

# ETH Ecohydraulics Day 2024

## *Bridging Science and Practice*

When: 30.01.2024

Where: Siemens Auditorium (HIT E51), Wolfgang-Pauli-Strasse 27, 8093 Zürich

### Program

ETH Ecohydraulics Day		
Date	30 Jan 2024	
Location	ETH Hönggerberg, HIT E 51 (Siemens Auditorium)	
0900-0930		Greetings and registration
0930-0955		Opening remarks: Robert Boes, VAW Director and Martin Ackermann, Eawag Director
<b>SESSION 1: FLOW ALTERATIONS: HYDROPEAKING AND E-FLOWS</b>		
0955-1030	0955-1015	<b>Keynote: Hydropeaking frequency: definition, characterization and implications for hydropeaking assessment and management - Diego Tonolla (ZHAW)</b>
	1015-1030	Simulated hydropeaking reveals fine scale movement responses of juvenile fish - Robert Naudascher (IfU ETH-Zürich)
<b>FLASH TALK - POSTERS</b>		
<b>COFFEE BREAK</b>		
1100-1130	1100-1115	Nervous Habitats: Habitat Dynamics and Persistence Under Hydropeaking - Nico Bätz (Eawag)
	1115-1130	A novel technology to study organism drift: the Riverine Organism Drift Imager (RODI) - Frédéric de Schaezen (IfU ETH-Zürich)
<b>DISCUSSION SESSION 1 - FLOW ALTERATIONS: HYDROPEAKING AND E-FLOWS</b>		
<b>Moderator: Peter Molnar - IfU ETH-Zürich</b>		
<b>SESSION 2: FISH PASSAGE</b>		
1200-1235	1200-1220	<b>Keynote: TBD - Simon Gingins (BAFU/FOEN)</b>
	1220-1235	Downstream migration of Atlantic salmon smolts in the Aare River: a radio telemetry study - Armin Peter (Fish Consulting)
<b>FLASH TALK - POSTERS</b>		
<b>LUNCH</b>		
<b>LAB TOUR (VAW)</b>		
1445-1515	1445-1500	SHP Herrentöbeli, CBR – Curved Bar Rack, first findings after two years of operation - Tobias Rüesch (Wälli AG)
	1500-1515	Electrified trash racks – a promising technology to improve protection of European Eel at large run-off-river hydropower plants - Anita Moldenhauer (VAW ETH-Zürich)
<b>DISCUSSION SESSION 2 - FISH PASSAGE</b>		
<b>Moderator: Jakob Brodersen - Eawag</b>		
<b>COFFEE BREAK</b>		
<b>SESSION 3: HABITAT ASSESSMENT AND RESTORATION</b>		
1615-17-20	1615-1635	<b>Keynote: The “hidden half”: genesis of fluvial ecomorphodynamics - Paolo Perona (EPFL)</b>
	1635-1650	Understanding riparian vegetation dynamics through water-mediated seed dispersal - Francesco Caponi (VAW ETH-Zürich)
	1650-1705	Identifying priority areas for habitat restoration of freshwater biodiversity in Switzerland - Bernhard Wegscheider (Wyss Academy for Nature; University of Bern)
	1705-1720	Aquatic refugia in restoration projects - Cristina Rachelly (IBU Engineering AG)
<b>DISCUSSION SESSION 3 - HABITAT ASSESSMENT AND RESTORATION</b>		
<b>Moderator: Virginia Ruiz-Villanueva - University of Bern</b>		
1750-1800	<b>CLOSING REMARKS</b>	
1800-1850	<b>POSTER PRESENTATION / APERO</b>	
1900-	<b>DINNER</b>	

### Dinner

Location: Restaurant Zweifel 1898, Regensdorferstrasse 20, 8049 Zürich