framework to guide the choice of the hydrologic model for applications on gauged, poorly gauged and ungauged small catchments <i>R. Moussa, F. Colin, A. Crabit, M. Rabotin</i>
15:15-15:30	Application of top-kriging for predicting flow-duration curves in ungauged basins <i>A. Pugliese, A. Castellarin, A. Brath</i>
15:30-15:45	On the data assimilation of remote sensing derived soil moisture in hydrological model <i>G. Corato, P. Matgen, F. Fenicia, S. Schlaffer</i>
15:45-16:00	Specific calibration and uncertainty evaluation for flood propagation models by using distributed information <i>G. T. Aronica, S. Camici, A. Tarpanelli, T. Moramarco</i>
16:00-16:15	Predicting the inflow to the Guardialfiera multipurpose reservoir (southern Italy) at medium-long time scales by a neuro-fuzzy model <i>L. F. Termite, F. Todisco, L. Vergni, F. Mannocchi</i>
16:15-16:30	Coffee Break

Session C: Coping with Extreme Events Under the Threat of Global Warming (chairperson: Roberto Ranzi)	
16:30-17:00	Improvement of the eco-efficiency of urban water systems to mitigate water scarcity and global warming <i>Irina Ribarova</i>
17:00-17:15	Climate change related risks prevention and management in Umbria Region – POR-FESR 2007-2013 Funds <i>A. Viterbo, N. Berni, C. Pandolfo</i>
17:15-17:30	Basin-scale vegetation response to drought in changing climate projections <i>F. Castelli, G. Ceccherini, D. Entekhabi</i>
17:30-17:45	Assessment of the impact of climate change to confined alluvial aquifer: implications on the contamination transport mechanisms <i>E. Romano, S. Camici, L. Brocca, T. Moramarco, F. Pica, E. Preziosi</i>
17:45-18:00	Some considerations on the presumable impacts of climatic changes on water resources in central Italy <i>W. Dragoni, C. Cambi, L. Di Matteo, C. Giontella, M. Melillo, D. Valigi</i>
Poster Session	
18:00-19:00	- Electrical conductivity and time domain reflectometry for soil moisture estimation <i>G. Calamita, A. Perrone, S. Piscitelli, V. Lapenna</i> - Influence of hydraulic geometry ratios on the entropy parameter in open channel flow <i>M. Greco, D. Mirauda</i> - Extreme short rainfall events and areal distribution <i>S. Gabriele, F. Chiaravallotti</i> - Gully-head contribution to sediment production and land-use/vegetation effects <i>M. Rossi, D. Torri, G. Bacaro, A. C. Mondini, F. Fiorucci, I. Marchesini</i> - Documentation and analysis of recent flash floods in Italy and in southern France <i>L. Marchi, E. Gaume</i> - Documentation and analysis of a flash flood in a test catchment (Pogliaschina Creek, eastern Liguria, Italy) <i>L. Marchi, M. Cavalli, W. Amponsah, M. Borga, F. Comiti, S. Crema, A. Mazzali, A. C. Mondini, G. Saulle, A. L. Vela, A. Viero</i> - Soil water modelling in a rainfed olive orchard catchment of Spain to identify spatial and temporal hydrological patterns <i>A.J. Espejo-Perez, L. Brocca, T. Moramarco, K. Vanderlinden, A. Pedrera, J. V. Giraldez-Cervera</i> - A fast simplified model for predicting river flood inundation probabilities <i>C. Massari, A. Tarpanelli, T. Moramarco</i>
20:30	Social Dinner ‘La Buca di San Francesco’ restaurant Via Eugenio Brizi, 1, Assisi

October 11th, 2013

Session D: Hydrologic/Hydraulic Modeling to Support Natural Hazard (chairperson: Roger Moussa)	
8:30-9:00	A historical perspective of the Muskingum method interpretations <i>Muthiah Perumal</i>
9:00-9:30	A modeling system of flash flood propagation and an economic estimation approach of the flood damage <i>George Karatzas</i>
9:30-9:45	Use of data from multiple sensors in extreme rainfall event monitoring for civil protection purposes <i>P. Pagliara, S. Puca, A. Rinollo, G. Vulpiani, E. Campione, P. Giordano</i>
9:45-10:00	The 2010 Pakistan floods: high-resolution simulations with the WRF model <i>F. Viterbo, A. Parodi, L. Molini, A. Provenzale, J. von Hardenberg, E. Palazzi, A. Pieri</i>
10:00-10:15	Towards improved landslide forecasting <i>F. Guzzetti, M. Alvioli, F. Ardizzone, V. Balducci, C. Bianchi, M.T. Brunetti, F. Bucci, M. Cardinali, F. Fiorucci, I. Marchesini, M. Melillo, A. C. Mondini, S. Peruccacci, P. Reichenbach, M. Rossi, P. Salvati, M. Santangelo</i>
10:15-10:30	The real-time precipitation analysis technique for hydrological purpose in data sparse areas <i>J. Vivoda, L. Meri, M. Nestiak, L. Okon</i>
10:30-10:45	Structural residual risk due to levee failures: a conceptual framework for flood hazard mapping <i>R. Ranzi, S. Barontini, B. Bacchi</i>
10:45-11:15	Coffee Break
Session E: Enhancing Natural Hazard Detection in River Basin Management (chairperson: Fausto Guzzetti)	
11:15-11:45	Integrated river basin management: a challenge for hydrology <i>Martin Volk</i>
11:45-12:15	A methodological framework for assessing drought hazard using operational indicators <i>Maggie Kossida</i>
12:15-12:30	Flood hazard detection at the catchment scale from remote sensed information <i>G. Roth, A.C. Taramasso</i>
12:30-12:45	Gully-head location as a function of topography, land-use and vegetation <i>D. Torri, M. Rossi, G. Bacaro</i>
12:45-13:00	Geohazards in karst and amplification of the related effects due to land mismanagement <i>M. Parise</i>
13:00-13:15	Flood risk to the population and its temporal variation in Italy <i>P. Salvati, M. Rossi, C. Bianchi, F. Guzzetti</i>
13:15-13:30	A satellite multi-sensor approach for flooded areas detection and monitoring <i>T. Lacava, I. Coviello, M. Faruolo, N. Pergola, V. Tramutoli</i>
13:30-13:45	Closure
13:45	Lunch
15:30	Guided Visit of the Basilica of Saint Francis