

INVITED LECTURE

REMOTE SENSING & RIVER DYNAMICS

Speaker: Dr. Michael Nones

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Wednesday, October 11, 2023

1⁰⁰ p.m - 2⁰⁰ p.m.

Room B.3.1-B.3.2

Short Speaker CV and Lecture Outline

Dr. Michael Nones holds BSc, MSc & PhD Degrees from the University of Padova (Italy). He currently works on fluvial morphodynamics and geomorphology, combining numerical modelling with remote sensing.

Nowadays, satellites are part of our life, and their data are used for monitoring every aspect of the environment, from road traffic to natural hazards. The use of remote sensing is also increasing in monitoring riverine dynamics, looking at past trends as well as real-time variations, to eventually derive information to be used for better managing them, especially in urban environments. Via a series of case studies, the Invited Lecture will provide examples of using satellite-derived information for recognizing fluvial dynamics, both in terms of morphological changes and riparian vegetation development.