



BHS National Meeting

Hydrological interfaces – Interdisciplinary advances and perspectives in a changing environment

Thursday 2nd April 2020

Geography and Environment, Loughborough University, Leicestershire.

Call for abstracts for Oral Presentations and Poster

Climate change, political instability and growing populations put pressure on hydrological resources and the ecosystem services they provide. Our ability to manage water resources successfully relies on appropriate understanding of the underpinning science (hydrology, ecology, geomorphology) and engineering, but also how people and societies interact with water (social science, international studies, economics, humanities). This one-day meeting will bring together actors and practitioners from across these fields to explore the ways in which interdisciplinary and cross-disciplinary approaches can improve our understanding of complex problems and benefit our hydrological future.

Who should attend? The meeting will bring together academics, researchers, consultants, hydrologists, environmental managers, policy-makers, regulators and other practitioners and stakeholders with an interest interdisciplinary hydrology.

Keynote Speakers

- **Messy Rivers are Healthy Rivers: The Role of Spatial Heterogeneity in Sustaining River Ecosystems.**
Prof Ellen Wohl - Colorado State University, USA.
- **Resolving conflicts between human and environmental water needs using strategic hydropower planning and operation.**
Prof Julian Olden - University of Washington, Seattle, Washington USA.
- **Drivers of community structure at small scales: insights from the macroinvertebrate community.**
Dr Alex Laini - University of Parma, Parma, Italy.

Contributions

- **Portrack Marshes: balancing flood risk and intertidal habitat creation.**
Rosie Hampson - JBA Consulting
- **Crossing disciplinary divides to support Natural Flood Management delivery.**
Thea Wingfield - University of Liverpool
- **Flood risk and social characteristics in York**
Arved Schwendel - York St John University

- (Lack of) Recovery of an upland stream following geomorphic threshold exceedance
David Milan - University of Hull
- Geomorphological modelling of leaky dams for Natural Flood Management
Joshua Wolstenholme - University of Hull
- A comparison of macrophyte-based methods for assessing: the hydroecological status of river headwaters.
Chris Westwood - ERA-UK
- Modelling Geomorphology: The role of rainfall
Chris Skinner - University of Hull
- Resilience - Combining Sci-Art and card games for more effective public engagement
Kelly Stanford - University of Hull
- Combining palaeoecological and contemporary macroinvertebrate community data to guide river restoration practices.
Matthew Hill – University of Huddersfield
- Behavioural responses of invertebrates to a fine sediment disturbance; the need for a hydrology, geomorphology and ecology response
Tory Milner - University of Huddersfield
- Expanding inventories to guide the management of road-river crossing infrastructure
James White - Swansea University
- Estimating extreme floods up to the PMF: a fieldwork problem needing an interdisciplinary fieldwork based approach: the New guide to Flood estimating in England and Wales.
Colin Clark - Charldon Hill Research Station
- Hydrological variables, water quality and what else? Exploring macroinvertebrate-based taxonomic and functional indices responses along a regulated river (N Italy).
Simone Guareschi – Loughborough University

Registration and Attendance To attend the event please register via the BHS website (<https://ice.org.uk/events/hydrological-interfaces-interdisciplinary-advances>) - £90 (non-members), £60 (members) and £45 (students and retired).

For further information and detail please contact the meeting organizer.

Meeting co-ordinator

Prof Paul Wood

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