

PROGRAMME

The theme for the symposium is **“Environmental Hydraulics for a Sustainable and Resilient Future.”**

Please note the programme may be subject to some changes.

Event Time - (UTC+00:00) Dublin, Edinburgh, Lisb... ▾



Monday, June 24, 2024 Tuesday, June 25, 2024 Wednesday, June 26, 2024 Thursday, June 27, 2024
Friday, June 28, 2024

	Track 1	Track 2	Track 3	Track 4
8:00 AM- 9:00 AM	Registration Check - In for Workshop on Ultrasonic Doppler for Hydraulics in laboratory flumes			
9:00 AM- 5:00 PM	Workshop on Ultrasonic Doppler for Hydraulics in laboratory flumes			
9:00 AM- 9:30 AM		Registration Check-In for Research Workshop: Very large scale motions (VLSM) in open-channel flows		
9:30 AM- 5:00 PM	VLSM Workshop	Research Workshop: Very Large Scale Motions (VLSM) in Open-Channel Flows	VLSM Workshop	
		VLSM Workshop		
1:30 PM- 2:00 PM			Registration for Masterclasses	
2:00 PM- 5:00 PM			Masterclass on buoyancy-driven and stratified shear flows	Masterclass on vegetated flows and nature-based solutions

Poster Presenters

The poster presenters will be displaying their posters in **Elphinstone Hall** for the duration of the conference

P001	Turbulence structures in a partly vegetated channel flow with ADV measurements	Mouldi Ben Meftah	Polytechnic University Of Bari
P002	Turbulent dispersion and length scales in a quasi-geostrophic jet	Francesca De Serio	Polytechnic University of Bari - DICATECh
P003	Dam sluicing and gravel replenishment morphodynamics impact in gravel bed rivers	Junjian Deng	Laboratoire d'Hydraulique Saint-Venant
P004	Numerical simulation of underwater landslides with material point method	Yuxuan Gao	University of Cambridge
P005	Gravel augmentation downstream of hydropower dams – hydraulic modelling of novel design approaches to make the earth move for spawning salmon	Eric Gillies	CBEC Eco-Engineering UK
P006	Kinetic Energy Budget of Cylinder Wake based on Triple Decomposition	Jin Hwan Hwang	Seoul National University
P007	Water quality modeling of artificial brackish channel depending on residence time	Jin Hwan Hwang	Seoul National University
P008	Modelling biological surfaces for applications in environmental hydraulics: a case study using marlin skin	Ahmed Ibrahim	University Of Aberdeen
P009	Microplastic transport in patchy vegetated open-channel flow	Denisa Krstienova	University Of Aberdeen
P010	Study of water quality in a port through numerical modeling	Daniela Malcangio	Polytechnic University of Bari
P011	An Experimental investigation of pressure fluctuations in a Hydraulic jump	Hyung Suk Kim	Kunsan National University
P012	Analysis of the relationship between the hydraulic characteristics of river confluence and the habitat of vegetation within the river channel	Takayuki Tanaka	National Institute of Technology ,Toyota College
P013	Influence of rigid vegetation in groyne field on behaviour of buoyant macroplastic	Manousos Valyrakis	Aristotle University Of Thessaloniki
P014	Spatial and temporal variability of water quality in inflow rivers	Ya'nan Wang	Hohai University
P015	Optimizing the configuration of in-channel leaky barriers for flood risk management	Wuyi Zhuang	University Of Cambridge

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	Track 1	Track 2
8:00 AM- 8:45 AM	Tuesday - Registration Check-In	
8:45 AM- 9:00 AM	Conference Welcome & Opening <u>Welcome from Prof Peter Edwards, Vice-Principal Regional Engagement and Dominic van der A, ISEH 2024, Conference Chair.</u>	
9:00 AM- 10:00 AM	Keynote 1 - Prof Harindra Joseph Fernando <u>Sensing Hydrometeorological Processes from Global to Microphysical Scales</u>	
10:00 AM- 11:00 AM	<u>Parallel Session- Flow-Biota Interactions 1</u>	<u>Parallel Session- Transport, Mixing and Dispersion 1</u>
11:00 AM- 11:30 AM	Tuesday - Morning Break & Poster Session	
	Tues/Wed/Thurs- Poster Session #1	
11:30 AM- 1:00 PM	<u>Parallel Session- Instrumentation and Experimental Methods</u>	<u>Parallel Session- Microplastics in Aquatic Systems</u>
1:00 PM- 2:00 PM	Tuesday - Lunch	
2:00 PM- 3:30 PM	<u>Parallel Session- Sediment Transport and Morphodynamics</u>	<u>Parallel Session- Coastal Hydrodynamics</u>
3:30 PM- 4:00 PM	Tuesday - Afternoon Break	
4:00 PM- 5:00 PM	<u>Parallel Session- Open Channel Flow Turbulence 1</u>	<u>Parallel Session- Interdisciplinary Studies and Emerging Applications 1</u>
6:30 PM- 8:00 PM	Civic Welcome Reception <u>Beach Ballroom, AB24 5NR</u>	

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P006	Kinetic Energy Budget of Cylinder Wake based on Triple Decomposition	Jin Hwan Hwang	Seoul National University
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P013	Influence of rigid vegetation in groyne field on behaviour of buoyant macroplastic	Manousos Valyrakis	Aristotle University Of Thessaloniki
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	Track 1	Track 2
8:00 AM- 9:00 AM	Wednesday - Registration Check-In	
9:00 AM- 10:00 AM	Keynote 2 - Dr Ellis Penning <u>The Role of Ecosystem Understanding in Quantifying Solutions for Water Management</u>	
10:00 AM- 11:00 AM	<u>Parallel Session- Open Channel Flow Turbulence 2</u>	<u>Parallel Session- Interdisciplinary Studies and Emerging Applications 2</u>
11:00 AM- 11:30 AM	Wednesday - Morning Break & Poster Session	
	Tues/Wed/Thurs- Poster Session #2	
11:30 AM- 1:00 PM	<u>Parallel Session- Stratified Flows and Gravity Currents</u>	<u>Parallel Session- Special Session 1: NbS in Coastal Environment</u> Chair: Agustin Sanchez-Arcilla
1:00 PM- 2:00 PM	Wednesday - BBQ Lunch in the Quad	
2:00 PM- 3:30 PM	<u>Parallel Session- Advanced Modelling Approaches and Applications</u>	<u>Parallel Session- Special Session 2: NbS in Fluvial Environments</u> Chair: Ellis Penning
3:30 PM- 4:00 PM	Wednesday - Afternoon Break	
4:00 PM- 5:00 PM	<u>Parallel Session- River Confluences</u>	<u>Parallel Session- Jets and Shear Layers</u>
5:00 PM- 6:00 PM	<u>Wednesday- Fluid Mechanics Laboratory Tours</u>	
6:00 PM- 6:20 PM	<u>Shuttle Bus to City Centre</u>	
7:00 PM- 11:15 PM	Symposium Dinner & Ceilidh <u>Music Hall, Union St, AB10 1QS</u>	

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9:00 AM - 10:00 AM	Keynote 3 - Prof Stephen Monismith <u>Flows Through Living Roughness</u>	
10:00 AM - 11:00 AM	<u>Parallel Session- Open Channel Hydraulics</u>	<u>Parallel Session- Transport, Mixing and Dispersion 2</u>
11:00 AM - 11:30 AM	Thursday - Morning Break & Poster Session	
	Tues/Wed/Thurs- Poster Presentation Session #3	
11:30 AM - 1:00 PM	<u>Parallel Session- Vegetated Open Channel Flows</u>	<u>Parallel Session- Interdisciplinary Studies and Emerging Applications 3</u>
1:00 PM - 2:00 PM	Thursday - Lunch	
2:00 PM - 3:15 PM	<u>Flow-Biota Interactions 2</u>	
3:15 PM - 3:45 PM	Thursday - Afternoon Break	
3:45 PM - 4:15 PM	Closing Ceremony	
4:15 PM - 6:00 PM	<u>Thursday- Fluid Mechanics Laboratory Tours</u>	

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