

U n i v e r s i t à d e g l i S t u d i d i P a d o v a



JULY 16-17, 2013

Aula Consigliare (3° Floor-TeSAF Department)

Workshop

**Fluvial systems: forms, structure and
processes**

**Organization and Scientific Coordination: Prof. Mario Aristide LENZI
PhD School Land, Environment, Resources & Health**

Programme



JULY, Tuesday 16

- 9.00-9.30 Workshop presentation- Prof. Mario Aristide LENZI

Channel pattern and grain size variability

- 9.30-10.15 *Roughness and grain size in GBR*- Prof. Luca MAO
- 10.15-11.00 *Grain size analysis using manual and photography methods*- Bruno GARNIGA

11.00-11.30 Coffee break

Bed load transport and geomorphic changes in GBR

- 11.30-12.15 *Partial transport and virtual velocity approaches applied to GBR*- Prof. Luca MAO
- 12.15-13.00 *Assessment bedload transport in GBR: virtual velocity approach*- Prof. Luca MAO
- 13.00-13.45 *Evaluation of short term geomorphic changes using improved DEMs of Differences (Piave and Tagliamento Rivers)*- Fabio DELAI

JULY, Wednesday 17

Geomorphometry and new techniques-methods for monitoring LW and morphological conditions of GBR

- 14.00-14.45 *An automatic integration and comparison of fluvial erosion-deposition patterns after flood events by merging LiDAR data, colour bathymetry and DGPS surveys*- Johnny MORETTO
- 14.45-15.30 *Short term geomorphic changes along the Tagliamento River by LiDAR and TLS surveys*- Riccardo RAINATO
- 15.30-16.15 *Characterization of fluvial islands along three different gravel-bed rivers of North-Eastern Italy*- Lorenzo PICCO

16.15-16.45 Coffee break

- 16.45-17.30 *LW transport monitoring in GBR*- Prof. Luca MAO
- 17.30-18.15 *Displacement length and velocity of tagged logs in the Tagliamento River*- Diego RAVAZZOLO
- 18.15-19.00 *Monitoring of Morphological Quality Index in Cordevole River (Bl, Italy)*. - Emanuel RIGON