

RIBES



RIBES FINAL CONFERENCE

Fish passage and Conservation

28-29 September, 2023

Politecnico di Torino, Italy

<https://www.msca-ribes.eu/>



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PROGRAM

THURSDAY 28 SEPTEMBER, SALA EMMA STRADA, POLITECNICO DI TORINO

9:30 **Opening**
Claudio Comoglio, Politecnico di Torino & RIBES Project Coordinator

9:40 **Keynote Lecture: Freshwater fish conservation - threats and priorities**
Jörg Freyhof, Natural History Museum, Berlin, Germany

COFFEE BREAK

10:40 **PIT-tagged Italian riffle dace (*Telestes muticellus*) movement and behaviour in a small mountain stream.** Alfredo Schiavon, IGB Berlin, Germany

11:00 **Investigating fish hydrodynamic sensing: an integrated approach utilizing numerical and experimental methods.** Ali Hassan Khan, Tallin University of Technology, Estonia

11:20 **Together we are bolder: collective behavior and fish passage**
Gloria Mozzi, Politecnico di Torino, Italy

11:40 **From markers to meaning: understanding fish physiological responses to assess human impacts on rivers.** Sophia Schumann, University of Padua, Italy

12:00 **Freshwater fish and underwater acoustics: a method of measuring resonance properties of swim bladders.** William Wu, Southampton University, UK

LUNCH

13:20 **Keynote Lecture: Fish migration, behavior and passage**
Paul Kemp, Southampton University, UK

14:00 **Does multimodal integration influence fish behavioural responses to acoustic stimuli?**
Philip Ericsson, Southampton University, UK

14:20 **Quantifying light pollution as a barrier to fish migration**
James Campbell, IGB Berlin, Germany

COFFEE BREAK

15:00 **Keynote Lecture: Fish passage and hydrodynamics**
Ana Silva, NINA, Norway

15:40 **Understanding and predicting fish movement in the vicinity of a barrier and fish pass**
Rachel Mawer, SJE, Germany

16:00 **Fish migration in an anthropogenically impacted river system**
Jelger Elings, Ghent University, Belgium

16:30 *RIBES MEETINGS*

18:30 **FISH IN TROUBLED WATERS - FABER TEATER**
AULA MAGNA, POLITECNICO DI TORINO

FRIDAY 29 SEPTEMBER, SALA EMMA STRADA, POLITECNICO DI TORINO

9:00 **Opening**

Claudio Comoglio, Politecnico di Torino & RIBES Project Coordinator

9:10 **Keynote Lecture: Fish passage solutions and evaluation**

Olle Calles, Karlstad University, Sweden

9:50 **Novel guidance devices to support downstream migrating fish**

Velizara Stoilova, Norconsult, Sweden

10:10 **Hydrodynamics of fish at hydraulic structures: coupled ecological-hydrodynamic modelling of fish movement through vertical slot fishways**

Marcelo Xavier Ruiz Coello, University of Padua, Italy

COFFEE BREAK

10:50 **Keynote Lecture: Future avenues for improving fishway design**

Christos Katopodis, Katopodis Ecohydraulics Ltd, Canada

11:30 **Characterisation of drag on fish-shaped bodies**

Miriam Castagna, University of Aberdeen, UK

11:50 **Fish in motion: methodological advances and scientific insights in fish swimming performance.** Usama Ashraf, Politecnico di Torino, Italy

12:10 **Informing novel riverscape restoration with scale appropriate models**

Henry Hansen, Karlstad University, Sweden

12:30 **END**

The conference is taking place at Politecnico di Torino, Corso Duca degli Abruzzi 24, Turin, Italy but it is also possible to follow the presentation online. Participation is free and open to all but requires **registration**. Register by sending an email to daniel.nyqvist@polito.it, specifying if you will attend in person or online.

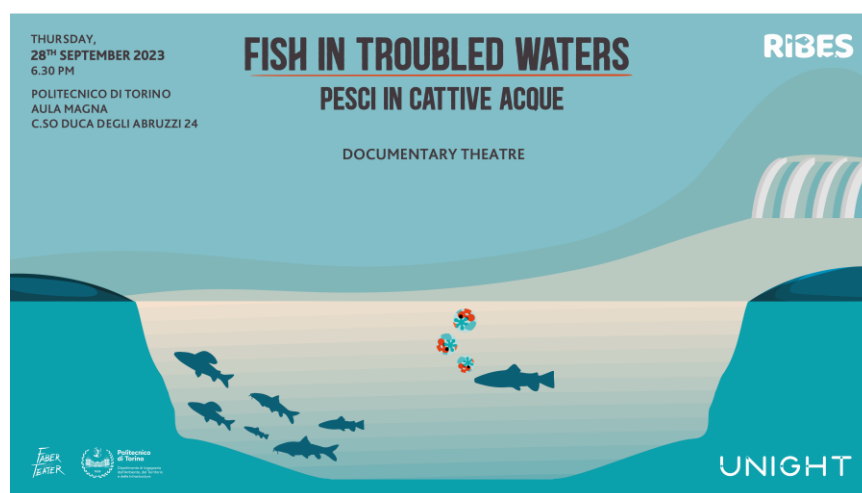


Photo on cover: Italian riffle dace (*Telestes muticellus*). A small sized, gregarious fish, native to streams and rivers on the Italian peninsula.

Foto by Mattia Nocciola: www.mattianocciola.com