

Session Overview (22 Jun 2025, Sunday)

Venue	9.30AM - 11.00AM	11.30AM - 1.00PM	2.00 PM – 3.30 PM	4.00 PM – 5.30 PM
Room 2A	Workshop 1: Advancements in Air-Water Flows in Outlet Structures of Reservoir Dams			
Room 2B	Workshop 2: Bluemath: An Open-Source, Python Framework With Interactive Notebooks For Statistical Analysis And Simulation Of Coastal Climate Hazards In A Changing Climate			
Room 3A	Workshop 3: Machine Learning Approaches for Hydrologic Modelling and Data Quality Assessment			
Room 3B	Workshop 4: Advances in Experimental and Numerical Modelling of Embankment Dam and Fluvial Dike Breaching			
Room 4B	Masterclass A: Nature-based Solutions for Flooding and Water Management Resilience in a Changing Climate			
Room 5	SIWW SPOTLIGHT 2025			
Room C	Masterclass B: Stationarity Assessment of Hydroclimatic Extremes: Methods and Applications		Masterclass D: Advanced Approaches in the Physical Modelling of Hydraulic Structures	

41st IAHR World Congress (23 Jun 2025, Monday)

Venue	9.00AM - 10.30AM	11.00AM - 12.30PM	12.30PM - 2.00PM	2.00 PM – 3.30 PM	4.00 PM – 5.30 PM	5.30 PM - 7.00 PM
Room 1				IAHR 139_SS1 5th Global Water Security Seminar (1.30pm - 3pm)		
Room 2				IAHR 1_A.2.2 Hydraulic Structures and Processes	IAHR 7_B.1.2 Flood and Droughts Management	
Room 3				IAHR 2_A.3.5 Eco- and Environmental Hydraulics	IAHR 8_A.5.5 Data- Driven Methods and Machine Learning Techniques	
Room 4				IAHR 3_A.3.1 Water Resources Management	IAHR 9_A.6.1 Advanced Experimental Techniques	
Room 5					Singapore Business Forum (3:30 pm to 5:30pm)	
Room 6				SIWW Spotlight 2025 11.30AM-3.30PM		
Room 7						
Room 8						
Room 9						
Room 11				IAHR 5_A.2.4 Sediment Transport and Bathymetrical Changes	SIWW Spotlight 2025	
Room 12					SIWW Spotlight 2025	
Room 13						
Room 14				IAHR 4_A.2.1 Coastal Processes and Hazards		
Room 15				IAHR 6_A.5.3 Computational Methods for Hydraulic and Water Quality		
Hall 1						
Hall 2A (Town Square)					Welcome Reception	

**41st IAHR World Congress
(24 Jun 2025, Tuesday)**

Venue	9.00AM - 10.30AM	11.00AM - 12.30PM	12.30PM - 2.00PM	2.00 PM – 3.30 PM	4.00 PM – 5.30 PM
Room 1	HLP Panel 1 – Water, Cities And Climate: Exploring Interconnectedness For A Sustainable Future	HLP Panel 2 – Flood-Resilient Cities: How do we get there?		SIWW Spotlight 2025	
Room 2A				IAHR 10_A.1.1-A.1.6	IAHR 22_A.2.3 Enhancements in Urban Drainage Systems)
Room 2B				IAHR 19_B.2.5 and B.2.6	IAHR 29_B.2.4 Nature-based Solutions for Coastal and Estuarine
Room 3				IAHR 140_SS23 CORE2025 OC and Keynotes	IAHR 23_A.3.2 River Engineering and Management
Room 4				IAHR 12_A.6.2 Hydrological Measurements	IAHR 24_B.1.2 Flood and Droughts Management
Room 5				IAHR 13 - SS19 Southeast Asia Symposium on Coastal Protection Resisting Rising Seas – A Strategic Imperative for Southeast Asia	
Room 6				IAHR 14_A.2.6 Disaster Risk Reduction	IAHR 25_A.2.6 Disaster Risk Reduction
Room 7				IAHR 15_A.3.5 Eco- and Environmental Hydraulics	IAHR 26_A.3.5 Eco- and Environmental Hydraulics
Room 8				IAHR 16_A.2.2 Hydraulic Structures and Processes	IAHR 27_A.2.2 Hydraulic Structures and Processes
Room 9				YWP: Fireside Chat with Senior Water Professionals (1.15PM - 2.00PM)	IAHR 17_B.1.1 Coastal Protection and Management
Room 10					IAHR 13 - SS19 Southeast Asia Symposium on Coastal Protection Resisting Rising Seas – A Strategic Imperative for Southeast Asia
Room 11	IAHR 18_A.2.1 Coastal Processes and Hazards	IAHR 141_SS23 CORE2025 #1			
Room 12	IAHR 20_SS35 Uniting for Water: Global Collaboration to Tackle Water Challenges	IAHR 142_SS23 CORE2025 #2			
Room 13	IAHR 21_SS3 Advanced Measuring Techniques for Ocean Waves and Currents	IAHR 30_SS13 Enhancing Water and Social Resilience in Urban Areas: A call for City Water Leaders			
Room C	IAHR 11_A.2.5 Forecasting and Warning	IAHR 28_A.3.4 Urban Hydraulics			

**41st IAHR World Congress
(25 Jun 2025, Wednesday)**

Venue	9.00AM - 10.30AM	11.00AM - 12.30PM	12.30PM - 2.00PM	2.00 PM – 3.30 PM	4.00 PM – 5.30 PM
Room 1	HLP Panel 3 – Empowering a Just and Inclusive Energy Transition: The Strategic Role of Hydropower	Donald R. F. Harleman Lectureship (11am - 11.30am)	HLP Panel 4 – From Digital Acceleration to Real-World Impact: Scaling Innovation in Water Engineering (11.30am - 1pm)	IAHR 143_John F. Kennedy Student Paper Competition	
Room 2			IAHR_Poster Presentation Session 1 (1.00PM - 2.00PM)	IAHR 31_SS28 River Ethics and Water Engineering	IAHR 40_A.5.3 Computational Methods for Hydraulic and Water Quality
Room 3			IAHR_Poster Presentation 2 (1.00PM - 2.00PM)	IAHR 32_SS22 Integrated Flood Risk Management (IFRM): from Science to Practice	IAHR 41_SS15 Flood adaptation and resilience
Room 4			IAHR_Poster Presentation 3 (1.00PM - 2.00PM)	IAHR 33_A.2.4 Sediment Transport and Bathymetrical Changes	IAHR 42_SS32 Surrogate techniques for monitoring sediment transport in fluvial and transitional systems
Room 5				SIWW Spotlight 2025	
Room 6				SIWW Spotlight 2025	
Room 7				IAHR 34_A.2.2 Hydraulic Structures and Processes	IAHR 43_A.2.2 Hydraulic Structures and Processes
Room 8				IAHR 35_SS6 Concept of Adaptation – Coastal Measure and Climate Change	IAHR 44_A.3.5 Eco- and Environmental Hydraulics
Room 9			Fireside Chat with Senior Water Professionals (1.15PM - 2.00PM)	IAHR 36_A.4.2 Marine Renewable Energy Systems (Wave Power, Tidal Power, Hybrid Solutions, etc)	IAHR 45_SS16 Flood hazard projections and adaptation strategies in low lying coastal areas
Room 14				IAHR 37_SS33 Transport dynamics of plastic pollution in aquatic environments Session 1	IAHR 46_SS33 Transport dynamics of plastic pollution in aquatic environments Session 2
Room 15				IAHR 38_SS17 Guidelines for adaptation to climate change in water engineering	IAHR 47_SS21 Innovative Water Engineering for Sustainable Development in Latin America
Room 11				IAHR 144_SS23 CORE2025 #3	IAHR 146_SS23 CORE2025 #5
Room 12				IAHR 145_SS23 CORE2025 #4	IAHR 147_SS23 CORE2025 #6
Room 13				IAHR 39_SS24 Nature-based Solutions Connecting Science and Practise Workshop	IAHR 48_A.3.6-A.3.11

**41st IAHR World Congress
(26 Jun 2025, Thursday)**

Venue	9.00 AM – 10.30 AM	11.00 AM – 12.30 PM	12.30PM - 1.30PM	1.30 PM – 3.00 PM	3.30 PM – 5.00 PM
Room 1	IAHR 148_Global Water Institutes Meeting on Digital Transformation of the Water Sector Accelerators and Risks	IAHR 151_Meeting Platform of National Associations		IAHR 76_A.2.4 Sediment Transport and Bathymetrical Changes	IAHR 154_IPPEN & GMA (5.00PM - 6.30PM)
Room 2	IAHR 49_A.2.3 Enhancements in Urban Drainage Systems	IAHR 62_SS34 Trends and Variations in Hydroclimatic Variables: Links to Climate Variability and Change		IAHR 77_A.1.1-A.1.6	IAHR 91_SS36 Water System Operation and Digital Twin
Room 3	IAHR 50_SS9 Debris and Driftwood Accumulation at Hydraulic Structures	IAHR 63_A.2.5 Forecasting and Warning		IAHR 78_SS31 Socio-economic challenges in Asia: future roles of urban water network modelling and optimization	IAHR 92_A.5.7 Other Related Topics
Room 4	IAHR 51_A.2.4 Sediment Transport and Bathymetrical Changes	IAHR 64_SS20 Innovative Approaches to Urban Resilience: Addressing Flood Risks and Climate Adaptation		IAHR 79_SS4 Advanced technologies applied for Flash Flood Defence and Management	IAHR 93_A.6.5 Environmental Management and Monitoring
Room 5	IAHR 52_SS25 Nature-based solutions for water security: Recent progress in Monitoring, Evaluation, and Reporting (08.45am - 10.15am)	IAHR 65_A.3.2 River Engineering and Management (10.45am - 12.30pm)		IAHR 80_A.3.1 Water Resources Management	IAHR 94_A.3.1 Water Resources Management
Room 6	SIWW Spotlight 2025				
Room 7	IAHR 53_SS26 New Hydroinformatics Strategy and Application of Catchment Digital Twin	IAHR 66_A.2.1 Coastal Processes and Hazards		IAHR 81_B.1.2 Flood and Droughts Management	IAHR 95_A.6.7 Remote Sensing – Others (Unmanned Aerial Vehicles (UAV), Radar, etc)
Room 8	IAHR 54_A.2.6 Disaster Risk Reduction (08.45am - 10.30am)	IAHR 67_B.2.4 Nature-based Solutions for Coastal and Estuarine		IAHR 82_B.2.3 Nature-based Solutions for Large Rivers	IAHR 96_B.2.2 Nature-based Solutions for Upstream Catchments and Small Streams
Room 9	IAHR 55_SS12 Emerging Issues for Water Management in Remote Regions with Interplay of Climate Change Social, Economic, and Environmental Factors	IAHR 68_SS8 Dam Safety: Addressing modern challenges and future risk	Fireside Chat with Senior Water Professionals (1.15PM - 2.00PM)	IAHR 83_A.5.5 Data-Driven Methods and Machine Learning Techniques	IAHR 97_A.5.5 Data-Driven Methods and Machine Learning Techniques
Room 10	IAHR 56_A.6.2 Hydrological Measurements (8.45am - 10.15am)	IAHR 69_A.5.3 Computational Methods for Hydraulic and Water Quality (10.45am - 12.30pm)		IAHR 84_SS7 Current Research in coastal protection and flood resilience conducted in CFI Singapore Session 1	IAHR 98_SS7 Current Research in coastal protection and flood resilience conducted in CFI Singapore Session 2
Room 11	IAHR 149_SS23 CORE2025 #7	IAHR 72_SS10 Earth Observation to monitor land and water ecosystems		IAHR 153_How To Write A Good Paper For The Journal Of Hydraulic Research By Prof Panayiotis Diplas, Lehigh University, United States And JHR Editor	IAHR 100_SS29 Safety Assessment for Instream Installations using Multi-Sensor-Based Remote Technology
Room 12	IAHR 150_SS23 CORE2025 #8	IAHR 152_SS23 CORE2025 #9		IAHR 87_B.1.3 Improvement in Design Guidance under Climate Change	IAHR 101_A.6.9 Data Uncertainty Analysis and Assessment
Room 13	IAHR 59_SS5 Advances on the study of vegetation in a variety of settings Session 1	IAHR 73_SS5 Advances on the study of vegetation in a variety of settings Session 2		IAHR 88_SS27 Outfall systems and effluent discharges	IAHR 102_A.2.7 Other Related Topics
Room 14	IAHR 58_A.6.3 Water Quality Sampling and Analysis (8.45am - 10.30am)	IAHR 70_A.2.2 Hydraulic Structures and Processes		IAHR 85_SS2 Adaptive management of riparian vegetation in the era of climate change	IAHR 99_SS2 Adaptive management of riparian vegetation in the era of climate change
Room 15	IAHR 57_A.5.1 Artificial Intelligence (AI) Tools for Analysis and Decision Support under Certainties (8.45am - 10.15am)	IAHR 71_A.5.6 Hydroinformatics and Big Data Analytics (10.45am - 12.30pm)		IAHR 86_SS30 Sediment management for reservoir sustainability	IAHR 155_SS23 CORE2025 Closing
Room 16	IAHR 60_A.2.2 Hydraulic Structures and Processes (8.45am - 10.15am)	IAHR 74_A.6.1 Advanced Experimental Techniques Session 2 (10.45am - 12.30pm)		IAHR 89_A.4.3 Offshore Renewable Energy Systems (Offshore Wind Power, Oceanic Current Power, etc)	IAHR 103_A.4.1 Reservoir Renewable Energy Systems (Hydropower, Floating Solar, etc)
Room 17	IAHR 61_A.5.4 Computational Methods for Coastal Processes (Waves, Currents, etc.)	IAHR 75_A.4.1 Reservoir Renewable Energy Systems (Hydropower, Floating Solar, etc)		IAHR 90_SS11 Education and professional development: the needs of water professionals in a changing environment and society	IAHR 104_A.2.2 Hydraulic Structures and Processes

**41st IAHR World Congress
(27 Jun 2025, Friday)**

Venue	9.00AM - 10.30AM	11.00AM - 12.30PM	12.30PM - 2.00PM
Room 1	IAHR 105_A.2.3 and A.3.5	IAHR 122_A.3.3 Reservoirs Management	Closing (12.30pm - 1pm)
Room 2	IAHR 106_A.2.2 Hydraulic Structures and Processes	IAHR 123_A.2.2 and A.3.4	
Room 3	IAHR 107_A.6.6 and B.2.7	IAHR 124_A.5.3 Computational Methods for Hydraulic and Water Quality	
Room 4	IAHR 108_A.2.5 Forecasting and Warning	IAHR 125_A.6.1 Advanced Experimental Techniques	
Room 5	IAHR 109_A.2.4 Sediment Transport and Bathymetrical Changes Assessment	IAHR 126_B.1.2 Flood and Droughts Management	
Room 6	IAHR 110_A.2.6 Disaster Risk Reduction	IAHR 127_A.2.6 Disaster Risk Reduction	
Room 7	IAHR 111_A.3.5 Eco- and Environmental Hydraulics	IAHR 128_A.3.5 Eco- and Environmental Hydraulics	
Room 8	IAHR 112_A.2.1 Coastal Processes and Hazards	IAHR 129_A.5.4 Computational Methods for Coastal Processes (Waves, Currents, etc.)	
Room 9	IAHR 113_A.3.2 River Engineering and Management	IAHR 130_A.5.5 Data-Driven Methods and Machine Learning Techniques	
Room 10	IAHR 114_A.6.2 Hydrological Measurements (Flow, Groundwater, Precipitation, etc.)	IAHR 131_A.4.4 Water-Energy-Food Nexus	
Room 14	IAHR 115_B.2.4 Nature-based Solutions for Coastal and Estuarine Waters	IAHR 132_B.2.6-B.2.7	
Room 15	IAHR 116_A.3.1 and B.1.2	IAHR 133_A.4.5-A.4.6	
Room 11	IAHR 117_A.3.4 Urban Hydraulics	IAHR 134_B.2.1 Innovative Solutions for City in Nature with Water	
Room 12	IAHR 118_B.3.1-B.3.11	IAHR 135_A.6.4 and B.2.2	
Room 13	IAHR 119_B.1.5 Resilience Strategies for Extreme Events	IAHR 136_A.3.2 River Engineering and Management	
Room 16	IAHR 120_B.1.3 Improvement in Design Guidance under Climate Change	IAHR 137_B.1.1 Coastal Protection and Management	
Room 17	IAHR 121_A.6.1 Advanced Experimental Techniques	IAHR 138_A.5.2 Computational Methods for Climate and Meteorology	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
Workshop 1	22-Jun-2025	Sunday	10:00	16:30	ROOM 2A	Workshop	Advancements in Air-Water Flows in Outlet Structures of Reservoir Dams		Introduction on safety of outlet structures of reservoir dams	Robert Boes	Matthias Bürgler
									State-of-the-art air-water flow instrumentation	Stefan Felder	
									Safe design of low-level outlets	Simone Pagliara	
									Development of self-aerated flows along micro-rough spillway chutes	Matthias Bürgler	
									Mitigation of cavitation and aerators on spillway chutes	Dan Gessler	
									Uplift pressures and hydraulic jacking on spillways	Janine Vögele	
									Uplift pressures and hydraulic jacking on spillways (pre-recorded video)	Tony Wahl	
									Outlook on measurements at prototype scale	Simone Pagliara	
Workshop 2	22-Jun-2025	Sunday	9:30	16:00	ROOM 2B	Workshop	Bluemath: An Open-Source, Python Framework with Interactive Notebooks for Statistical Analysis and Simulation of Coastal Climate Hazards in a Changing Climate		Introduction to the short-course.	Fernando Mendez	Fernando J. Mendez
									Data Mining Techniques.	Fernando Mendez	
									Downscaling to nearshore areas.	Valvanuz Fernandez-Quiruelas	
									Downscaling of Tropical Cyclone induced waves and surge	Beatriz Perez-Diaz	
									Wave Climate Variability	Beatriz Perez-Diaz	
									Statistical Downscaling	Mirian Jimenez	
									Towards BlueMath	Mirian Jimenez	
									Data Analysis Methods: Exploratory and Confirmatory, Big Data Essentials, Hydroinformatics and Hydroanalytics. Introduction to Statistical and Machine Learning (ML): Fundamentals	Ramesh S. V. Teegavarapu	Ramesh Teegavarapu
									Overview of ML techniques: Classification, Clustering, predictive modelling. Pattern recognition, anomaly detection, dimensionality reduction.	Ramesh S. V. Teegavarapu	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
Workshop 3	22-Jun-2025	Sunday	9:30	16:00	ROOM 3A	Workshop	Machine Learning Approaches for Hydrologic Modelling and Data Quality Assessment		Tree-based Approaches: Decision trees, Regression, Model trees, and Related Ensemble Approaches.	Ramesh S. V. Teegavarapu	
									Clustering (K-means and variants), Classification (KNNs and variants), Support Vector Machines.	Ramesh S. V. Teegavarapu	
									Regression Approaches (K-NN, Gaussian Kernel Regression, Logistic Regression)	Ramesh S. V. Teegavarapu	
									Artificial Neural Networks (ANNs) and Deep Learning (DL)	Ramesh S. V. Teegavarapu	
Workshop 4	22-Jun-2025	Sunday	9:30	17:30	ROOM 3B	Workshop	Advances in Experimental and Numerical Modelling of Earth Dam and Fluvial Dike Breaching		ML techniques for Hydrologic Modelling, Data quality assessment, missing data estimation, and prediction.	Ramesh S. V. Teegavarapu	
									Evaluation of ML-based Models: Calibration and Validation	Ramesh S. V. Teegavarapu	
									Concluding Remarks: Emerging ML Approaches and Directions for Future Research	Ramesh S. V. Teegavarapu	
									Welcome and Intro: Dam and dike breach research: relevance and where are we now?	Robert Boes	Matthew Halso
									Opening Remarks: Introduction and JHR Article Collection on Breaching of Earth Structures	Silvia Amaral	
									Opening Remarks: Introduction and JHR Article Collection on Breaching of Earth Structures	Matthew Halso	
									Formation of breaches in fluvial dikes: contribution of experimental modeling	Kamal El Kadi Abderrezak	
									The Influence of River Hydraulics and Embankment Water Content on Breach Morphology and Outflow Dynamics in Fluvial Dikes	Silvia Amaral	
									Effects of Sand Size and Overtopping Conditions on Dike Breach Evolution	Masoumeh Ebrahimi	
									Experimental investigation of zoned embankment dam failure	Matthew Halso	
									New method for simulation of zoned dam breaching	Matthew Halso	
									New method for simulation of zoned dam breaching	David Vetsch	
									DLBreach model: overtopping and piping failure, and multidirectional flow	Weiming Wu	
									Simulating overtopping breach with physically-based models, 2D depthaveraged models, and CFD	Kamal El Kadi Abderrezak Zied Amama	
									Simulating overtopping breach with physically-based models, 2D depthaveraged models, and CFD	Zied Amama	
									Dike breach model developed with machine-learning, coupled with a 2D hydrodynamic model	Vincent Schmitz	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
									Benchmark test on breach modeling	Masoumeh Ebrahimi	
									Dam and dike breach research: what to expect in the future?	Rui Ferreira	
Masterclass A	22-Jun-2025	Sunday	9:30	17:30	ROOM C	Masterclass	Nature based Solutions for Flooding and Water Management Resilience in a Changing Climate		Introductory Lecture	Ellis Penning	
									Introductory Lecture	Catherine Wilson	
									Introductory Lecture	Fotis Sotiropoulos	
									Session 1: Concept, Processes and Monitoring Design	Ellis Penning	
									Session 1: Concept, Processes and Monitoring Design	Catherine Wilson	
									Session 2: Concept, Processes and Modelling Design	Ellis Penning	
Masterclass B	22-Jun-2025	Sunday	9:30	11:00	ROOM C	Masterclass	Stationarity Assessment of Hydroclimatic Extremes: Methods and Applications		Stationarity and Non-stationarity in a time series – overview, processes, conceptualization, importance, and debate; Parametric and non-parametric assessments	Ramesh S. V. Teegavarapu	Priyank J. Sharma
									Traditional approaches for stationarity detection – trend analysis, change point analysis, unit root assessment; Non-overlapping block-stratified random sampling (NBRS) approach	Priyank J. Sharma	
									Modified NBRS approach; Application of traditional and NBRS approach in stationarity assessment of hydroclimatic extremes and drought characteristics	Achala Singh	
Masterclass D	22-Jun-2025	Sunday	14:00	15:30	ROOM C	Masterclass	Advanced Approaches in the Physical Modelling of Hydraulic Structures		Introduction and Context Welcome and opening remarks by the session convenor. Overview of the history and advancements of the Hydraulics Laboratory at IIT Roorkee.	Muhammed Hashid	
									Basics of the physical modelling of rivers and hydraulic structures. Sub-Topic: Case studies of physical modelling of spillways and desilting basins	Zulfequar Ahmad	
									Case studies of physical modelling of sediment transport in rivers and at hydraulic structures	Nils Ruthen	
									Q&A Session Interactive session allowing participants to engage with the speakers. Discussion on the future needs and challenges in experimental hydraulics.		
									Catchment pollution control and Singapore Active, Beautiful and Clean Waters Programme	Pang Chee Meng	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
139	23-Jun-2025	Monday	13:00	15:00	ROOM 1	Special Session 1	5th Global Water Security Seminar		Practice and Exploration of Chinese Water Enterprises in Biodiversity Conservatio	LIU Hairui	
									The Piracema Channel, fish passage of ITAIPU - conclusions and challenges after long-term monitoring	Caroline Henn	
									Digital Twin Empowering Biodiversity Conservation in the South-to-North	LIU Zhengbing	
									TBC	Aude-Sophie Rodella	
									Innovative Practices of Biodiversity in the Construction of the Datengxia Gorge Water Conservancy Project	HU Mangquan	
1	23-Jun-2025	Monday	14:00	15:30	ROOM 2	Technical Session	A.2.2 Hydraulic Structures and Processes	15	Prototype Observations At A Smooth Converging Chute Spillway Between 1997 And 2024	Hubert Chanson	Bruce Melville
								192	Investigation On The Impact Of Chloride Ion Corrosion In Marine Environments On The Durability Of Rc Piles	Xiaoqing He	
								137	Numerical Study Of The Flow In An Array Of Cylinders Constituting A Schematic Porous Medium	Damien Violeau	
								18	The Influence Of Sand Saturation On Riprap Stability At Culvert Outlet	Taeksang Kim	
								20	Piano Key Weir Research: From Past To Future	Lisa Lüddecke	
								359	Three-Dimensional Analysis Of Blockage Ratio Impacts On Vorticity And Hydrodynamic Loading For Circular Cylinders In Narrow Channels	TRUC TRAN	
2	23-Jun-2025	Monday	14:00	15:30	ROOM 3	Technical Session	A.3.5 Eco- and Environmental Hydraulics	387	Laboratory Experiments And Numerical Simulation Of Ice Melting In Water Current	Chia-Ren CHU	
							A.3.5 Eco- and Environmental Hydraulics	180	Three-Dimensional Hydrodynamic Simulations Indicate Instantaneous Pathways For Fish Passage	Federica Scolari	
							A.3.5 Eco- and Environmental Hydraulics	203	Relationship Between The Form Of Channelized Streams And Community Dynamics Of Fish And Benthic Invertebrates Due To Flood Disturbance	Koji Hijikata	
							A.3.5 Eco- and Environmental Hydraulics	310	Influence Of Pumped Hydropower Storage Operations On Reservoir Ecosystems: A Numerical Study On Thermal Stratification	Melina Sattelmeyer	
							A.3.5 Eco- and Environmental Hydraulics	180	Influence Of Bragg Resonance On Wave Reflection In Artificial Oyster Reefs	Federica Scolari	
							A.1.4 Carbon Sequestration and Storage in Aquatic Environments	848	The Influence Of Stratified Shear Instabilities On Particle Sedimentation With Application To Marine Carbon Dioxide Removal	Adam Yang	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
3	23-Jun-2025	Monday	14:00	15:30	ROOM 4	Technical Session	A.3.1 Water Resources Management	273	Extending Simdeum: A Novel Approach To Modelling Water Demand In Educational And Food Service Sectors	Hugo Jacque	Van Thanh Van Nguyen
								597	Assessing The Probability Of Drought Occurrence Based On A Scenario-Neutral Approach: A Case Study Of The Seomjin River Basin, South Korea	Jiyoung Kim	
								82	Impact Of Cascade Reservoirs On Nutrients Transported Downstream Andregulation Method Based On Hydraulic Retention Time	Qinghui Zeng	
								376	Meeting Water Demand For Supplemental Irrigation In Poland Through Small Water Retention And Tile Drainage System Management	Tomasz Okruszko	
								569	Development Of Decision-Making Support Tools(Er-Dsp) For Water Distribution Between Regions In Case Of Water Shortage	Darae Kim	
								23	Aquifer Storage And Recovery In Qatar: A Study Through Numerical Modeling	Ali Al-Maktoumi	
4	23-Jun-2025	Monday	13:30	15:00	ROOM 14	Technical Session	A.2.1 Coastal Processes and Hazards	1001	Shoreline Prediction Along The Northern Chennai Coast Of India	Sannasiraj Sannasi Annamalaisamy	Phillip Liu
								1116	Gpu-Enhanced Land-Sea Integration Model For Inundation During Storm Surge With Lts-Based Shallow Water Model	He Ma	
								319	Hydraulic Performances Of Vertical Caissons With Retreated Crown Wall	Alessandro Romano	
								972	Experimental Investigation On Flow Characteristics At Transitions In Roughness On Dikes Due To Overflow	Ina Schulte	
								307	Numerical Wave Simulation Based On Two-Phase Lattice Boltzmann Method	jiahe zhou	
								755	Analysis Of Shoreline Change Patterns In Pocket Beach: Study Case In Cemagi Beach, Bali, Indonesia	Firlana Hanifah	
5	23-Jun-2025	Monday	14:00	15:30	ROOM 11	Technical Session	A.2.4 Sediment Transport and Bathymetrical Changes Assessment	929	Evaluation Of Relative Mobility Of Exposed Particles Using Conditional Averaging Of Turbulent Peak Flow Events	Panayiotis Diplas	Silke Wieprecht
								297	A Unified Modeling Framework For Bedload And Suspended Transport In Two-Dimensions	Kim-Jehanne Lupinski	
								168	Dynamics Of Estuarine Circulation And Morphological Alterations: A Case Study Of The Vietnamese Mekong Delta	Menna Allah Ahmed	
								1238	A Model For Equilibrium Contraction Scour Depth At Bridges On Catchment Scale	Mohamed Fainaz Mohamed Inamdeen	
								293	Analysis Of Sedimentation, Short Term General Scour And Local Scour At Bridge Piers During Floods	Oscar Link	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								724	Numerical Study On Spatio-Temporal Dynamics Of Sediment Flux And Its Sensitivity To Sediment Supply In Gravel-Bed River	Karimullah Sefat	
6	23-Jun-2025	Monday	14:00	15:30	ROOM 15	Technical Session	A.5.3 Computational Methods for Hydraulic and Water Quality Modelling	699	Flood Mapping Breakthrough: 2D Presentation Of 3D Scalar Solutions	Alastair BARNETT	Weiming Wu
								178	Improving Water Quality Modelling In Water Distribution Network: A New Indicator For Accurate 1d-2d Model Integration	Gabriele Freni	
								460	Spatial And Temporal Variations In Water Quality Of A Cold-Region River In 2000-2021	Ge Yang	
								512	Development Of Integrated Analysis For Runoff, River Flow And Flooding Flow (Rri-Rf2d Model)	Nozomu Mitsui	
								279	Improving Water Quality Model Performance With Autocalibration: Assessing Impact Of Hydrological Variability	Tianyu Fu	
								337	Applicability And Limitations Of 3d Numerical Models In Predicting The Morphological Changes At Open Channel Junction	Abhishek Pandey	
7	23-Jun-2025	Monday	16:00	17:30	ROOM 2	Technical Session	B.1.2 Flood and Droughts Management	974	Attribution Analysis Of The Impact Of Climate Change And Human Activities On Flood Trends In Typhoon-Affected Regions	Xingwei Chen	James Ball
								106	A Conditional Probabilistic Approach To Analyze Drought Propagations In Southeast Asia	XIAOSHENG QIN	
								134	Urban Flood Simulations Accounting For Large Underground Infrastructure And Infiltration	Reinhard Hinkelmann	
								785	Future Global Flood Risk By Considering The Dynamics Of Hazard, Exposure, And Vulnerability	Hossein Tabari	
								437	Detection Of Flow Transition Between Lowland Watersheds During Intensive Rainfall In The Mixed Urban-Rural Environment	Tomasz Dysarz	
								283	Flood Vulnerability Analysis In East Kupang Sub-District, East Nusa Tenggara - Indonesia	Raino Robson Klau	
8	23-Jun-2025	Monday	16:00	17:30	ROOM 3	Technical Session	A.5.5 Data-Driven Methods and Machine Learning Techniques	9	Transforming Residential Water End Use Analysis: Unleashing The Potential Of Low-Resolution Smart Metering	Rodney Stewart	Mohamed S. Ghidaoui
								438	Comparison Of Performance Between Single And Global Machine Learning Models For Reservoir Storage Prediction	Helen Baron	
								695	Building Trust In Machine Learning Based Quality Control Through Model Evaluation Having No Reference Data: A Case Study On Water Level Measurements	Karen Schulz	
								298	Estimating Dam Seepage Rate Using Machine Learning Techniques For Dam Diagnosis	Hokuto Okabe	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								407	Modeling And Predicting Lake Hydrodynamics Under Sparse Data Conditions Using Convstm-Pinn	Zhengbang Zhou	
								132	Evaluation Of Physics-Informed Neural Network (Pinn) Performance For Modelling Water Hammer	Vincent Tjuatja	
9	23-Jun-2025	Monday	16:00	17:30	ROOM 4	Technical Session	A.6.1 Advanced Experimental Techniques	318	Interaction Of Density-Driven Currents With A Bottom Roughness	Claudia Adduce	Marian Muste
								30	Analytical Considerations About Scale Effects Applied To Landslide-Tsunamis	Valentin Heller	
								43	Simultaneous Flow Rate And Roughness Measurements In Hydraulic Turbines Using A Reformulation Of The Pressure-Time Method	Michel Cervantes	
								77	Hunter Rouse's View Of The Hydraulic Jump?	Jiayue Hu	
								94	Influence Of Piano Key Weir Orientation On Sidewall Standing Waves And Downstream Air-Entrainment	Biruk Belay	
								65	The Experimental Study Of The Velocity Distributions Around The Air-Water Interface With Respect To Wave Breaking In Coastal Region	Ruey-Syan Shih	
10	24-Jun-2025	Tuesday	14:00	15:30	ROOM 2A	Technical Session	A.1.1 - A.1.6	329	An Archimedes Screw Based Barrier Modification System: Synergistic Approach To Nature Restoration And Renewable Energy Generation	Kristina Petra Zubovic	Anders Jacob Odgaard
								1146	Test Bench For The Validation Of Technical Solutions For Energy Flexibility In Water Supply Networks	Francois Nuc	
								698	Decarbonisation Technologies For Biogas Ccus	Jia Wang	
								674	Assessing The Impact Of Cascade Dam Operation On Atmospheric Co ₂ Concentration Using Satellite Remote Sensing	Yuan yuan Wang	
								872	Adapting A Numerical Mangrove Growth Model For Assessing Australian Coastal Wetlands	Steven Sandi Rojas	
								608	Carbon Emission Reduction From Integration Of Existing Hydropower And Proposed Floating Solar Photovoltaic At Sutami Dam Indonesia	Didik Ardianto	
11	24-Jun-2025	Tuesday	14:00	15:30	ROOM C	Technical Session	A.2.5 Forecasting and Warning	814	Towards Local Flood Warning Systems, Deploying High Resolution Sensing To Provide Situational Awareness During And After Floods: A Uk Trial	Peter Melville-Shreeve	Ioan Nistor
								111	A Study On Generalization Of Dam Inflow Prediction By Machine-Learning Based Method For Entire Japan	Takuma Suzuki	
								294	Atmospheric Conditions During Compound Wind And Precipitation Extreme Events In Metro Manila; Linkages And Predictions	I Gusti Ayu Diah Valentina	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
11	24-Jun-2025	Tuesday	14:00	15:30	ROOM 5	Technical Session	A.5.1 Flooding and Training	191	Comprehensive Prediction Of Water Intake Impact From Hazardous Substances Discharged Into The Yodo River During A Tsunami	Haodong Bai	
								906	A Coupled Gpu-Accelerated And Lts-Based Hydrodynamic Model For Urban Flood And Drainage Network Simulation	Yexuan Sun	
								79	Research On Estimating Snow Distribution Using Ai Technology	Shoichi Kurosawa	
12	24-Jun-2025	Tuesday	14:00	15:30	ROOM 4	Technical Session	A.6.2 Hydrological Measurements (Flow, Groundwater, Precipitation, etc.)	584	Uncovering The Drivers Of Streamflow Hysteresis: A Momentum-Based Approach For Enhanced Flow Insights	Marian Muste	Vladan Babovic
								311	A Novel 5g-Based Sensor For High-Resolution Urban Precipitation Monitoring	Ruo-Qian Wang	
								224	Drifting Properties Of Float In Wind-Induced Open-Channel Flow	Shun Kaneko	
								121	H-Adcp Measurements In The Port Of Hamburg - A Contribution To The Understanding Of Hydromorphological Processes In A Tidal Inland Port	Suleman Shaikh	
								245	Examining The Ability Of Underwater Acoustic Tomography To Measure Streamflow Within Highly Sediment Concentrations	Mohamad Basel ALSAWAF	
								139	Dynamic Adjustment Of The Influence Parameter For Idw Spatial Interpolation: An Algorithm Applied To The Valley Of Mexico Basin	Roberto Abraham Vázquez-Martínez	
13	24-Jun-2025	Tuesday	13:30	17:30	ROOM 5, ROOM 10	Special Session 19	Inaugural Singapore Water Association – Southeast Asia Symposium on Coastal Protection				
14	24-Jun-2025	Tuesday	14:00	15:30	ROOM 6	Technical Session	A.2.6 Disaster Risk Reduction	444	Multivariate Analysis Of Compound Flooding In Can Tho City, Vietnam	Qihua Liang	Pengzhi Lin
								50	Study On Deformation And Control Of Surrounding Rock In Inclined Coal Seam Roadways Under Seepage Effects	Tianwen Li	
								146	Numerical Simulations Of Partially Submerged Farm Animals Exposed To Floodwaters	Tommaso Lazzarin	
								183	Resistance Of A Gabion Against Overflow Based On A Full-Scale Experiment Of River Levee	Kengo Hori	
								418	Proposal For The Evacuation Difficulty Map During Inundation	Honoka Aita	
								577	People-Oriented Assessment Framework Of Compound Urban Flooding Risks In The Context Of Climate Change: A Case Study Of Hong Kong	Zhiyong LONG	
								541	Effects Of A Collinear Current On Wave Damping By Seagrass Meadows	Davide Vettori	Heidi Nepf

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
15	24-Jun-2025	Tuesday	14:00	15:30	ROOM 7	Technical Session	A.3.5 Eco- and Environmental Hydraulics	197	A Hydrodynamic Analysis Of A Chinese Mitten Crab Trap Using 3d Modeling	Sengdavanh Thepphachanh	
								302	The Physical Environment And The Behavior Of Crustacean Larval Under Flood Condition In The Kitagawa River Estuary, Japan	Akira Tai	
								664	Alternative Downstream Passage Incorporating Swirling Flows	Reilly Cox	
								776	Hydrodynamic Pressure Distribution On A Rough-Bed River Using Cfd And High-Resolution Topography	Tais Yamasaki	
								347	A Method For Assessing Eutrophication Risk Of Lakes Considering Joint Effects Of Water Quality And Water Quantity And Its Application In Caohai Lake, China	Wei Huang	
140	24-Jun-2025	Tuesday	14:00	15:30	ROOM 3	Special Session	Special Session OC and Keynotes	-			
16	24-Jun-2025	Tuesday	14:00	15:30	ROOM 8	Technical Session	A.2.2 Hydraulic Structures and Processes	17	Preventing Overflow Instabilities On Half-Round Circular Weirs - An Innovative And Simple Approach	Hubert Chanson	Holger Schüttrumpf
								212	Influence Of Sea Level Rise On A Coastal Barrier System And Its Reliability Against Future Storm Surges In The Houston-Galveston Area, Texas	Ram Balachandrar	
								33	Protection Of Riverbed Downstream Of Low Head Drop Structure	Seokmin Son	
								81	Experimental Study On Shock Wave Characteristics Of Cavitation Bubble Collapse Near Rigid Wall Under Low Ambient Pressures	YOUICHI YASUDA	
								188	Enhanced Energy Dissipation Using A Hybrid Stilling Basin Design Downstream Of Ogee Spillways	Tong Qu	
								117	Numerical Simulations Of Flash Floods In A Partially Urbanized Catchment: The Brague River Case Study (South-East France)	NISHANK AGRAWAL	
17	24-Jun-2025	Tuesday	14:00	15:30	ROOM 9	Technical Session	B.1.1 Coastal Protection and Management	229	Coastal-Inland Flood Model For Singapore: From A Coastal Protection Agency's Perspective	Poh Hoon Ang	Bas Reedijk
								336	Empirical Equilibrium Beach Profile Formula For Typical Beach With Two Sandbars	Wei Xing	
								709	Coastal Floodplains Are Highly Vulnerable To A Rising Low Tide – The Drainage Window Conundrum	Katrina Waddington	
								525	Wave Overtopping Of Rock And Stepped Coastal Revetments With Very Shallow Foreshores	Ana Cristina Santos Mendonça	
								707	Rainfall Induced Seepage And Groundwater Level Change In Sand Fill And Its Impact To Stability Of Revetment	Yaodong Zhang	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								719	Avoiding Investment Regret: Incorporating Real Options Economics For Adaptive Coastal Protection Decisions	Alexandra Humphrey Cifuentes	
18	24-Jun-2025	Tuesday	14:00	15:30	ROOM 11	Technical Session	A.2.1 Coastal Processes and Hazards	745	Experimental Observations Of The Incipient Motion Of Negatively Buoyant Debris During Dam-Break Waves	DAVIDE WÄœTHRICH	K Murali
								820	Consideration Of Tidal Constituents For Sea Level Anomalies In Singapore Waters	Farzin Samsami	
								196	Efficiency Of Pile Breakwaters In Experimental Model Tests	Hanna Brandt	
								320	Assesment Of Pedestrian Risk Form Coastal Wave Overtopping: A Hybrid Quantitative Methodology	Khawar Rehman	
								321	Far-Field Simulation Of A Landslide Generated Tsunami In Lake Iseo	Riccardo Bonomelli	
								773	Historical And Future Climate Typhoon And Storm Surge Trends In The Philippines: Case Study Of San Pedro Bay, Leyte	Justin Joseph Valdez	
19	24-Jun-2025	Tuesday	14:00	15:30	ROOM 2B	Technical Session	B.2.5 and B.2.6	582	Assessing The Impacts Of River Restoration Measures For A Target Species: First Steps Towards New-Generation Metapopulation Models	Francesca Padoan	Sung-Uk Choi
								305	Hydrodynamic Disturbance And Nutrient Accumulation Co-Shape The Depth-Dependent Prokaryotic Community Assembly In Intertidal Sediments Of A Mountainous River Estuary	Longfei Wang	
								401	Rebuilding Fish Connectivity In River-Lake Systems: Hydrological Rhythm-Based Ecological Management	Jiajian Qiu	
								1071	Study On Spatial Heterogeneity Evolution Of Oyster Reef In Dashentang, Tianjin	Fengze Zhao	
								896	Accessing Flood Resilience Through Ecosystem Services Supply Demand Framework	Soe Soe Tun	
								301	Probabilistic Method To Assess The Flood Probability Of A Tidal Culvert, Ensuring A Safe Nature And Intertidal Area Inland Of The Primary Water Defense	Maarten Schoemaker	
20	24-Jun-2025	Tuesday	14:00	15:30	ROOM 12	Special Session 35	Uniting for Water: Global Collaboration to Tackle Water Challenges	1382	Technology and Practice of Emergency Treatment for Barrier Lake Hazards	Yonghui Zhu	
								566	Status and Issues Related to the Implementation of Integrated River Basin Management in Malaysia	Chow Hock Lim	
								-	Flood Defense Strategies in the Era of Climate Change	Won Kim	
								-	Modelling for Understanding and Managing the Risks of Emerging Contaminants in Water Systems in Singapore and China	Xuneng Tong	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
21	24-Jun-2025	Tuesday	14:00	15:30	ROOM 13	Special Session 3	Advanced Measuring Techniques for Ocean Waves and Currents	1354	An Innovative Policy Approach in Addressing Pollution Control over the Yangtze River from Source to Sea	Fang Ze	
								-	Potential and Sustainability of Nature-Based Solutions to Global Water Challenges	Fang Yenn Teo	
								-	Implementation and Operation of a Coastal Radar Measurement Network in Taiwan	Dong-Jiing Doong	
								-	Waves, Sea Surface Current, and Bathymetry Determination from X-Band Marine Radar Image Sequences	Li-Chung Wu	
								-	Data-Driven Mode Extraction in Synthetic Wave Fields: A Dynamic Mode Decomposition Framework for Validation	Xiaoping Chen	
22	24-Jun-2025	Tuesday	16:00	17:30	ROOM 2A	Technical Session	A.2.3 Enhancements in Urban Drainage Systems	-	Validation of the Water Surface Reconstruction Method Using Simulated Reflected Light Distribution from Synthetic Wave Fields	Baoxin Jiang	
								-	High-Resolution Monitoring of Wave Transformation in a Flume Using a Three-Dimensional LIDAR	Jian Shi	
								955	An Application Of Ai For Building Drainage Models For Urban Catchments	James Ball	David Zhu
								681	Numerical Investigation On The Mechanisms Of Air-Water In The Deep Tunnel Downstream Of A Dropshaft	Zhaolin Zheng	
								924	Framework For Planning Nature-Based Solutions To Meet Long-Term Catchment Scale Pluvial Flood Mitigation Targets	Wenhui Wu	
23	24-Jun-2025	Tuesday	16:00	17:30	ROOM 9	Technical Session	A.3.2 River Engineering and Management	377	Hydrological Performance Of Permeable Pavement Systems Designed Using Recycled Materials To Reduce The Impact Of Flooding	Shatirah Akib	
								181	Evaluating Blue-Green Infrastructure For Urban Flood And Drought Mitigation Under Changing Climate Scenarios	Xuan Wu	
								316	Experimental Study Of The Bifurcation Tunnel Structure And Comparison With The Prototype	Gerardo Ruiz	
								400	Evaluation Of Existing Methods To Predict Flow Resistance Due To Stream Meandering	Ana Maria Ferreira da Silva	Ana Maria Ferreira da Silva
								1225	Spatio-Temporal Variation Of The Morphologically Active River Corridor In Long-Duration Flume Experiments	Silke Wieprecht	
								1208	Characteristics Of Shallow Mixing Layer In An Open-Channel Confluence	S. Samuel Li	
								115	Optimizing Morphological Design For Ecological Restoration And Flood Resilience: A Case Study Of The Gérine River, Switzerland	Azin Amini	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								476	Dynamics Of Large Wood Transport Near The Confluence	Yuchen Zheng	
								451	Numerical Modeling Of The Vegetation Effects In Rivers	Maritza Arganis	
24	24-Jun-2025	Tuesday	16:00	17:30	ROOM 4	Technical Session	B.1.2 Flood and Droughts Management	657	Probability Of Spatio-Temporal Propagation From Meteorological To Hydrological Drought In South Korea	Ho-Jun Son	Panayiotis Diplas
								839	Perspectives For Drought And Water Scarcity Management And Planning In The Iberian Peninsula. The Importance Of Common Transboundary Indicators.	Miguel Costa	
								934	Climate Change Assessment Using The Integrated Water Quality Index	Sangung Lee	
								226	Frequency Analysis In Flood Management: Confidence Interval Estimations Based On Pivotal Quantities In Generalized Extreme Value Distribution	Weiqliang Zheng	
								789	Bridging Science And Practice: Quantifying The Multi-Benefits Of Nature-Based Solutions For Water Resilience	Michael Pollock	
								242	Combined Effects Of Climate Change, Sea Level Rise, Groundwater Level Increase And Land Use Changes On Surface Runoff In Coastal Areas	Yuanyuan JIA	
25	24-Jun-2025	Tuesday	16:00	17:30	ROOM 6	Technical Session	A.2.6 Disaster Risk Reduction	340	A Review About Flood Preparedness Of Healthcare Facilities	Maria Pregolato	Qihua Liang
								235	Numerical Simulation Study On Seismic Isolation And Reduction Of Underground Structures	Haorui Chen	
								704	Integration Of Stability Functions Into Transport Flood Risk Modelling Framework	Lea Dasallas	
								475	Runoff Forecasting Based On Rainfall Distribution Information And The Relation Between Forecast Accuracy And Watershed Characteristics	Go OHNO	
								495	Experiment Study On Dike Breaching With Top Structures	Wei Huang	
								199	Research On The Flood Characteristics Of Three-Dimensional Bearing Bodies Based On Computational Fluid Dynamics	Cai Zhao	
26	24-Jun-2025	Tuesday	16:00	17:30	ROOM 7	Technical Session	A.3.5 Ecological and Environmental Hydraulics	784	Hydraulic Performance Of A Fishway Under Different Turbine Operations: A Case Study From Switzerland	Ismail Albayrak	Gregory Lawrence
								808	Hydraulic Analysis Of An Artificially Generated Guiding Stream For Improved Downstream Fish Passage At A Hydropower Dam	Anders Andersson	
								852	Assessing Hydropeaking Mitigation Measures Using Casimir Model: Effects For Fish Habitat	Giuseppe Roberto Pisaturo	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
26	23-Jun-2025	Monday	14:00	17:00	ROOM 7	Technical Session	A.2.1.2 Sedimentation Processes	904	The Influence Of Patchy Vegetation On Tidal Flows: Field Dye Measurements Of Intra- And Inter-Patch Processes	Julia Mullarney	
								487	Transverse Ribs And Gigantic Rocks Distribution In Alluvial Fan Rivers And Influence Of Geological And Anthropogenic Impacts	Kazuki Karasawa	
								494	Effect Of The Jinsha River Hydropower Development On Coreius Guichenoti Long-Term Population Viability	Rui Han	
27	24-Jun-2025	Tuesday	16:00	17:30	ROOM 8	Technical Session	A.2.2 Hydraulic Structures and Processes	133	Turbulent Profiles Of Flows On A Block Ramp Via Numerical Cfd Simulations	Kimberley Kasischke	Hubert Chanson
								35	Numerical Analysis Of Micro-Mechanism Of Dam Piping Hazard Based On Dem-Lbm Method	Xudong Zhang	
								550	Flow Patterns In A Supercritical Vortex Drop Shaft	Gaetano Crispino	
								270	Optimization Of Hydraulic Performance Of A Gated Spillway With A Breast Wall And Unconventional Low Weir Under Curved Inflow Condition	Yuzhuang Chen	
								68	Investigation Of Hydraulic Jump Roller Toe Dynamics In Open Channel Flows	Jiayue Hu	
								390	Stability Of Asphalt Core Dam Under Earthquake Loads	DENIK SRI KRISNAYANTI	
28	24-Jun-2025	Tuesday	16:00	17:30	ROOM C	Technical Session	A.3.4 Urban Hydraulics	686	Towards Efficient Building Representation In 2d-Hydrodynamic Modeling	Leon Frederik De Vos	Stefan Felder
								231	Improvement Of Water Supply System Infrastructure In Ende: Challenges And Solutions	INTAN SUPRABA	
								684	Effect Of Speed Bumps On Hydraulics Efficiency Of Grate Inlet	Beniamino Russo	
								263	Analysis Of Pedestrians Safety In Subway Station Platform By Inundated Flow	Minjae Kim	
								716	Inflow And Infiltration Assessment Of A Prototype Sanitary Sewer Network	Yu Qian	
								208	Application Of Smoothed Particle Hydrodynamics For Simulation Of Raifall Runoff In Urban Terrain	Akihiko Nakayama	
								537	Marsh-Fronted Seawall For Coastal Protection: Influence Of Plant Species, Seasonality, And Sea-Level Rise On Wave Dissipation And Benefit-Cost Ratio.	Heidi Nepf	Ellis Penning
								529	Wave Attenuation In Laboratory Vegetated Flume With Different Vegetation Layouts	Jiarui Lei	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
29	24-Jun-2025	Tuesday	16:00	17:30	ROOM 2B	Technical Session	B.2.4 Nature-based Solutions for Coastal and Estuarine Waters	867	Experimental Investigation On Shoreline Evolution Driven By Oyster Reefs	Rafael Tinoco	
								356	Informing Adaptive Development In Sensitive Coastal Habitats Using Environmental Data And Hydrodynamic Modelling	Thue Noehr Geil	
								1048	Three Years Of Artificial Dune Evolution At Pilot Sites In Belgium: Monitoring, Modelling And Future Prospects	Pieter Rauwoens	
								251	Wave Transformation And Wave-Induced Current Across Reef-Type Breakwater Groups With Varying Spacing	Yuhua Zheng	
30	24-Jun-2025	Tuesday	16:00	17:30	ROOM 13	Special Session 13	Enhancing Water and Social Resilience in Urban Areas: A call for City Water Leaders	-	Challenges and opportunities related to water and social resilience in urban areas under climate change from a global perspective	Sarantuyaa Zandaryaa	
								-	Research and suggestions on climate and water resilience in urban areas	Elpida Kolokytha	
								-	Research and suggestions on climate and water resilience in urban areas	Yonghui Zhu	
								-	Research and suggestions on climate and water resilience in urban areas	Nicola Tolin	
								-	Research and suggestions on climate and water resilience in urban areas	Asaad Y. Shamseldin	
								-	Governance and planning to enhance climate and water resilience in urban areas in transboundary catchments	Rafatou Fofana	
141	24-Jun-2025	Tuesday	16:00	17:30	ROOM 11	Special Session #1	Session 1: Estuarine hydrodynamics and sediment dynamics	1571	Flood Channel Morpho-Dynamic Evolution in Response to Natural and Human Interferences	Xuefei Mei, Zhijun Dai, Min Zhang and Jie Wang	
								1526	Biofilms as The "Ecosystem Engineers": The Microbiological Mediation of Intertidal Sediment Behavior	Xindi Chen	
								1583	Machine Learning-Driven Assessment of the Largest Salt Marsh Dynamics in the Yangtze River Delta	Cong Hu, Yanyun Xing and Yonggang Jia	
								1512	Flocculation-Driven Suspended Sediment Dynamics in Estuarine Fronts	Leiping Ye, Jie Ren, Huan Liu, Jiaxue Wu and Jiayao Zhang	
								1572	Suspension Process of Silty Sediment under Current	Zhongxing Qiao, Yongping Chen, Peng Yao, Yuan Wang and Min Su	
								1591	TURBULENT FLOW STRUCTURE IN COMPOUND CHANNELS: COMPARING THE MORPHOLOGICAL EFFECTS OF TWO EMERGENT FLEXIBLE FLOODPLAIN VEGETATION TYPES	Laxman V Rathod, Gurugubelli Yatrirajulu, P V Timbadiya and Bandita Barman	
								1517	Ultra-Short-Term Evolution of Salt Marsh Vegetation and It's Driving Mechanism in Liaohe Delta Wetland	Shuxiu Liang, Jiaqing Sun and Zhenhua Wang	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
142	24-Jun-2025	Tuesday	16:00	17:30	ROOM 12	Special Session #2	Session 2: Biophysical interactions and biomorphodynamics	1531	What controls the height of marsh edge cliffs?	Xiaotian Zhang and Zeng Zhou	
								1540	Insight into the energy dissipation process by coastal vegetation for different flows	N Hari Ram and V Sriram	
								1314	Impacts of Compound Fluvial Flood-Typhoon events on the Estuarine Physical and Ecological Dynamics	Jianzhong Ge and Xiangqian Zhou	
								1513	The Effects of Vegetation on Shallow Jet Stability: An Experimental Study	Rupan Yan, Yunqi Liu, Jingxi Xu and Dongdong Shao	
								1578	Flow-Vegetation Interaction Studies: A Historical Review of Flume Experiments (1971-2024) and Field Investigations in Urban Naturalized Waterways	Rian Mantasa Salve Prastica	
143	25-Jun-2025	Wednesday	14:00	17:30	ROOM 1		JFK Competition	99	INTEGRATED DECISION SUPPORT SYSTEM FOR LARGE-SCALE CASCADE RESERVOIRS UTILIZING ROLLING PREDICTION AND ADAPTIVE OPTIMIZATION	Wang Peng	
								315	INTERACTIONS BETWEEN SODIUM POLYACRYLATE AND SUSPENDE SEDIMENTS IN A RIVER REACH	Mohamed Bey Zekkoub	
								498	A PHYSICALLY BASED APPROACH TO STREAMFLOW TEMPERATURE MODELING: THE NLOST MODEL	Valeria Garcia Munera	
								1418	EXPERIMENTAL INVESTIGATION OF FLUVIAL URBAN FLOOD FLOW DYNAMICS	Reshma Radhakrishnan	
								871	COMPARISON OF FLOW PATTERN AROUND STRAIGHT AND T-HEAD SPUR DIKES	Tapas Kumar Pradhan	
								544	A high resolution national database of river widths from remote sensing and cloud-based image processing	Kirby	
								335	EXPERIMENTAL STUDY ON WAVE DEFORMATIONS OF AN ECOLOGICAL REEF-TYPE SUBMERGED BREAKWATER ON AN IMMOBILE FLATBED UNDER REGULAR WAVES	Li	
								943	IMPACT OF HYDROPOWER DEVELOPMENT ON ZOOPLANKTON DIVERSITY AND COMMUNITY ASSEMBLY IN THE LOWER JINSHA RIVER	Zhou	
								186	A Study on the Performance Evaluation of Rainfall-Runoff Reduction Facilities in Urban Watersheds	Kim	
								-	Sustainable fisheries and water management in estuarine waters	Joseph Lee	
								1101	Enhancing fish migration at diversion power plants	Elena-Maria Klopries	
								-	River ethics and practices in China	Haihong Li	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
31	25-Jun-2025	Wednesday	14:00	15:30	ROOM 2	Special Session 28	River Ethics and Water Engineering	-	Hydrological and water quality parameters in rivers draining to Johor Strait	Athaya Qasamah Jauhari	
								-	Localizing River Ethics in China: practical approaches and recent achievements	QiangWu	
								-	Who Speaks for the River? Ethics, Engineering, and the Multipurpose River Landscape	Borjana Bogatinoska	
								-	A Comprehensive Plan for Integrated Water Quality Management in The Brantas River Basin	Astria Nugrahany	
32	25-Jun-2025	Wednesday	14:00	15:30	ROOM 3	Special Session 22	Integrated Flood Risk Management (IFRM): from Science to Practice	612	THE STATUS AND FUTURE OF INTEGRATED FLOOD RISK MANAGEMENT – AN EXPERT ASSESSMENT	Stefan Haun	
								612	THE STATUS AND FUTURE OF INTEGRATED FLOOD RISK MANAGEMENT – AN EXPERT ASSESSMENT	Daniela Molinari	
								1305	CFD ANALYSIS OF HYDRODYNAMIC LOAD ON BRIDGES UNDER SUBMERGENCE AND SEDIMENT DEPOSITION	Alessio Domeneghetti	
								1337	INTEGRATION OF FLOOD HAZARD, EXPOSURE, VULNERABILITY AND CAPACITY FOR THE UNESCO SITE MANAGEMENT PLAN OF FLORENCE (ITALY)	Chiara Arrighi	
								1407	Propagation of uncertainty from flood inundation modeling to damage estimations: trade-offs in using channel bathymetry derived from topographic LIDAR	Anna Rita Scorzini	
								1473	RECENT FLOODS IN CENTRAL EUROPE – LESSON LEARNED FROM NYSA KŁODZKA, POLAND	Pawel Rowinski	
								1486	PERFORMANCE OF EARLY WARNING DURING EXTREME FLOOD EVENT: 2022 FLOOD OF NE BANGLADESH	Shampa	
								1056	The Socio-economic and Environmental Impact Assessment of Floods: A Case Study	Qian Yu	
33	25-Jun-2025	Wednesday	14:00	15:30	ROOM 4	Technical Session	A.2.4 Sediment Transport and Bathymetrical	1466	FLOOD ADAPTATION AND RESILIENCE IN URBAN SYSTEMS	Zahra Kalantari	
								1413	STRATEGIC WETLAND PLACEMENT: A MULTIFUNCTIONAL APPROACH IN SWEDISH LANDSCAPES	Amir Rezvani	
								83	Experimental Study Of Dam-Break Induced Local Scour Around Walls	Seyed Abbas Jazaeri	Fabian Bombardelli
34	25-Jun-2025	Wednesday	14:00	15:30	ROOM 4	Technical Session	A.2.4 Sediment Transport and Bathymetrical	459	One-Dimensional Physically-Based Model Of Dam And Levee Breaching Due To Overtopping Flow	Weiming Wu	
								625	Assessment Of The Impact Factor On The Coastal Morphology Of Taitung, Taiwan, By Using The Eof Method	WEI-PO HUANG	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
33	22-Jun-2025	Wednesday	14:00	15:30	ROOM 4	Technical Session	Changes Assessment	918	Influence Of Seepage-Integrated Flow Models In Predicting Overtopping Erosion Of Small Levee	Yuki Nakata	
								949	Analyzing The Interaction Between Riparian Vegetation And River Morphodynamics From Hydraulic Experiments Based On Remote Sensing	Eun-kyung Jang	
								430	Development Of Scour Prediction Equations For Bouldery Strata: An Analytical And Experimental Study	Abhi Sangra	
34	25-Jun-2025	Wednesday	14:00	15:30	ROOM 7	Technical Session	A.2.2 Hydraulic Structures and Processes	51	Effects Of Group Piles On Local Scouring Around A Bridge Pier In An Open Channel	Terunori Ohmoto	Nils R��ther
								553	3d Scour Due To Low-Inclined Circular Jets In Cohesive Soils: A Preliminary Analysis	MICHELE PALERMO	
								639	Mitigating Saltwater Intrusion Through The Neo-Panamax Locks	Maria Gabriela Castrellon Romero	
								535	Numerical Simulation Study On The Excavation Of An Auxiliary Traffic Tunnel In A Hydropower Station	Jiaji Chen	
								190	Experimental Study Of Self-Lining By Sediment Deposition Over Strip Roughness Elements	Kazumasa Matsumoto	
								80	Relationship Between The Morphology And Impact Characteristics Of Cavitation Bubbles Collapse Near Elastic Boundary	Jie Li	
35	25-Jun-2025	Wednesday	14:00	15:30	ROOM 8	Special Session 6	Concept of Adaptation – Coastal Measure and Climate Change	-	Adapting for accelerating climate change. Examples of robust and nature friendly solutions	Bas Reedijk	
								-	Nature-inclusive marine infrastructure can enhance coastal ecosystems	Remment ter Hofstede	
								-	Sustainable Coastal Protection for Climate Adaptation	Wouter Ockeloen	
								486	EXTREME STORM SURGE AND WAVE MODELLING AND ITS APPLICATION TO COASTAL ENGINEERING DESIGNS	Adrian Lai	
36	25-Jun-2025	Wednesday	14:00	15:30	ROOM 9	Technical Session	A.4.2 Marine Renewable Energy Systems (Wave Power, Tidal Power, Hybrid Solutions, etc)	36	Irregular Wave Overtopping On A 2d Fixed Overtopping Wave Energy Converter	HAO CHEN	Sannasi Annamalaisamy Sannasiraj
								354	Sensitivity Analysis Of Tidal Stream Resource Using Multi-Scale Channel Network Models	Emils Brazovskis	
								517	Performance Of Different Ramp Configurations Characterizing An Overtopping Wave Energy Converter Using Joint Probability Density Functions: Preliminary Numerical Results	SAEED Osouli	
								692	A Dual-Functional Slotted Breakwater Integrated With An Oscillating Water Column With A Linear Turbine: Preliminary Analytical Results	Clint Chester Reyes	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								842	Wave Energy On The North American Great Lakes: Nearshore Resource Assessments To Inform Innovative Solutions For Global Technology Development	Gracie Bahr	
								1039	A Dynamical Programming Algorithm For Optimal Control Of Tidal Range Schemes	Yuxuan Liu	
37	25-Jun-2025	Wednesday	14:00	15:30	ROOM 14	Special Session 33	Transport dynamics of plastic pollution in aquatic environments	189	Monitoring plastic using deep learning model in a controlled laboratory environment	Ana Todorova	
								1074	SEASONAL VARIATIONS OF MICRO- AND MESO-PLASTIC CONCENTRATIONS IN RIVERS UNDER NORMAL CONDITIONS	Yugo Kobayashi	
								1362	STUDY ON THE RELEASE CHARACTERISTICS OF NANOPLASTICS FROM SINGLE-USE PLASTIC AND PAPER-BASED PRODUCTS	Jiwon Son	
								217	Settling behavior of microplastic particles in grid-generated turbulence: a comparative study of fibers and spheres	Siamak Seyfi	
								1447	PREPARATION OF SURFACE UNMODIFIED POLYSTYRENE NANOPARTICLES WITH CONTROLLABLE SIZE AND CONCENTRATION	Soobin Yang	
								1461	YEARLY PLASTIC FLUX IN CROSS-BORDER REGIONS IN THE NETHERLANDS	Stephanie Oswald	
38	25-Jun-2025	Wednesday	14:00	15:30	ROOM 15	Special Session 17	Guidelines for adaptation to climate change in water engineering	1456	LINKING WATER INFRASTRUCTURE ADAPTATION PROCEDURES TO CLIMATE CHANGE WITH DESIGN GUIDELINES	Anastasios I. Stamou	
								-	URBAN INFRASTRUCTURE DESIGN IN THE CLIMATE CHANGE CONTEXT: ADVANCES AND CHALLENGES IN DEVELOPING ENGINEERING PRACTICE GUIDELINES	Van Thanh Van Nguyen	
								-	CONSIDERATIONS OF CLIMATE VARIABILITY IMPACTS FOR ADAPTIVE AND RESILIENT HYDROSYSTEMS	Ramesh Teegavarapu	
								1391	BRIEF OVERVIEW OF CURRENT ADAPTATION PRACTICES FOR JAPANESE RIVER MANAGEMENT ON CLIMATE CHANGE	Kenichiro Kobayashi	
								-	Climate-Resilient Delta Systems: Developing an Integrated Assessment Model to Assess Salt Intrusion Mitigation Measures	Paran Pourteimouri	
								-	Climate-Resilient Delta Systems: Developing an Integrated Assessment Model to Assess Salt Intrusion Mitigation Measures	Robert-Jan Den Haan	
								-	Climate-Resilient Delta Systems: Developing an Integrated Assessment Model to Assess Salt Intrusion Mitigation Measures	Mascha Van Der Voort	
								1333	Centennial Delta Development: A Prototype Model of The Yellow River Delta	Leicheng Guo, Cheng Yang and Weiming Xie	
								1588	Laboratory Experiments on the Underwater Deposit Morphology in Hydraulic Filling Processes	Nanbei Shen, Zheng Gong and Chuang Jin	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
144	25-Jun-2025	Wednesday	14:00	15:30	ROOM 11	Special Session #3	Session 1: Estuarine hydrodynamics and sediment dynamics	1528	Response of Estuarine Circulation to Human-Induced Bathymetric Alterations in The Lingding Bay	Peng Yao, Xin Zhao, Jinya Mei and Min Su	
								1535	Hybrid Approaches for High Fidelity Modeling of Hydrodynamic Behaviour in Estuaries	Mirian Jiménez Tobio, Beatriz Pérez Díaz, Etienne Faugere, Jared Ortiz Angulo, Paula Camus, Iratxe Lopez, Sonia Castanedo and Fernando Mendez Incera	
								1586	Field observations of critical bed shear stress for sediment erosion using a self-designed annular flume	Qian Zhang, Zheng Gong, Chen Chen and Yuqi Zhang	
								1293	Modelling Coastal/Estuarine Dynamics Using a Physics-Data Hybrid Neural Network Model	Zaiyang Zhou, Yu Kuai, Jianzhong Ge, Dirk S. van Maren, Kailin Huang, Pingxing Ding and Zhengbing Wang	
145	25-Jun-2025	Wednesday	14:00	15:30	ROOM 12	Special Session #4	Session 4: Estuarine systems as buffers against climate change	1532	Coastal Resilience against multiple stressors	David Paterson, James Rimmer, Thomas Baxter, Xuesong Hu, Yuting Yang and Xindi Chen	
								1507	Tidal dynamic response to riverbed evolution in the Yangtze River Estuary	Han Yufang	
								1492	Impact of Extreme Climatic Conditions on Material Transport and Biogeochemical Processes in Hong Kong Waters	Tianan Deng, Huan-Feng Duan, Jun Sasaki and Alireza Keramat	
								1510	Balancing Physical and Human-Driven Morphodynamic Changes: Insights from the 1 Pearl River Estuary	Junjie Deng, Hongze Yu, Yi Zhang, Jingyu Hu, Giovanni Coco and Jiaxue Wu	
								1515	Investigating The Role of River and Surge Drivers in Storm Sediment Delivery to A Small Tide-Dominated Estuary in New Zealand	Sanne M. Vaassen, Karin R. Bryan, Andrew Swales, Joel A. Carr and Conrad A. Pilditch	
								1527	Morphodynamic Mechanism of Water Diversion Ratio for A Branching River Network Estuary	Min Su, Zhicheng Liu and Peng Yao	
39	25-Jun-2025	Wednesday	14:00	15:30	ROOM 13	Special Session 24	Nature-based Solutions Connecting Science and Practise Workshop	-	How to successfully implement Nature-based Solutions - an introduction to the workshop	Ellis Penning	
								-	The role of stakeholders in implementing Natural Flood Management	Catherine Wilson	
								-	Implementing Natural Flood Managmenet in the UK	Mike Adams	
								-	Implementing Urban Nature-based Solutions for Healty Communities in Singapore	Lyn Liu Huei	
40	25-Jun-2025	Wednesday	16:00	17:30	ROOM 2	Technical Session	A.5.3 Computational Methods for Hydraulic and	276	Coastal Water Quality Modelling And Microbial Contaminant Transport Under Wave Action – A Systematic Literature Review	Ravindar Rajendran	Pawet Rowinski
								715	Fast 1d Flood Simulation Parametrised By 2d Hydraulic Models	Behzad Jamali	
								539	Sergei-Swmm: An Efficient High-Performance 1d-2d Bidirectional Hydrodynamic Model	Na Zheng	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
40	22-Jun-2025	Wednesday	14:00	17:00	ROOM 12	Thematic Session	Water Quality Modelling	448	A Flexible Subgrid Method For Fast Flood Simulations Using Shallow Water Equations With Enhanced Bathymetry Resolution	Max Bitsch	
								824	A New Methodology For Explaining Nonlinear Tidal Processes: Case Study Of The Delaware Estuary	Haoyan Dong	
								371	Discontinuous Galerkin Turbulence Simulator For Shallow Vortical Flow With Mixed Eddy Structures	Xitong Sun	
41	25-Jun-2025	Wednesday	16:00	17:30	ROOM 3	Special Session 15	Flood adaptation and resilience	1346	ENTROPY-AHP COMBINED METHOD FOR MEASURING RISK-INTEGRATED RESILIENCE (RIR) INDEX IN FLOOD AFFECTED COMMUNITIES OF THE WEST RAPTI RIVER BASIN, NEPAL	Amrit Prasad Sharma	
								1411	Comparison of Flood Resilience Approaches in the Netherlands, the United States, and Japan and the Potential Best Practices	Calvin Kim	
								1424	COST-EFFECTIVENESS OF NATURE-BASED SOLUTION FOR FLOOD RISK REDUCTION: RIVERBANK EROSION COUNTERMEASURES	Firiana Hanifah	
								1467	A geo-adaptive machine learning model for flood mapping	Hongjie Yu	
								1419	PROJECT IFLOAT: MANILA WATER COMPANY'S FLOATING BAR SCREEN INITIATIVE FOR SUSTAINABLE FLOOD RESILIENCE IN METRO MANILA, PHILIPPINES	Riza Olga	
								1442	STUDYING STORM SURGE AND COASTAL INUNDATION DURING CYCLONE MOCHA (2023) USING IROMS MODEL	Vikram Pratap Singh	
42	25-Jun-2025	Wednesday	16:00	17:30	ROOM 4	Special Session 32	Surrogate techniques for monitoring sediment transport in fluvial and transitional systems	898	HYBRID CDS TECHNOLOGY WITH AI AND GREEN INFRASTRUCTURE FOR SUSTAINABLE URBAN STORMWATER MANAGEMENT	Yale Loo Wong	
								944	Performance Evaluation of Continuous Suspended Sediment Discharge Monitoring Using Acoustic Backscatter and Stage Integration in Lowland Area	Dongsu Kim	
								1292	CONCENTRATION OF SILT-CLAY SEDIMENT SUSPENSION IN THE DANUBE RIVER USING A DUAL-FREQUENCY ACOUSTIC METHOD	Flóra Pomázi	
								1376	Monitoring bedload transport under both hydropeaking and natural flood events by means of ADCP	Colin Rennie	
								585	Experimental study on bedload transport measurement using ADCP	Lu Wang	
								-	Bedload Estimation Using ADCP Data: Uncertainty Analysis and GUI Overview	Conevski Slaven	
								977	ASSESSING MORPHOLOGICAL CHANGES IN THE LÆRDAL RIVER: A COMPARATIVE STUDY USING GREEN LIDAR BATHYMETRY DATA	Christy Ushanth Navaratnam	
								87	RECREATIONAL-GRADE SONAR: DATA COLLECTION AND MANAGEMENT FOR RECONSTRUCTING THE BATHYMETRY OF LARGE RIVERS	Xin Yi Chong	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
43	25-Jun-2025	Wednesday	16:00	17:30	ROOM 7	Technical Session	A.2.2 Hydraulic Structures and Processes	1106	Image Preprocessing For Bubble Tracking Velocimetry In Highly Aerated Open Channel Flows	Abhishek Mondal	Amparo López Jiménez
								456	Functional Evaluation Of Traditional River Structure "Kutsuwa Domo" During Excess Floods	Ryuichi Hirakawa	
								672	Investigating The Effects Of Size And Overtopping Conditions On Dike Breach Evolution Through Medium-Scale Laboratory Experiments	Masoumeh Ebrahimi	
								911	Optimization Analysis Of Aerator Shape In Slight Slope Spillway Tunnels With Low Froude Number	Qin Yue	
								554	Hydrodynamic Impacts On Bridge Decks: A Comprehensive Literature Review	STEFANO PAGLIARA	
								909	Hydrodynamic Analysis Of Riverbed Scouring Around Low Weir Using Flow-3d	Siti Nurain Che Mohd Azmi	
44	25-Jun-2025	Wednesday	16:00	17:30	ROOM 8	Technical Session	A.3.5 Eco- and Environmental Hydraulics	1115	Importance Of Pool Area And Frequency For Aquatic Habitat In Streams	Rohan Benjankar	Abdolmajid Mohammadian
								1119	Numerical Experiments On The Effects Of Coastline Alteration On Circulation Patterns In Hakata Bay	Akihiro Hashimoto	
								522	The Blocking Effect Of Parallel Fringing Vegetation Arrays On Flow Structure Dynamics	Yuanheng Zhang	
								611	Response Patterns Of Hyporheic Exchange Flux And Extent Of A River To Tidal Action And Seasonal Change Of Hydrological Conditions	Jingwen Xing	
								1107	Investigation Of Hydraulic Performance Of Fish Passage In Run-Of-River Hydropower Projects In Nepal: A Case Study Of The Jhimruk Hydropower Project	Pawan Bhattacharai	
								97	Turbulence Characteristics In Low Velocity Zones For Upstream Fish Passage – Comparison Between Physical Modelling And Cfd Modelling	Hui Ling Wong	
45	25-Jun-2025	Wednesday	16:00	17:30	ROOM 9	Special Session 16	Flood hazard projections and adaptation strategies in low lying coastal areas	1321	CLIMATE CHANGE IMPACTS AND ADAPTATION STRATEGIES FOR COASTAL INFRASTRUCTURE, WATER AND WASTE MANAGEMENT FACILITIES	Sannasiraj Sannasi Annamalaisamy	
								1463	COMPREHENSIVE COASTAL PROTECTION COUNTERMEASURES OF JAKARTA BAY	Fahmi Shofi Aulia	
								1419	PROJECT FLOAT: MANILA WATER COMPANY'S FLOATING BAR SCREEN INITIATIVE FOR SUSTAINABLE FLOOD RESILIENCE IN METRO MANILA, PHILIPPINES	Riza Olga	
								1442	STUDYING STORM SURGE AND COASTAL INUNDATION DURING CYCLONE MOCHA (2023) USING IROMS MODEL	Vikram Pratap Singh	
								382	Theoretical foundations on surface detachment of floating plastics	Matthias Kramer	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
46	25-Jun-2025	Wednesday	16:00	17:30	ROOM 14	Special Session 33	Transport dynamics of plastic pollution in aquatic environments	323	Detachment of plastic particles from air-water interfaces	Felipe Condo	
								338	Development of a Lagrangian plastic transport model for applications in fluvial systems	Charuni Wickramarachchige	
								518	Exploring the Sensitivity of Microplastic Accumulation Zones in Rivers using Cloud-Based Particle Transport Modelling	Katelyn Kirby	
								913	Experimental Investigation into the Settling of Single and Multiple Microplastic Particles in Quiescent Water	Qiang Ma	
47	25-Jun-2025	Wednesday	16:00	17:30	ROOM 15	Special Session 21	Innovative Water Engineering for Sustainable Development in Latin America	-	Water Security: Information Systems in Support of Decision-Making. Pilot Case in the ITAIPU Biosphere Reserve Basin.	Daniel Vazquez Bado	
								109	ASSESSMENT AND MAPPING OF FLOOD SUSCEPTIBILITY USING GEOSPATIAL TECHNIQUES AND MACHINE LEARNING IN THE PERUVIAN TROPICAL ANDES.	Edwin Pino-Vargas	
								-	Itaipu hydrometry: measurements during floods of the Itaipu Iguazu River: case of the Hotel Cataratas Station	Elio Romero	
								645	OPTIMUM DESIGN OF PROTECTION DEVICES FOR TRANSIENT STATE IN WATER PUMPING SYSTEMS	Alexandre Kepler Soares	
								1143	PERFORMANCE OF A CAVITATION JET APPARATUS: SENSITIVITY ANALYSIS WITH ALUMINUM AND EROSION TESTING ON CONCRETE	José Gilberto Dalfré Filho	
								819	ANALYSIS OF INFLOW AND INCREMENTAL FLOW ANOMALY WITH THE ENSO INDEX ON PARANA BASIN	Luiz Henrique Maldonado	
146	25-Jun-2025	Wednesday	16:00	17:30	ROOM 11	Special Session #5	Session 1: Estuarine hydrodynamics and sediment dynamics	1573	Reservoir regulation has brought the Yellow River delta evolution under human control	Xiao Wu, Houjie Wang, Yoshiki Saito, Naishuang Bi and Zuosheng Yang	
								1529	Experimental Study on the Influence of Quasi-Flexible Vegetation Patches on Flow Structure	Lizhu Wang, Yan Li and Min Xu	
								1493	Bifurcation Instability Leads to Autogenic Behavior in Simple Channel Networks	Weilun Gao	
								1539	Impact of Tidal Bores on Bathymetric Evolution in A Macrotidal Estuary	K Srimathy and K Murali	
								1511	Tide-Mediated Morphodynamic Evolution of Bifurcated River Mouth Channels and Shoals in the Pearl River Estuary	Junjie Deng, Jingyu Hu, Yi Zhang and Jiaxue Wu	
								1505	Impacts of Exotic Saltmarsh Removal and Native Saltmarsh Restoration on Bed Level Change and Surficial Sediment Distribution in an Estuary Wetland	Yiming Wu, Zeng Zhou and Karin Bryan	
								1518	An SPH Model of Moving Porous Media with Infiltration	Coline de Sousa, Guillaume Oger, Julien Michel, David. Le Touzé and Damien Violeau	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
147	25-Jun-2025	Wednesday	16:00	17:30	ROOM 12	Special Session #6	Session 2: Biophysical interactions and biomorphodynamics Session 5: Sustainability of human-sea coupled coastal wetland systems	1550	Coastal Resilience: A Matter of Definition?	Ian Townend, Heyue Zhang, Zeng Zhou, Nicola Crockford and Giovanni Coco	
								1541	Local Scale Bioturbation Enhances Landscape Scale Multifunctionality at Fringing Marshes	Haobing Cao	
								1496	Sea-level rise versus salt marsh colonization: The adversarial game of self-organized elevation maintenance in tidal marsh	Wenhao Hou, Shuxiu Liang and Aiping Feng	
								1560	A Social-Economic Dynamic Model for Predicting Response to Flooding on Coastal Farm Land	Karin Bryan and Joshua Sargent	
								1584	Spatio-Temporal Impact of Microalgae on Sediment Grain Size Characteristics on Tidal Flats	Heyue Zhang	
								1502	Trade-offs between vegetation and sediment availability in shaping long-term tidal network morphodynamics	Yuxian Gu and Zeng Zhou	
								1509	Global patterns of upland loss in response to projected sea level rise in the 21st century	Hengbin Xiao and Yaping Chen	
48	25-Jun-2025	Wednesday	16:00	17:30	ROOM 13	Technical Session	A.3.9 Alternative Water Resources	562	Treated Wastewater As Alternative Water, Energy And Nutrient Source Made Possible With Anaerobic Process In High Rate Bioreactors	Maria Concetta Tomei	Chia-Ren CHU
							A.3.8 Cross-boundary Water Transfer	40	Prediction Of Water Level Rise Upstream Of Gate Closures In Large Open Channels	Wei Cui	
							A.3.8 Cross-boundary Water Transfer	48	Computational Fluid Dynamics (Cfd) Analysis On The Migration Characteristics Of Air Pockets In Long-Distance Pressurized Water Pipelines	Xiangpeng Mu	
							A.3.8 Cross-boundary Water Transfer	823	Hydrodynamic And Water Quality Simulation Of The Nansi Lake Basin Based On T-Ummm	Lingliang Lu	
							A.3.8 Cross-boundary Water Transfer	1008	Study On Water Drainage Processes In An Extra-Long Pressurized Water Delivery Tunnel	Chenxi Ouyang	
							A.3.6 Water Reclamation and Reuse	28	Understanding Urban Stormwater Toxicity On Microalgae: Implications For Reuse Safety	An Liu	
49	26-Jun-2025	Thursday	9:00	10:30	ROOM 2	Technical Session	A.2.3 Enhancements in Urban Drainage Systems	849	Simplified Models And Tools For Real-Time Control In Urban Run-Off Management Case Studies	Vittorio Di Federico	Corrado Gisonni
								184	Rain Gardens Performance Review In Hong Kong: A Case Study	Chuen King Kwok	
								1171	A Risk-Based Approach To Identify Vulnerability Hotspots In Urban Aquifers Under Minimum Data Requirements	Diego Novoa Vazquez	
								788	A Research Progress Review On Optimal Placement Of Iot Sensors In Urban Drainage Networks	Tianyu Guo	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								865	Adapting Urban Drainage Management Under Climate Change. Madrid Region Case Study	antonio lastra	
								881	Systematical Experimental Investigations Of Air-Water Interactions In Geysers	Yanqing Lu	
50	26-Jun-2025	Thursday	9:00	10:30	ROOM 3	Special Session 9	Debris and Driftwood Accumulation at Hydraulic Structures	-	Turbulence and Stability: what lies under plastic-debris accumulations?	Chit Yan Toe	
								644	IDENTIFYING BRIDGES SUSCEPTIBLE OF LARGE WOOD ACCUMULATIONS: A LESSON LEARNT FROM SATELLITE OBSERVATIONS	Diego Panici	
								1316	New insights into backwater rise induced by debris blockage at bridges	Alexandre de Becker	
								1224	A Matter Of Debris Composition: Analyzing Debris Accumulations At Bridges After The 2021 Flood	Lisa Burghardt	
								1262	LABORATORY EXPERIMENTS FOR DRIFTWOOD ACCUMULATION AT BRIDGE DECK IN NARROW CHANNEL	Francesco Ballio	
								-	Experimental and numerical modelling of debris accumulation and associated scour around bridge piers	Wenjun Zhang	
51	26-Jun-2025	Thursday	9:00	10:30	ROOM 4	Technical Session	A.2.4 Sediment Transport and Bathymetrical Changes Assessment	424	Experimental Study On The Influence Of Cohesive Sediment On Sediment Transport Capacity In The Middle Reaches Of The Yellow River	Qing Feng	Giovanni Coco
								932	Pattern Analysis Of Suspended-To-Total Sediment Load Fraction Using Umap	Hyoseob Noh	
								1090	What Do Numerical Flow Predictions Above Flat And Degraded Beds Reveal About Scour Holes Observed In Quasi-Equilibrium Bed Of T-Shaped, Lab-Scale Confluence ?	Tian Jin	
								406	Unlocking Climate Change Consequences: Insights From Decades Of Sediment Data In A Partially Glacier-Fed River System	Sabrina Schwarz	
								1131	Influence Of Water Content And Hydraulic Conditions On Fluvial Dike Breach Evolution And Patterns	Silvia Amaral	
								295	Assessing Eroded And Deposited Sediment Volumes After An Extreme Flooding Event	Tamara KuzmaniÄš	
								1111	Hydrodynamics And Sediment Redistribution Around Individual Submerged Flexible Vegetation	Hariom Gautam	
								-	Overview of challenges and opportunities in nature-based solutions for water management	Perrine Hamel	
								-	Plural values when measuring the success of nature-based solutions	Leah Bremer	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
52	26-Jun-2025	Thursday	8:45	10:15	ROOM 5	Special Session 25	Nature-based solutions for water security: Recent progress in Monitoring, Evaluation, and Reporting	-	Experiences in monitoring, reporting and verification in Southeast Asia	Kashif Shaad	
								-	Modelling of water resources management in Apac	Jair Smits	
								-	Monitoring and Assessing Krung Thep Benjakitti Forest Park NbS using a Mixed Methods Ecosystem Services Approach	Kim Irvine	
53	26-Jun-2025	Thursday	9:00	10:30	ROOM 7	Special Session 26	New Hydroinformatics Strategy and Application of Catchment Digital Twin	1264	MULTI-RESOLUTION RECONSTRUCTION OF LONGITUDINAL STREAMBED FOOTPRINTS USING EMBEDDED SPARSE CONVOLUTIONAL AUTOENCODERS	Yifan Yang	
								1413	STRATEGIC WETLAND PLACEMENT: A MULTIFUNCTIONAL APPROACH IN SWEDISH LANDSCAPES	Amir Rezvani	
								1431	Construction and practice of digital twin water conservancy model platform For Ministry of Water Resources, China	Ting He	
								-	Digital Twins: from dreams to reality	Philippe Gourbesville	
								-	Extreme Flooding Processes Simulation Combining Real-Time Satellite Monitoring with Hydrodynamic Modelling in Haihe River Basin	Kejian Zhang	
								-	The case of a digital twin developed in the Segura basin (Spain)	Carlos Ballesteros	
								1339	AN INNOVATIVE APPROACH OF IMAGE VELOCIMETRY BASED ON DEEP LEARNING ALGORITHM	Chenxi Liang	
								1341	A DIGITAL TWIN MODELLING STRATEGY OF BASIN FLOOD PREVENTION WITH INTEGRATED SIMULATION OF DISTRIBUTED HYDROLOGICAL AND HYDRODYNAMIC MODELS	Haowen Wang	
54	26-Jun-2025	Thursday	8:45	10:30	ROOM 8	Technical Session	A.2.6 Disaster Risk Reduction	708	Recorded Tsunami Evacuation Behaviour In Zushi City, Japan	Joseph Kim	Norio Tanaka
							A.2.6 Disaster Risk Reduction	1012	Assessing The Effectiveness Of Green And Grey Solutions For Flood Risk Reduction: A Comparison Of Damage-Based And Score-Based Approaches	Damien Sansen	
							A.2.6 Disaster Risk Reduction	259	Study On The Effects Of Different Drainage Measures For Construction Projects Under Extreme Rainstorm And External Flood Conditions	Hongwei Liu	
							A.2.6 Disaster Risk Reduction	889	Enhancing Flood Early Warning Dissemination And Evacuation Response Through Agent-Based Modelling	Nasrul Hakim bin Ghazali	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
							A.2.6 Disaster Risk Reduction	1064	Optimising Urban Flood Evacuation Routes With Metaheuristic Algorithms: A Case Study Of York, Uk	Chuannan Li	
							A.2.6 Disaster Risk Reduction	344	Comparative Study Of Various Typical Hydrological Models For Flash Flood Forecasting	Kejia WEN	
							B.1.2 Flood and Droughts Management	1489	The Use Of Adaptation Pathways To Develop And Implement Strategic Decisions On Integrated Flood Risk Management In Response To Climate Change	Louise Ellis	
55	26-Jun-2025	Thursday	9:00	10:30	ROOM 9	Special Session 12	Emerging Issues for Water Management in Remote Regions with Interplay of Climate Change Social, Economic, and Environmental Factors	1358	A SCIENCE-TO-POLICY CAPACITY DEVELOPMENT PROCESS FOR FLOOD PROTECTION	Elpida Kolokytha	
								1459	A holistic approach to enhance sustainability of remote rural community with smart rice terrace farming and nature-driven finance for climate resilient society	Daisuke Nohara	
								1321	Climate Change Impacts and Adaptation Strategies for Coastal Infrastructure, Water and Waste Management Facilities	Sannasiraj Annamalaisan	
								1386	Research on the Evaluation Index System and Application Practices of Green Small Hydropower	Chuanqi Ou	
56	26-Jun-2025	Thursday	8:45	10:15	ROOM 10	Technical Session	A.6.2 Hydrological Measurements (Flow, Groundwater, Precipitation, etc.)	503	Innovative Camera-Based Measurement Of Discharge, Rainfall And Turbidity In Open Channels And Rivers	Issa Hansen	Asaad Shamseldin
								523	Application Of A Simple Geometric Correction Method For River-Discharge Measurement With Image Analysis	Kosuke Kawagishi	
								1235	Improving Radar-Derived Precipitation Forecasts Using Ground-Based Station Data And Machine Learning	Payam Heidarian	
								733	Erosivity Factor For Rill Erosion With Herbaceous Cover On Disturbed Steep Slopes	Seung Sook Shin	
								342	Application Of Integral Length Scale And Convolutional Neural Networks In Hydrological Measurement	Yen Cheng Lin	
								127	Research On Index Velocity Method Using Surface Velocity Profiles Measured By Multi-Line Non-Contact Velocimetry	YOUNGSIN ROH	
57	26-Jun-2025	Thursday	9:00	10:30	ROOM 15	Technical Session	A.5.1 Artificial Intelligence (AI) Tools for Analysis and Decision Support under Certainties	1053	Tidal Phase-Based Characterization Of Water Quality In Coastal Areas Using Deep Learning Algorithms And Hydrodynamics Modeling, Case Study: Swansea Bay, United Kingdom	Man Yue Lam	Ruo-Qian Wang
								104	Sensei Software Package For Smart Management Of Water Networks	Carlos PeÃ±as BernabÃ©u	
								946	Analysis Of The Relationship Between Meteorological Fields And Linear Rainfall Bands In The Western Chugoku Region Of Japan Using Self-Organizing Map	Yuma Hironaka	
								588	Cross-Plane Prediction Via Convolutional Neural Network (Cnn) Model For Early Biofouling Detection In Swro Desalination Plant	Henry J. Tanudjaja	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								187	Optimization Of Miss Concentration In Biological Reactors Of Wastewater Treatment Plants Utilizing An Lstm Model	LEE SONGEUN	
								1057	StudyingThe Causality Of The Key Variables InfluencingThe Fecal Indicator Organsims	Man Yue Lam	
149	26-Jun-2025	Thursday	9:00	10:30	ROOM 11	Special Session	Session 3: Blue carbon in tidally dominated environments	1500	Disturbance of Spartina alterniflora Control on the Carbon Pools in the Northernmost Mangroves of China	Yining Chen and Jiaqi Wu	
								1585	Interplay Between Saltmarsh Carbon Burial and Lateral Exchange in Coastal Wetlands: The Role of Biomorphodynamic Feedback	Yuhan Wang, Zeng Zhou, Junji Yuan, Aijun Wang, Huan Li, Luzhen Chen, Karin Bryan and Simon Mudd	
								1534	Legacy of aquaculture on soil carbon fluxes of restored mangrove forests	Minxian Luo and Yaping Chen	
								1545	Tidal effects on blue carbon cycling in coastal saltmarsh wetlands	Ying Huang, Yebing Xie and Jianwu Tang	
								1583	Machine learning for predicting marine shallow gas emission under hydrodynamics	Cong Hu, Yanyun Xing and Yonggang Jia	
								1504	Influence of typhoons on carbon accumulation in coastal saltmarshes and mudflats: a case study from Hangzhou Bay	Zhang Ziyen, Chen Yining and Xia Xiaoming	
150	26-Jun-2025	Thursday	9:00	10:30	ROOM 12	Special Session	Session 6: Technological advances and nature-based solutions	1565	Study on Characteristics and Forecasting of Submesoscale Eddies in The Northern South China Sea	Lei Ren, Wei Jun, Zhenchang Zhu and Michael Hartnett	
								1495	Extraction of patches and stripes in saltmarsh wetlands using deep neural networks	Zichao Guo, Zeng Zhou, Fernando Javier Mendez Incera, Xu Fan and Yanyan Kang	
								1520	Classifying New Zealand Estuaries Using New Satellite-Derived Optical Indicators	Zhanchao Shao, Karin Bryan, Dana Clark and Conrad Pilditch	
								1542	Evaluating the Effectiveness of Nature-Based Solutions in Mitigating Tropical Cyclone-Induced Coastal Flooding	Beatriz Pérez Díaz, Pablo Alonso-Alguacil, Borja González-Reguero, Fernando Javier Mendez Incera, Sonia Castanedo, Alba Ricondo and Laura Cagigal Gil	
								1519	Beach Terrain Inversion Based On Multi-Source Data Fusion	Zhuocheng Liu, Lianqiang Shi, Junli Guo, Wenliang Zhang and Qinghua Ye	
								1503	Are exotic saltmarsh species better than native species for coastal protection?	Bing Liu and Yining Chen	
							A.6.3 Water Quality Sampling and Analysis	218	Effects Of Ice Breakup On Water Quality In The North Saskatchewan River, Canada	Xiaoyu Zhang	Dongdong Shao
							A.6.3 Water Quality Sampling and Analysis	399	Empirical Comparison Of Water Column Plastic Sampling Methods	Stephanie Batistim Oswald	
							A.6.3 Water Quality Sampling and Analysis	966	Exploration Of The Dissolved Inorganic Carbon Dynamics In Deep And Large Reservoirs With Different Regulation Types	Dan Zhang	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
58	26-Jun-2025	Thursday	8:45	10:30	ROOM 14	Technical Session	A.6.3 Water Quality Sampling and Analysis	538	Bioremediation Of Emerging Contaminants Using Algal Bacterial Consortium	UBHAT ALI	
							A.6.4 Aquatic Ecology and Biological Surveys	1034	Habitat Change Analysis Of Fish Community To Building Block Methodology Mimicking Natural Flow Regime Patterns In Nakdong River In South Korea	Wensi Zhang	
							B.1.7 Other Related Topics	740	Metagenomic Insights Into Microbial Adaptations To Climate Warming In The Yellow River Of China	Jie Gao	
							B.2.7 Other Related Topics	1369	Development Of Floating Treatment Wetland For Purifying The Water In Coal Mining Subsidence Area	Jie Gao	
59	26-Jun-2025	Thursday	9:00	12:30	ROOM 13	Special Session 5	Advances on the study of vegetation in a variety of settings	-	Overview of current research landscape on vegetated flows	Heidi Nepf	
								-	Flow-vegetation-sediment interaction and the performance of the linear superposition principle to determine bed shear stress	Jochen Aberle	
								-	Modelling wave decay by submerged vegetation: How to account for mutual flow-vegetation interactions?	Davide Vettori	
								-	Turbulence within and around mangrove pneumatophores: Predictions, patchiness, and persistence	Julia Mullarney	
60	26-Jun-2025	Thursday	8:45	10:15	ROOM 16	Technical Session	A.2.2 Hydraulic Structures and Processes	679	Introduction To The Effect Of Flow Under Vertical Angled Baffle Walls On Bedload Transport	Tino Kostic	Claudia Adduce
								693	Repeatability In Human Body-Structure Interactions In Experiments To Assess Hazards To Public Safety For A Low Head Dam Retrofit	Hayden Reitenbach	
								746	The Use Of Artificial Vegetation As A Replacement For Natural Vegetation In Air-Water Flow Modeling	Anne Mozer	
								930	Reynolds Number Effects On Turbulence Characteristics Of Hydraulic Jumps With Undeveloped Inflow Conditions	Ryugen Satoh	
								916	Corrugated Rough Aprons As A Countermeasure Against Local Scour Downstream Of Submerged Wall Jets With Shallow Tailwater Depths	Pramit De	
								267	Flow-Induced Vibrations At Water-Filled Rubber Gates - On-Site Measurement And Analysis	Michael Gebhardt	
61	26-Jun-2025	Thursday	9:00	10:30	ROOM 17	Technical Session	A.5.4 Computational Methods for Coastal	114	Adjoint Data Assimilation For Tidal Stream Energy Modelling Optimisation	Connor Jordan	Pearl Li
								86	Numerical Study On The Effect Of Baffle Quantity On Sloshing Reduction In A Rectangular Tank	Deping Cao	
								136	Vortex Scouring Process Around A Vertical Pile Varying Shapes And Flow Regimes	Abdelkader Hammouti	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
							Processes (Waves, Currents, etc.)	822	Investigating Wave Propagation Over An Offshore Breakwater: Experimental Results And Numerical Approach With Shallow Water Modeling	Bobby Minola Ginting	
								103	Wave-Induced Seabed Liquefaction: Numerical Simulation And Analysis	Zhengxie Zhang	
								1232	Monte Carlo Simulation For Projection Of Extreme Wind Speed Increase Due To Climate Change	Ngai Fung WONG	
62	26-Jun-2025	Thursday	11:00	12:30	ROOM 2	Special Session 34	Trends and Variations in Hydroclimatic Variables: Links to Climate Variability and Change	165	Mekong River Flow and Hydrological Extremes: Climate Change, Dam, and Reservoir Impacts	Sameh Kantoush	
								1332	Climate and Water Discharge Patterns of the Cidanau River in Indonesia	Budi Indra Setiawan	
								1319	Copula-based Analysis of Extreme Compound Flooding Events in Peninsular India (1980-2023)	Vikas Poonia	
								292	Aspects Amplified the Recent Extreme Flood Event in Dubai	Hadir Abdelmoneim	
63	26-Jun-2025	Thursday	11:00	12:30	ROOM 3	Technical Session	A.2.5 Forecasting and Warning	331	Flood Forecasting Using Process- And Data-Driven Approaches	Indiana Olbert	Roberto Ranzi
								128	Study Of Rainfall-Melting Snow Runoff Forecasting Throughout The Year Using Open Data Available In Japan	Yoko Hirasawa	
								482	Connecting The Level Of Detail In Spatial Discretization Of A Watershed With Peak Flow Predictions In A Distributed Model	Simon Martinez Rendon	
								237	Refraction Behavior Analysis Of Tsunamis Originating From The Northern Offshore Region Of Noto Peninsula, Japan	Konosuke Nagao	
								348	Study On Runoff Simulation With Multi-Source Precipitation Information Fusion Based On Multi-Model Ensemble	Runxi Li	
								1060	Development Of A Hysteretic Diagnostics For Classifying Sequential Development Of Flood Wave Types In A Single Flood Event	Ikhan Lee	
								508	LEVERAGING URBAN DIGITAL TWINS FOR ENHANCED FLOOD RISK MANAGEMENT AND DECISION-MAKING IN SMART CITIES	Lars Backhaus	
								812	INTEGRATION OF HIGH-RESOLUTION PHYSICAL FLOOD SIMULATIONS WITH MACHINE LEARNING FOR URBAN FLOOD PREDICTION	Ryosuke Akoh	
								1347	IDENTIFYING CRITICAL AREAS FOR RUNOFF MITIGATION IN SLOPED URBAN ENVIRONMENTS	Antoine Passaquin	
								1378	Sponge city concept tailored to sloping urban areas	Maële Belmont	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
64	26-Jun-2025	Thursday	11:00	12:30	ROOM 4	Special Session 20	Innovative Approaches to Urban Resilience: Addressing Flood Risks and Climate Adaptation	613	AHP-BASED PRIORITIZATION OF FLOOD RISK MITIGATION MEASURES: AN APPLICATION IN THE VENETO REGION (ITALY)	Tommaso Lazzarin	
								109	ASSESSMENT AND MAPPING OF FLOOD SUSCEPTIBILITY USING GEOSPATIAL TECHNIQUES AND MACHINE LEARNING IN THE PERUVIAN TROPICAL ANDES	Del Piero R. Arana-Ruedas	
								92	THE APPLICATION OF ARTIFICIAL INTELLIGENCE MODELS IN FLOOD DYNAMICS SIMULATION	Song-Yue Yang	
								1088	FLOOD RISK ASSESSMENT FOR TRANSPORTATION NETWORKS TO ENHANCE RESILIENCE AND EMERGENCY PREPAREDNESS	Natasha Petruccelli	
								322	MULTI-MODEL DEEP LEARNING ENSEMBLE FOR FLOOD EVENT AND PROBABILITY PREDICTION	Kyung Soo JUN	
								1245	FLOODS IN CITIES: NEW INSIGHTS FOR INTEGRATING PLUVIAL FLOODING INTO FLOOD RISK MANAGEMENT PLANS	Gianfranco Becciu	
65	26-Jun-2025	Thursday	10:45	12:30	ROOM 5	Technical Session	A.3.2 River Engineering and Management	689	Experimental Quantification Of Hydrodynamic Effects On The Root Development Of Plant Cutting	Yahel Eliyahu Yakir	Deping Cao
								378	Development Of A Parameterization Tool To Create Generic Rivers For Hydraulic Simulations Of Run-Of-River Pumped Storage Hydropower	Kanchan Shrestha	
								935	Balancing Adaptation And Mitigation Of Vegetation Cutting In River Channels In A Class 1 Water System	TAKAYA KANEKO	
								958	Impacts Of Xiangjiaba Reservoir Outflow Of The Navigation Benefit Of Upper Yangtze River	Shiyu Zhang	
								458	Depth-Averaged Turbulence Modelling Controls On Fine Sediment Deposition In Compound Channel	David Vetsch	
								731	Hydro-Morphodynamic Characteristics Of A Mining Pit Near A Channel Confluence	Ravi Kumar Mishra	
								477	Modelling Of Phosphorus Transport In Rivers With Cascade Low-Head Movable Weirs	Yufang Ni	
66	26-Jun-2025	Thursday	11:00	12:30	ROOM 7	Technical Session	A.2.1 Coastal Processes and Hazards	1127	Tsunami-Like Flow Interaction With The Vertical Seawall Under Overtopping Conditions Using Openfoam	Harish Selvam	Hitoshi Tanaka
								167	Characterizing Compound Flood Risk From River Discharge, Precipitation, And Storm Surge In The Chao Phraya River Delta	WEI JIAN	
								\	A Semi-Automatic Compound Flood Modelling Chain-A Case Study In New Zealand During Ex-Tropical Cyclone Gabrielle	Zhonghou Xu	
								1085	Contrasting Physical And Cfd Simulations In Estuarine Natural Cavities	Rita Carvalho	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								1446	Fine Characterization Of Wind Drag Force In Shallow Lakes Based On The Wind-Wave-Flow Mutual Feedback Model	GAO ANG	
								478	Development Of Multipurpose Harbour In Weligama Bay, Sri Lanka	D P C LAKNATH	
67	26-Jun-2025	Thursday	11:00	12:30	ROOM 8	Technical Session	B.2.4 Nature-based Solutions for Coastal and Estuarine Waters	232	Wave Attenuation By Submerged Vegetation Under Orthogonal Wave-Current Conditions	Zichen Xu	Catherine Wilson
								255	Integrated Approach For Coral Reef Conservation And Rehabilitation In The Philippines	Hiroyuki Takasuna	
								561	The Influence Of Shoot Distribution On Wave Attenuation And Local Hydrodynamics Of Seagrass Meadows	Xihang Xu	
								326	Local Stakeholder Engagement In Sustainable Management Of Marine Habitats Using Satellite Technology - An Example From Malaysia	Malinda Auluck	
								752	Investigation Of Wave Attenuation Over Mangroves In Singapore	Emily Thong	
								1002	UNESCO WATER SCIENCE - 50TH ANNIVERSARY OF THE INTERGOVERNMENTAL HYDROLOGICAL PROGRAMME IHP AND 60 YEARS OF WATER SCIENCES AT UNESCO	Helmut Habersack	
68	26-Jun-2025	Thursday	11:00	12:30	ROOM 9	Special Session 8	Dam Safety: Addressing modern challenges and future risk	481	Assessing the Risk of Sequential Dam Breaks: A Case Study of Tuirial Dam	Dhyan Singh Arya	
								634	Experimental Study on Hydraulic Characteristics of Dam-Break Floods Encountering Earthquake-Damaged Arch Dam	Liyuan Zhang	
								107	Comparison Of Machine Learning Techniques and Empirical Formulas for the Prediction of the Discharge through a Fluvial Dike Breach	Vincent Schmitz	
								1301	Seismic Hazard Assessment of Sirmour District, Himachal Pradesh, India	Mukat Lal Sharma	
								1300	Impact of Declustering on Seismicity Parameters: A Case Study of Purvanchal Region of Uttar Pradesh, India	Ravindra Kumar Gupta	
								1392	Hydro-Suction: A Sustainable Solution for Reservoir Sedimentation Management	Zulfequar Ahmad	
								-	Spanish projects that represent significant progress in dam safety	Rubén Castilla	
								536	Reproducing Suspended Sediment Transport In Half-Channel Vegetated Flow Using 2d Horizontal Eddy Viscosity Models	Jiaqi Liu	
								779	Construction And Validation Of A Fully Integrated Unsaturated-Saturated Solute Transport Model	Zhibo Zhang	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
69	26-Jun-2025	Thursday	10:45	12:30	ROOM 10	Technical Session	A.5.3 Computational Methods for Hydraulic and Water Quality Modelling	774	Integrated Air And Water Phase Modelling Of Hydrogen Sulphide Tranport In Sewer Systems	Line Karin Mortensen	Takashi Asaeda
								1218	Modelling The Spatiotemporal Transport And Fate Of Microplastics In Tropical Coastal Waters	Felix Gaffu Tandadjaja	
								1162	Non-Velocity-Based Technique For Discharge And Roughness Estimation In Steady Flow	Behnam Balouchi	
								531	Experimental And Numerical Study Of Free Surface Elevations And Surface Velocities In A-T-Shaped, Lab-Scale Confluence Flow	Alemu Tezera Dessie	
								1108	A New Optimization Model Of Reservoir Operation Considering Ensemble Streamflow Forecast Uncertainty: Integration Of Robust Optimization Concept And Karhunen-Loeve Expansion Method	Duan Chen	
70	26-Jun-2025	Thursday	11:00	12:30	ROOM 14	Technical Session	A.2.2 Hydraulic Structures and Processes	863	The Brisk Project: A Comprehensive Approach To Bridge Scour Risk In The Face Of Climate Change	Ana Margarida Bento	S. Samuel Li
								874	Numerical Investigation Of Blockage Effects Of The Spur Dike Field Under Tidal Bore Interactions Using Openfoam	Nandhini Duraimurugan	
								900	Low-Impact Weirs Contributing To Sustainable Development Goals	James Zulfan	
								636	Effects Of A Channel Bend On The Supercritical Flow Characteristics And Sediment Movements Leading To Nonuniform Invert Abrasion	Subhojit Kadia	
								1055	Mean Flow And Turbulence Around A Single Submerged Spur Dike In A Trapezoidal Channel	Abhimanyu Prasad Tripathi	
							A.6.10 Other Related Topics	330	Effects Of Various Boundary Conditions On Hydraulic Bore Running Up An Open Channel	Kanta Sugjura	
71	26-Jun-2025	Thursday	10:45	12:30	ROOM 15	Technical Session	A.5.6 Hydroinformatics and Big Data Analytics	71	Hydroinformatics Technologies For Supporting Urban Drainage Planning, Maintenance, Flood Response And Reservoir Operations In Singapore	Wing Ken Yau	Huan-Feng Duan
								357	Characterization Of Acoustic Signals Collected From A Smart Water Network For Leak Detection	Wei Zeng	
								956	Yr-Wic: A Water-Intelligence-Computing Driven Approach For Sustainable Development Of The Yellow River	Yan Tang	
								1160	Study Of The Classification Potential Of Inflows In Water Distribution Networks Within The Visibility Domain	Orazio Giustolisi	
								1295	Transient Wave-Based Data Assimilation For Leak Localization In Single Water Pipes	Qluru Chen	
								570	How Well Do The Gridded Rainfall Datasets Reproduce The Indian Summer Monsoon Rainfall Events? A Country Wide And Regional Suitability Assessment	Priyank Sharma	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
72	45834	Thursday	11:00	12:30	ROOM 11	Special Session 10	Earth Observation to monitor land and water ecosystems	404	HYPERSPECTRAL ANALYSIS AND THEORETICAL MODELING OF SURFACE WATER COLOR FOR SUSPENDED SEDIMENT CHARACTERIZATION	Ruo-Qian Wang	
								238	MULTISOURCE SATELLITE DATA INTEGRATION FOR EFFECTIVE WATER TEMPERATURE MONITORING	Matteo Redana	
								-	Earth Observation-Based Assessment of Short-Duration Rainstorms: Uncovering Spatiotemporal Patterns in Shanghai	Jiayan Xu	
								1364	TURBIDITY EFFECTS ON UAS-BASED UNDERWATER BATHYMETRY RECONSTRUCTION IN A TRAPEZOIDAL CHANNEL	Moritz Roth	
								1477	EVALUATING PERFORMANCE OF SMAP AND AMSR-2 SOIL MOISTURE RETRIEVALS OVER TROPICAL AGRICULTURAL REGION	Akash Atnurkar	
								1483	Comparison of remote sensing datasets for flood retention basin design	Gordon Gilja	
								-	Next generation flood measurement systems: Stereoscopic camera stations; UAVs with RTK GPS; towed depth sounder systems; and aerial Ground Penetrating Radar (GPR)	Hamish Biggs	
152	26-Jun-2025	Thursday	11:00	12:30	ROOM 12	Special Session	Session 6: Technological advances and nature-based solutions	-	Wrap-up and presentation of Remote Sensing WG	Michael Nones	
								1543	Using oyster reefs to control erosion and deposition: Laboratory experiments across scales	Rafael Tinoco, Salman Alkhidhr, Kamil Czaplinski, Jacopo Composta, Limin Sun, Luca Martinelli, William Nardin and Alberto Canestrelli	
								1538	Addressing the Integration Challenges in Ecological Environment Assessment and Water Body Research: Overcoming Limitations in Vertical Distribution, Layer Stratification, and Tool Integration	Manjie Li and WeiBo Zhong	
								1582	Cost-Effectiveness of Nature-Based Solution for Flood Risk Reduction: Riverbank Erosion Countermeasures	Firlana Hanifah, Qisthina Dewi and Hendra Ramdhani	
								1514	China's intertidal mollusc aquaculture sustains an endangered shorebird flyway	Hebo Peng and Zhenchang Zhu	
73	26-Jun-2025	Thursday	11:00	12:30	ROOM 13	Special Session 5	Advances on the study of vegetation in a variety of settings	1581	Experimental investigation on wave attenuation of oyster castles in optimized layout based on Bragg resonance	Wei Xu, Jun Fan, Jianhao Liu, Chao Wu, Yuzhu Li and Aifeng Tao	
								-	Bedload sediment transport in vegetated channels	Chao Liu	
								-	Flow-vegetation interactions across natural and managed aquatic landscapes: an ecosystem perspective	Loreta Cornacchia	
								-	Flow vegetation interactions - Field measurements with stereoscopic Particle Image Velocimetry (PIV)	Hamish Biggs	
								-	Flow surface characteristics and flow resistance of different grass species and artificial grass	Hanwen Cui	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								-	Effects of vegetation in channel morphodynamics	Florian Cordier	
74	45834	Thursday	10:45	12:30	ROOM 16	Technical Session	A.6.1 Advanced Experimental Techniques	381	Flow-Induced Steady Deformations Of Hyperelastic Geomembranes	Giovanni De Cesare	Adrian Lai
								299	Evaluating Breakwater Damage Progression: Experimental And Theoretical Insights	Ana Cristina Santos Mendonça	
								917	Hydraulic Model Test On The Criteria For Channel Divergence In Multiple Bars Regime	Haruki WATABE	
								969	Turbulence Induced Free-Surface Fluctuations In Open-Channel Flow	Stuart Cameron	
								862	Viscosity Effects On Aeration Efficiency In Plunging Jets	Maggie Ntombifuthi Bingo	
								200	Ingesting Acoustic Doppler Current Profilers (Adcp) Data Into Acoustic Mapping Velocimetry (Amv)	Gabor Fleit	
							A.3.11 Other Related Topics	1249	Synergistic Removal Of Perfluorooctanoic Acid And Nitrogen In An Anammox Biofilter: Performance And Interaction	Xiaojing Zhang	
75	45834	Thursday	11:00	12:30	ROOM 17	Technical Session	A.4.1 Reservoir Renewable Energy Systems (Hydropower, Floating Solar, etc)	419	Managing Total Dissolved Gas Supersaturation In Norwegian Hydropower Systems	Wolf Ludwig Kuhn	Lloyd Chua
								1322	Ecological Effects Of Innovative And Conventional Hydropower Plants – Results From 10 Years Of Research	Juergen Geist	
								687	A New Profile For The Nozzle Of Cross-Flow Turbines In Real Operating Conditions	Tullio Tucciarelli	
								642	Physics-Informed Neural Network For Stability Analysis Of Hydropower Generating Systems	Weichao Ma	
								466	A Generational Opportunity: Fishsafe Turbines For Sustainable Hydropower	Abraham Schneider	
								489	Typhoon-Induced Wave Analysis And Structural Performance Evaluation Of Floating Photovoltaic Systems In Hong Kong - A Case Study	Chi Chung So	
76	45834	Thursday	13:30	15:00	ROOM 1	Technical Session	A.2.4 Sediment Transport and Bathymetrical	1202	Numerical Investigation For Changing Processes Of Riverbed Variation And Surface Grain Size In A River Channel During A Large Flood	Takashi Wada	Ramesh Teendavarani
								1047	Vertical Sorting In Intense Transport Of Bimodal Contact Load: Measured Distributions In Collisional Layer And Effects On Bed Friction And Flow Condition	Vaclav Matousek	
								467	Numerical Study Of Sediment Budget In The Noakhali Islands Area Of The Meghna Estuary	RAHMAN MD SHAHINUR	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
76	45834	Wednesday	14:00	15:00	ROOM 1	Technical Session	Changes Assessment	604	Unresolved Cfd – Dem Simulation Of Embankment Failure Due To Overtopping And Seepage Flow	Daisuke KOBAYASHI	Namson Teodoropulo
								346	Stabilization Of Sediment Deficit Bays: An Example From Unawatuna Bay, Sri Lanka	Sanjeeva Wickramaratne	
								424	Experimental Study On The Influence Of Cohesive Sediment On Sediment Transport Capacity In The Middle Reaches Of The Yellow River	Qing Feng	
77	45834	Thursday	13:30	15:00	ROOM 2	Technical Session	A.1.1 - A.1.6	833	Similarity Solutions For Axisymmetric Gravity-Driven Forchheimer Flow In Porous Media	Vittorio Di Federico	Zeng Zhou
								1239	Analysis Of The Spatial And Temporal Dynamics Of Exceptional Precipitation In Portugal: An Innovative Approach	Luis Angel Espinosa Villalpando	
								1303	Impacts Of Climate Change On Natural Runoff In The Yellow River Basin Of China During 1961–2020	Yiqi Yan	
								220	Harnessing Advanced Technologies To Optimize Industrial Water Footprint Reduction	Jimmy Yu	
								1037	Lifecycle Assessment As Applied To Full-Scale Wastewater Treatment Infrastructure	Sailaja Poudel	
								349	Evaluating The Impact Of El Niño And Climate Change On Water Surface Availability Using Soil Moisture Accounting	Kristopher Lloyd Furio	
78	45834	Thursday	13:30	15:00	ROOM 3	Special Session 31	Socio-economic challenges in Asia: future roles of urban water network modelling and optimization	1359	Multi-Phase Planning of Water Infrastructure in Response to Future Population Decline	Donghwi Jung	
								1497	24/7 CLOUD-HOSTED SOLUTION EVALUATION FOR ANOMALY DETECTION AND LOCALIZATION IN SINGAPORE'S WATER DISTRIBUTION NETWORKS	Alvin Wei Ze Chew	
								1416	EFFICIENT AND EQUITABLE OPERATION OF WATER DISTRIBUTION NETWORKS	Sridharakumar Narasimhan	
								1498	OPTIMIZING PRESSURE SENSOR PLACEMENT IN SMART WATER GRIDS	Ashley Zhang	
								1352	Development of network structural improvement to cope with depopulation in rural areas for optimal water distribution system operation	Young Hwan Choi	
								1400	SMART WATER DISTRIBUTION SYSTEMS FOR LEAK DETECTION: THEIR BENEFITS AND FUTURE CHALLENGES	Sanghoon Jun	
								1331	Flood Damage Estimation in South Korea using Global Flood Model's Results	Chaerin Lee	
								-	Needs and added values of new technologies for flash floods management	Philippe Gourbesville	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
79	45834	Thursday	13:30	15:00	ROOM 4	Special Session 4	Advanced technologies applied for Flash Flood Defence and Management	-	Multi-Stage Progressive Flash Flood Monitoring, Forecasting and Early Warning: China's Practices and Achievements	Ronghua Liu	
								617	Risk Assessment of Flash Flood Disasters Using a Coupled Random Forest-Feature Selection Algorithm	Xiaolei Zhang	
								-	Present and Anticipated Future Flash Flood Study in Greater Jakarta, Indonesia	Shie-Yui Liong	
								1388	Mechanism analysis of flash flood disaster, application of "6-19" Lijiang flood, Guangxi, China	Xiaohan Ju	
								1350	A MODELLING-BASED CATCHMENT FLOOD MANAGEMENT: APPLICATION OF "23-7" CATASTROPHIC FLOOD IN ZIYA RIVER	Fangrui Dong	
								1360	A framework of river network routing modeling coupled water and energy balance	Rui Qian	
								1419	PROJECT IFLOAT: MANILA WATER COMPANY'S FLOATING BAR SCREEN INITIATIVE FOR SUSTAINABLE FLOOD RESILIENCE IN METRO MANILA, PHILIPPINES	Christian Quintos	
80	45834	Thursday	13:30	15:00	ROOM 5	Technical Session	A.3.1 Water Resources Management	-	Flood floods disaster in Japan	Daisuke Nohara	Tae-Woong Kim
								173	Evolution Of Sewer Planning In Singapore: From Excel To Hydraulic Modelling	Tamilarresan Ravichanthiran	
								754	Increasing Pressure Between Water Supply And Power Production Over Regional Water Resources In Heavy Snowfall Basin Under Changing Climate	Daisuke Nohara	
								129	Research On Brackish Water Resources Allocation For Crop Irrigation Safety	TING WANG	
								801	Evaluating The Risk Of Microplastic Contamination Of Water Resources: Case Of Mfoundi Subbasin-Cameroon	Desmond Ndre Shiwomeh	
								502	Evaluation Of The Water Conservation Function Of The Hanjiang River Basin (China) Based On The Invest Model	Yiwei Guo	
81	45834	Thursday	13:30	15:00	ROOM 7	Technical Session	B.1.2 Flood and Droughts Management	53	Peak Flow Attenuation And Open Water Regulation Effects Along The Lower Peace River, Canada	Faizal Yusuf	YUANSHENG QIN
								786	Decomposing The Uncertainty Cascade In Projections Of Compound Hot-Dry Events	Parisa Hosseinzadehtalaei	
								979	Development And Application Of An Urban Flood Risk Index	Markus Eder	
								559	Typhoon Characteristics And Their Influence On Drought Conditions In Taiwan	Yuei-An Liou	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
81	45834	Thursday	13:30	15:00	ROOM 7	Technical Session	B.1.2.3 Flood and Drought Risk Management	1219	Peru Reconstruction Project – A National Climate Change Adaptation Programme: Leaving A Legacy	Chris Hughes	Perrine Hamel
								697	Drought Risk Management In Climate Change Scenarios, Through The Development Of A Vulnerability Index, Case Study: Morelia City, Michoacán Mexico.	Angel Flores	
								976	Exploring The Joint Behaviour Of Flood Characteristics In Semi-Arid Rivers	Achala Singh	
82	45834	Thursday	13:30	15:00	ROOM 8	Technical Session	B.2.3 Nature-based Solutions for Large Rivers	1021	Nature Based Solutions In Danube4all - Restoration Of The Danube River Basin Waters For Ecosystem And People From Mountains To Coast	Ellis Penning	Perrine Hamel
								750	Construction Of River Barriers In The Jinsha River Basin: Evaluating Development Benefits And Threats To River Connectivity	Lei Huang	
								234	Design Principles And Multifunctionality Of Flood Resilient Landscapes	Borjana Bogatinoska	
								987	The Spatiotemporal Distribution Characteristics Of Biological Bait Sources In Riparian Zones And The Quantity Estimation Transported Into Rivers	Xiangdong Pan	
								1198	Mainstreaming And Upscaling Nature Based Solutions In Northwest Europe: Experiences From Small And Large Scale Pilots	Stanford Wilson	
								564	Technology And Innovation For Enabling Pre-Feasibility Assessments In Watershed Investment Programs Using Waterproof	Carlos Andres Rogeliz Prada	
83	45834	Thursday	13:30	15:00	ROOM 9	Technical Session	A.5.5 Data-Driven Methods and Machine Learning Techniques	509	Using Machine Learning To Discriminate Different Types Of Particle Jumps In Dns Of Sediment Transport	Ricardo Rebel	Victor Wang
								334	Enhanced Prediction Of Groundwater Quality Index Using Machine Learning Algorithms	Tahmida Naher Chowdhury	
								766	Study On How Shapes And Distributions Of Synthetic Rainfall As Training Data Affect The Accuracy Of Random Forest Model Augmented With Hydrodynamic Model	Kexin Liu	
								667	Laboratory Channel Widening Simulation And Prediction Considering Soil Type, Upslope Inflow And Slope Gradient	CHAO QIN	
								185	Prediction Of Water Level And Quality Changes In The Yeongsan River, Korea Using An Lstm-Based Deep Learning Model	Hyeji Han	
84	45834	Thursday	13:30	15:00	ROOM 10	Special Session 7	Current Research in coastal protection and flood resilience conducted in CFI Singapore	-	Ocean wave Climatology and Renewable Energy Potential in the Southeast Asian Seas based on 45-Years Wave Modelling	Xingkun Xu	
								-	Fingerprints Discovering of Extreme Coastal Water Levels in Singapore Strait	Qin Jiang	
								-	Interaction of Tidal, Monsoonal, And ENSO Influences on Sea Level Variability in the Singapore Strait	Sumit Dandapat	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								-	Impact of Seepage Flows on Tsunami-Induced Sediment Transport and Scour	Zhengyu Hu	
								-	How does Mangrove Root Architecture Influence Flow and Turbulence	Luoning Zhang	
85	45834	Thursday	13:30	15:00	ROOM 14	Special Session 2	Adaptive management of riparian vegetation in the era of climate change	571	Experimental study on the spatial traits of sedimentation driven by discontinuous nearshore vegetation patches	Liu Yang	
								1294	SPATIAL DISTRIBUTION OF WOODY VEGETATION IN MAJOR RIVERS OF SOUTH KOREA	Seonggi An	
								1298	Simulating channel morphology and riparian vegetation dynamics : Integrating precipitation and temperature effects on germination and growth	Hun Choi	
								1323	THE MECHANISM OF RIPARIAN VEGETATION SPECIES' COLONIZATION AT SPECIES SPECIFIC ELEVATION	Takashi Asaeda	
								1348	EXPERIMENTAL STUDY ON SEDIMENT DEPOSITION ON MIDDLE FLOOD CHANNEL UNDER DIFFERENT VEGETATION HEIGHTS AND SURFACE EDDIES STRUCTURES	Norio Tanaka	
								1398	INTEGRATING NATURE-BASED SOLUTION FOR EXTREME FLOOD DAMAGE MITIGATION WITH RIPARIAN VEGETATION MANAGEMENT: CASE STUDIES FROM GEUMGANG RIVER IN KOREA	Un Ji	
								1412	COMBINED EFFECTS OF REINTRODUCED MEGAFaUNA AND HYDROLOGICAL REGIME SHIFT ON FLOODPLAIN VEGETATION DYNAMICS	Sida Li	
86	45834	Thursday	13:30	15:00	ROOM 15	Special Session 30	Sediment management for reservoir sustainability	343	Study on surveying dam sediment topography using a uav-mounted green laser and on dam sediment flushing analysis.	Kota Shimizu	
								1440	Sediment venting through power waterways: a field monitoring concept	Carolin Friz	
								847	Modelling Sediment Deposition in Reservoir Using Complex Model Chain and Limited Data – Focus on 1D Numerical Modelling	Slaven Conevski	
								542	Alpine Reservoir Sedimentation: Challenges In Modelling Rapidly Varying Flow Conditions at Inflow Section	Sudesh Dahal	
								586	Reservoir Sedimentation Challenges and Issues with Case Study	Hi Tiwari	
								-	Reservoir sedimentation management in the Upper Rhône River (France)	Kamal El kadi Abderrezzak	
								484	A Scale-Invariance Approach To Modeling Of Extreme Rainfall Processes For Urban Infrastructure Design In The Climate Change Context	Van Thanh Van Nguyen	
								303	Robust And Cost-Optimal Increment Sizes And Pathways For Several Archetypes Of Coastal Protection In A Singaporean Context	Maarten Schoemaker	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
87	45834	Thursday	13:30	15:00	ROOM 12	Technical Session	B.1.3 Improvement in Design Guidance under Climate Change	635	Stochastic Downscaling And Uncertainty Partition In Climate Projections For Singapore	Mengzhu Chen	Angelos Findikakis
								675	Weakly Non-Stationary Return Period Analysis Of Rainfall Events Modelled By A Poisson Process With Trends	Giulio Calvani	
								1228	Progressive Adaptive Approach And Design Allowance In Port Works Design Manual	Tak Shing TSUI	
								1190	The Australian Climate Change Calculator - Mapping The Change In Flood Risk Across The Country	Monique Retallick	
88	45834	Thursday	13:30	15:00	ROOM 13	Special Session 27	Outfall systems and effluent discharges	352	Environmental Impact and Mitigation Strategies for Marine Brine Discharges from Seawater Desalination Processes.	Jose Francisco Sanchez Gonzalez	
								858	NUMERICAL ANALYSIS OF AIR ENTRAINMENT OF A PLUNGING JET FLOW UNDER DIFFERENT VISCOSITY LEVELS OF FLUID .	Dasun Lahiru Muthumala Jayasooriya	
								88	PREDICTING WATER TEMPERATURE IN SOUTHEAST ASIAN RESERVOIRS AND THEIR DOWNSTREAM RIVERS.	Matteo Redana	
								940	ADVANCING ENVIRONMENTAL RISK MITIGATION: LES-BASED ANALYSIS OF DENSE JET DISCHARGES IN FLOWING CURRENTS FOR IMPROVED MIXING BEHAVIOR PREDICTIONS.	Majid Mohammadian	
								799	An Enhanced Algorithm for Underwater Blast Bubble Simulation.	Xingrui Tao	
								1227	CHALLENGES IN LOCATING AND DESIGNING OF SEAWATER INTAKE ARRANGEMENTS IN OPEN SEAS AND CREEKS: INSIGHTS FROM THE INDIAN CONTEXT.	Guruprasath J	
								1524	OBSERVATION AND MODELING OF THE THERMAL PLUME FROM A NEAR NUCLEAR POWER PLANT INTO COASTAL WATERS	Xiaoli Chen	
								1524	OBSERVATION AND MODELING OF THE THERMAL PLUME FROM A NEAR NUCLEAR POWER PLANT INTO COASTAL WATERS	Li Zeng	
89	45834	Thursday	13:30	15:00	ROOM 16	Technical Session	A.4.3 Offshore Renewable Energy Systems (Offshore Wind Power, Oceanic Current Power, etc)	62	Influence Of Vibration On Equilibrium Scour Depth Around Monopile Foundations Under Combined Current Wave Conditions	Bruce Melville	Pavel Tkalic
								959	Emulating Meteorological And Oceanic Parameters In The Design Of Offshore Wind Platforms In A Changing Climate With Bluemath-Hub Framework	Valvanuz Fernandez-Quiruelas	
								1027	Dynamic Response Analysis Of An Innovative Scour Protection System: Small-Size Artificial Reefs Combined With Umbrella Structures	Wenhui Wei	
								827	Time Evolution Models For Scour Burial Of Isolated Objects On A Granular Seabed	Tommaso Attili	
								953	Experimental Study On The Mechanical Properties And Scour Resistance Of Solidified Marine Dredged Clay	Hao Meng	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
90	45834	Thursday	13:30	15:00	ROOM 17	Special Session 11	Education and professional development: the needs of water professionals in a changing environment and society	-	IAHR Label for Water Training and Education - A Flagship Initiative of UNESCO-IHP	Philippe Gourbesville	
								-	The contribution of the IAHR EPD committee in supporting the development of young water professionals	Michael Nones	
								1857	Research Training Group 'Urban Water Interfaces'	Reinhard Hinkelmann	
								1471	Accelerating SDG6 implementation in the Global South through capacity development: challenges and solution	Ioana Popescu	
								-	The value of regional and global cooperation for capacity building and knowledge exchange	Concepción Marcuello	
91	45834	Thursday	15:30	17:00	ROOM 2	Special Session 36	Water System Operation and Digital Twin	1425	MATHEMATICAL MODELLING FOR EFFECTIVE WATER LOGGING MANAGEMENT IN THE DORIKA RIVER BASIN: A CASE STUDY	Km Luxmi	
								1312	Ecological drought concept and its assessment for Yellow River Estuary	Bojun Liu	
								1415	Research on Hierarchical Control Strategies for Urban River Based on Model Predictive Control	Minghan Yang	
								1335	Real-time model predictive control of urban drainage system in coastal areas	Qiu Yang	
								1343	Study on Joint Optimal Scheduling of Urban Hydraulic Engineering Cluster based on Model Predictive Control	Wenwen Feng	
								1402	Hydro-storage short-term optimal scheduling for clean energy consumption	Yue Yang	
								1423	Study on the influence of cumulative effect of forecast error on reservoir operation benefit	Jia Wang	
								1464	Sensitivity analysis of predictive control parameters for real-time dispatch modeling of hydroelectric power plants	Shangjun Ye	
								1457	ANALYZING ENERGY DISSIPATION AND FLOW CHARACTERISTICS OF POONDI DAM: A CASE STUDY IN CHENNAI, TAMIL NADU, INDIA.	Balaji C	
								1457	ANALYZING ENERGY DISSIPATION AND FLOW CHARACTERISTICS OF POONDI DAM: A CASE STUDY IN CHENNAI, TAMIL NADU, INDIA.	Diwakar D	
								1454	Chinese practice of digital twin for water diversion project	Ke Xu	
								1422	Research on water level prediction of reservoir lakes in water transfer projects based on two-dimensional cloud model	Ke Xu	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								-	Digital Twin Empowering the High-Quality Operation of the South-to-North Water Diversion Project	Changcheng Pan	
								1439	STUDY ON SHORT-TERM OPTIMAL REGULATION OF CANAL STORAGE UNDER EXTREME CONDITIONS	Quan Li	
								1431	Construction and practice of digital twin water conservancy model platform For Ministry of Water Resources, China	Siyu Cai	
92	45834	Thursday	15:30	17:00	ROOM 3	Technical Session	A.5.7 Other Related Topics	286	Development Of Digital Testbeds To Support The Policy Of River Basin Disaster Resilience And Sustainability By All	Tetsuya Takeshita	Jonathan Tan
								296	Diwatt: An Open-Source Digital Twin Framework For Demand Response In Water Resource Recovery Facilities	Behzad Mozafari	
								369	Interference Noise Cancellation For Leak Detection In Water Distribution System	Chengcheng Yin	
								598	Stochastic Simulation Of Daily Precipitation And Temperature Based On A Multisite Multivariate Weather Generator	Xin Li	
								691	Quantum Simulation & Optimization Of Water Distribution Networks	Koen Leijnse	
								815	Development Of An Operational 2d Flow Model Of The Rhine For An Assistance System For Inland Navigation	Eduard Schaefer	
93	45834	Thursday	15:30	17:00	ROOM 4	Technical Session	A.6.5 Environmental Management and Monitoring	339	Model-Based Assessment Of The Cost-Effectiveness Of Mitigation Strategies Against Wastewater-Sourced Pharmaceuticals Towards Riverine Health Enhancement	Geovanni Teran Velasquez	Jenn Wei Er
								386	Recent Developments In Real-Time Control And Monitoring Of Stormwater Along Italian Highways	Stefano Biondi	
								857	Multimodal AI For River Health Assessment: A Proof Of Concept With Chatgpt-4 And Riparian Quality Index Photo Analysis	Enya Roseli Enriquez Brambila	
								890	Examination Of Sandbar Excavation In The Tidal River Sections For Expansion Of Ayu Spawning Bed Area	Keisuke YOSHIDA	
								894	Spectral Data-Based Technique For Flow Measurement In Sewer Pipes	HOSOO LEE	
								627	Innovative Sediment Transport Monitoring, What Influence Do Protective Structures Have On The Sediment Balance	Rolf Rindler	
								228	Hydraulic Dynamics And Water Quality Influence Of Johor Rivers In The Johor Strait: A Comprehensive Analysis	Athaya Jauhari	
								661	Characterizations Of Water Quality Trends Using A Water Quality Index Based On Over Fifty Years Of Historical Monitoring Data From The Sumida River In Tokyo	Martwi Diah Setiawati	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
94	45834	Thursday	15:30	17:00	ROOM 5	Technical Session	A.3.1 Water Resources Management	756	A New Indicator For Identification Of Critical Nodes And Pipes In Water Distribution Networks Based On Minimum Pressure Approach	Daniele Puleo	Xingwei Chen
								1216	Invisible Branches And Trapped Waves: Redefining Wave Physics In Pipe Systems	Daniele Puleo	
								669	A General Inverse Method For Estimating Environmental Hydraulic Parameters: Subset Simulation Approach	Urban Ahmed	
								662	Water Transfer Efficiency Improvement In Central Route Of South-To-North Water Diversion Project In Winter	CONGJI HAN	
95	45834	Thursday	15:30	17:00	ROOM 7	Technical Session	A.6.7 Remote Sensing – Others (Unmanned Aerial Vehicles (UAV), Radar, etc)	836	Estimating Water Stress In Avocado Trees Using Drone-Based Thermal Imagery And Micro-Sprinkler Irrigation In Peru	JOSE JESUS MARTIN TOLEDO CHOQUEHUANCA	Mingtao Jiang
								737	Soil Moisture Estimation At Vineyards Using Uav Multispectral Imagery And Machine Learning	Takuya Matsumoto	
								891	Monitoring Water Stress In Rice Using Thermal Imagery: A Case Study In Lambayeque, Peru	LIA RAMOS FERNANDEZ	
								920	Quantifying Bedload Transport Variability Using Acoustic Monitoring Systems In Flume Experiments	Zheng Chen	
								1097	Real-Time Predictions Of Suspended Sediment Concentration Using Machine Learning	Mohamed Saber	
								804	Leak Detection Of Water Distribution Pipelines Based On Wt-Mfcc And Multiple Neural Network Models	Kaiyi Tan	
96	26-Jun-2025	Thursday	15:30	17:00	ROOM 8	Technical Session	B.2.2 Nature-based Solutions for Upstream Catchments and Small Streams	540	Validating Risk-Based Mowing Strategies For Aquatic Vegetation Management In Regulated Lowland Streams	Ellis Penning	Jiarui Lei
								102	Monitoring Perspectives Of Natural Flood Management In Uk Catchments	Slaven Conevski	
								122	Evaluation Of Nature-Based Solutions In Hydrological Modelling: A Case Study In The Hindu Kush Himalayas	Guglielmo Sonnino Sorisio	
								179	Evaluating The Effectiveness Of Nature-Based Solutions For Small Stream Restoration	Helene Boisgontier	
								211	Integrating Subgrid Sampling With Nature-Based Solutions (Nbs) Interventions For Enhanced Flood Risk Reduction In The Riseley Brook Catchment	Shifteh Mobini	
								556	Reflections on Planning and Implementing Nature-Based Solutions For Flood and Sediment Resilience in Nordic Infrastructure: Insights from the EU Nature-Demo Project	Amrie Singh	
								637	Predict Suspended Sediment Concentration In An Alpine Stream Using Data-Driven Modelling	maurizio righetti	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
97	26-Jun-2025	Thursday	15:30	17:00	ROOM 9	Technical Session	A.5.5 Data-Driven Methods and Machine Learning Techniques	802	Automatic Quality Control Of Rain Gauges Using Machine Learning And Generalization To A Catchment	Karen Schulz	Wenming (William) Zhang
								1030	Advancing Hydrological Modeling In Complex Terrain With Satellite Data And Integrated Hydrological-Soft Computing Approaches	Muhammad Adnan Khan	
								720	Spatial Structure Analysis For Downscaling Oceanic Information	Xuan Wang	
								730	Selection Of Machine Learning Algorithms For Reservoir Inflow Forecast: A Case Study Of The Da River Basin	Le Huu Minh Quan	
								1067	Robust Sensor Data Validation With Deep Learning: Performance Analysis With Synthetic Anomalies	Rocco Palmitessa	
98	26-Jun-2025	Thursday	15:30	17:00	ROOM 10	Special Session 7	Current Research in coastal protection and flood resilience conducted in CFI Singapore	-	CFD Simulations of Storm Surge and the Interaction with Green and Grey Coastal Structures	Yudi Zhou	
								-	Assessing the Drivers of Sea Level Changes at the Singapore Coastline	Farzin Samsami	
								-	Innovative Solutions for Coastal Protection: Flexible Seawall Method	Hao Chen	
								-	Integrating Wave Energy Converters in Floating Structures for Coastal Protection in Singapore	Xuejie Zhang	
								-	Towards Multi-Scale Assessment of Hydrodynamical and Structural Influences on Coral Larvae Settlement and Resilience of Hybrid Coastal Protection Solutions	Ronald Chan	
								-	Hydrodynamic Effects of Submerged Coastal Vegetation on Wave-Current Interactions	Guanyi Gao	
								-	Impact of Terrestrial and Marine Factors on the Natural Growth of Mangroves	Huang Sheng	
99	26-Jun-2025	Thursday	3:30 PM	5:00 PM	ROOM 14	Special Session 2	Adaptive management of riparian vegetation in the era of climate change	1460	ADVANCEMENTS IN NUMERICAL MODELING OF FLOW RESISTANCE IN VEGETATED CHANNELS: FUTURE DIRECTIONS AND CHALLENGES	Hyoseop Woo	
								1551	THE CLOUT OF MULTIPLE PLANTS SPECIES ON FLOW RESISTANCE AND EFFECTIVE SEDIMENT TRANSPORT IN VEGETATED RIVERS	Andrea Del Gaudio	
								397	THE IMPACT OF RIVER SAND MINING ON MIXING LAYERS IN A SQUEEZED MANGROVE FOREST IN THE MEKONG DELTA, A SCHEMATIZED MODEL APPROACH	S.H Truong	
								1383	Vegetation coverage threshold for reducing surface runoff-induced non-point source pollution: a case study of Shenzhen	Ke Wang	
								1006	Simulation of supersaturated total dissolved gas transport in compound vegetated channel	Youquan Yuan	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								522	The blocking effect of parallel fringing vegetation arrays on flow structure dynamics	Yuan-Heng Zhang	
100	26-Jun-2025	Thursday	3:30 PM	5:00 PM	ROOM 11	Special Session 29	Safety Assessment for Instream Installations using Multi-Sensor-Based Remote Technology	1349	Validation of data reliability for monitoring river-crossing installations using a multibeam sonar-equipped USV	Seongin Yoon	
								1381	Developing a drone bathymetric lidar using simulation for parameter optimization	Jaehak Kim	
								895	Crack segmentation application using UNET deep learning model for hydraulic structures	Dong Sop Rhee	
								1427	Development of robust dam crack detection models using UAV-acquired data	Jiwan Hong	
								1380	Integration of drone and BIM data for facility management	Ojin Kwon	
								1395	Basic design of a remote measurement technology-based system for water resource facility safety management	Youngjun Lee	
								1410	Estimating the discharge from the distribution of surface velocity using the maximum entropy method	Sangjin Han	
								1401	A study on the comprehensive safety assessment methodology of river-crossing installations using advanced measurement technologies	Taesoo Eum	
101	26-Jun-2025	Thursday	3:30 PM	5:00 PM	ROOM 12	Technical Session	A.6.9 Data Uncertainty Analysis and Assessment	470	Evaluating Measurement Uncertainty In Adcp Discharge Using The Gum Method	Marian Muste	Dawei Guan
								16	Meta-Analysis Of Bedload Transport Measurements	Sebastian Schwindt	
								414	The Hunt For Uncertainties In Assumptions Within Irrigation Models	Seth Nathaniel Linga	
								202	On The Normality And Controls Of Dissolved Oxygen In Riverbeds: Insights From Field Measurements	Beatriz Medeiros Fernandes Negreiros	
								807	Impact Of Update Frequency And Observation Network Density On The Performance Of Hydrological Data Assimilation	Kumudu Madhawa Kurugama	
								768	Investigation Of Uncertainty Analysis In Simulating Storm Surge And Wave Height Using Adcirc And Swan Coupled Model	Wei-Che Huang	
								676	Numerical Investigation Of Wave-Current Induced Scouring Development Around A Subsea Pipeline	Pengzhi Lin	
								364	Scale Effects In 3d Granular Slides On A Smooth Incline	Valentin Heller	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
102	26-Jun-2025	Thursday	3:30 PM	5:00 PM	ROOM 13	Technical Session	A.2.7 Other Related Topics	274	An Empirical Study On Wave Attenuation By A Wet Type Of Vegetated Floating Island	Yuan-Jyh Lan	JanJaap Brinkman
								878	Turbulent Dam-Break Wave With High Volume Of Release	andrea del gaudio	
								124	Research And Application Of Three-Dimensional Flood Indicator System Of Urban Underground Space	Peng Liu	
								624	Sequential Nonlinear Analysis Of Buildings Exposed To Flash Flooding And Earthquake	Maria Pregnolato	
103	26-Jun-2025	Thursday	3:30 PM	5:00 PM	ROOM 16	Technical Session	A.4.1 Reservoir Renewable Energy Systems (Hydropower, Floating Solar, etc)	741	Experimental Analysis Of A New Regulation System For Cross-Flow Type Turbines In Mini-Hydropower Plants	Calogero Picone	Kim Irvine
								744	Experimental Study On Hydraulic Characteristics And Stability Of A Novel Shaft Coaxial Surge Chamber In Pumped Storage Hydropower Station	Wenlong Zhao	
								1481	Variable Speed Pump Storage With Robust Ac Excitation Converter For Doubly Fed Induction Machine	MARTIN GESKE	
								690	Coupling Mechanical And Electric Rotors In Small Cross-Flow Type Turbines	Tullio Tucciarelli	
								1188	Comparative Analysis Of The Short-Term Scheduling Performance Of Conventional Hydropower And Pumped Storage In Horizon Of Renewable Energy Integration	Weijia Yang	
								74	The Vortex Energy Drive: A Novel Technology In Harnessing Hydro-Kinetic Energy	HAO CHEN	
104	26-Jun-2025	Thursday	3:30 PM	5:00 PM	ROOM 17	Technical Session	A.2.2 Hydraulic Structures and Processes	543	A Sensitivity Analysis Of The New Design Of Overflow Spillways: Weirs With Varying Profile	Fatna Ouksaili	INTAN SUPRABA
								1233	Complementary Physical And Numerical Modelling Of Wave Overtopping With Application To Two-Tiered Seawall Defence	Christopher Wong	
								1487	Hybrid Modeling Of The Spillway Of The La Fuensanta Dam (Spain)	Francisco Ramon Andres Martin	
								713	Hydraulic Assessment Of Tunnel Spillway Using 3d Numerical Model	Rahil Ahmad	
								1132	Study On The Reduction Of Scour Downstream Of A Weir By Varying End-Sill Height	Pankaj Singh	
							B.1.1 Coastal Protection and Management	360	Ecological Restoration Planning Of Coastal Zone In The Yangtze River Delta Region Under Changing Climate	Yangyue Yu	
								1089	Non-Cohesive Sediment Transport During Steady-Flow Flushing Operations In Sewer Pipes	Biao Huang	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
105	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 1	Technical Session	A.2.3 Enhancements in Urban Drainage Systems	1077	A Review Of Sponge City Concept Implementation In Yogyakarta, Indonesia	Shakti Rahadiansyah	Yui Liang
								345	Implementing Urban Pluvial Floods' Mitigation Measures In An Interactive Tool Built With Open Data	Diego Novoa Vazquez	
								1259	Climate Change And Urban Hydraulic Resilience In Italy Through Nature-Based Solutions: The Sunrise Project	Corrado Gissoni	
							A.3.5 Eco- and Environmental Hydraulics	1207	Vertical Profiles Of Velocity And Turbulent Kinetic Energy At Vertical Slot Fish Pass	Mehmet Salih Turker	
								1062	Hydrodynamic Characteristics Of Compound Channel During Flood Inundation And Recession Processes: A Combined 2d/3d Numerical Study	Jiaming Liu	
106	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 2	Technical Session	A.2.2 Hydraulic Structures and Processes	1152	Flow And Turbulent Characteristic Over Spillways Slab Gaps	Sevket Cokgor	Hariff Santo
								505	Turbulence Flowand Local Scour Charctersitcs Around Submersible Twin In-Line Piers With Varying Submergence Ratio	JAGILINKI ARAVIND	
								560	Hydrodynamic Characteristics Of Submerged Turbulent Wall Jets	Rajesh Kumar Mahato	
								583	Estimation Of Efforts In The Lower Beam Of Segment Gates Subject To Hydraulic Jump Waves	Raquel Takeda	
								1000	Clear-Water Bridge Pier Scour Under Overtopping Flow Conditions	Jeong-Myeong Lee	
							B.1.6 Adoption of Green and Grey Water Infrastructure	910	Multiple Benefits Evaluation Of Lid Practices Under Climate Change	Qian YU	
107	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 3	Technical Session	A.6.6 Remote Sensing – Satellite	7	Remote Sensing For The Study Of Climate Change And Intensive Agriculture And Its Effects On An Overexploited Fossil Aquifer System, Arid Region, Atacama Desert	Edwin Pino Vargas	Hieu Kieu
								795	Spatial And Temporal Analysis Of Chlorophyll-A Using Sentinel-2 Data At Sutami Reservoir, Indonesia	Firman Sarifudin Efendi	
								1114	Responses To Climate Change In The Complexity And Instability Of Braided Rivers In Central Asia	Zhiwei Li	
								775	Evaluation of Satellite Imagery-Based High-Resolution DTMs for Flood Analysis in Steep-Slope Regions	Maulana Ibrahim Rau	
							B.2.7 Other Related Topics	558	Thermal Regimes In River Systems Shaped By Precipitation And Paddy Field Agriculture In Japan	Morihiro Harada	
								861	Modelling Nutrient Emissions Into Waterbodies Caused By Various Land-Use	Samaneh Alighanbari	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
108	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 4	Technical Session	A.2.5 Forecasting and Warning	762	Probabilistic Decision Support For Anticipatory Flood Actions In Alexandria City, Egypt	Biswa Bhattacharya	Mark Hegnauer
								155	Advances In Flash Flood Forecasting For Urban And Semi-Arid Regions: A Case Study From Saudi Arabia	FAWAZ ALZABARI	
								527	2d Modeling On River Flow Characteristics Due To Extreme Rainfall	I GEDE TUNAS	
								1189	A Novel Discrete Boltzmann Model For Shallow Water Flows With Wet And Dry Scheme	Yong Peng	
								548	Rainfall And Runoff Characteristics In The Kumano River Basin Using Different Resolution Global Warming Prediction	KOHJI TANAKA	
							A.2.5 Forecasting and Warning	996	Operational Flood Forecasting Using Integrated Nwp-Hydrological Distributed Models And Deep Learning-Projections Of Flews Manipur	Romeji Ngangbam	
109	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 5	Technical Session	A.2.4 Sediment Transport and Bathymetrical Changes Assessment	78	A Data-Driven Approach To Real-Time Reconstruction Of Turbulent Flow Fields On Coarse-Grain Bed Using Sparse Observational Boundary Data	Yifan Yang	Michael Nones
								1156	Assessing The Effect Of A Morphological Acceleration Factor On 2d Morphodynamic Modeling In A Braided River	Behnam Balouchi	
								1092	Observing And Analyzing The Riverbed Evolution Process In Relation To Different Floodplain Widths Through Flume Experiments.	Chong-Yu Sun	
								803	Sand-Gravel Mining Impacts On Sediment Transport And Morphology Of Thoubal River	ROMEJI NGANGBAM	
								847	Modelling Sediment Deposition In Reservoir Using Complex Model Chain And Limited Data – Focus On 1d Numerical Modelling	Slaven Conevski	
								1080	Spatiotemporal Variations In Riverbed Stability In The Lower Jingiang Reach Of The Yangtze River And Its Response To Flow And Sediment Characteristics	Jingyi Zhu	
110	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 6	Technical Session	A.2.6 Disaster Risk Reduction	1103	Using Comprehensive Field Data For Validating Large-Scale Hydrodynamic Hindcasting Of An Extreme Flood Event	Pratik Chakraborty	Kenji Kawaike
								671	3d Numerical Assessment Of Water-Induced Forces On People During The Evacuation Of Flooded Stairs	Beniamino Russo	
								607	Development Of Evaluation Model For Driftwoods Generation In The Kawabe River Basin Due To Heavy Rain Event And Assessment Of The Effect Of The Climate Change	Shinichiro Yano	
								609	Aseismic Mechanism Of Laminated Shear Energy Dissipation Structure In Hydraulic Tunnels During An Earthquake	Ningbo Li	
								1050	Risk Assessment Of Rainfall-Induced Landslides By Slope Unit-Based Data Augmentation	JIE LIU	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								510	Development Of Building Fragility Curves For Flooding In The July 2020 Kuma River Flood, Japan	Riku Kubota	
111	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 7	Technical Session	A.3.5 Eco- and Environmental Hydraulics	694	High-Resolution Numerical Modelling Of Sediment Dynamics In Submerged Canopies	Shahabaddin Abbaszadeh	FERNANDO J. MENDEZ
								992	Prediction Of Climate Change Impact On River Temperature In The First Class Rivers Of Chugoku Region Using Deep Learning	Daichi Fukumaru	
								1006	Simulation Of Supersaturated Total Dissolved Gas Transport In Compound Vegetated Channel	Youquan Yuan	
								957	Study On The Impact Of Entrainment Effects At River Intakes On Early Fish Resources	Zhonghang Wu	
								1196	Effect Of Brush Block On The Movement Characteristics Of Squalius Orpheus In A Pool-Weir Fish Pass: Ethohydraulic Experiments	Mehmet Salih Turker	
								1081	Open-Channel Confluence As An Oblique, Curved, Confined Jet In A Crosflow	Yunqiang ZHU	
112	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 8	Technical Session	A.2.1 Coastal Processes and Hazards	1138	Numerical Assessment Of Wave Interaction With Curved Front Face Pile-Supported Breakwater	Shaik Firoj	Yaodong Zhang
								938	Numerical And Experimental Study Of Wave Dynamics Around Detached Breakwaters	Shu Kai Ng	
								227	A Study On Prediction Of Saltwater Intrusion In Costal Aquifer Using Lstm Technique	Woochang Jeong	
								239	The Effects Of The Structural Complexity On The Flow Field Around Menger-Type Cubic Artificial Reefs	Jialin Zhao	
								700	Intensified Wind And Discharge Impact Of River Plume Spreading On Berau Continental Shelf	Andi Egon	
								876	Numerical Investigation Of Tsunami Force Reduction In Micro-Roughness Elements With Varying Blockage Effect	Nandhini Duraimurugan	
113	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 9	Technical Session	A.3.2 River Engineering and Management	1142	Modelling Flood And Large Wood: A Dynamic Duo In Motion	Stefano Sibilla	Thue Noehr Geil
								488	Research On Model Tests And Numerical Simulations Of The Hydraulic Characteristics Of Curved Spillways	FEI LIU	
								1018	3d Numerical Modelling Of Flow Overtopping Induced Of Fluvial Dikes	Zhou Shiqin	
								105	A Comparison Of Scour And Flow Field At Three Different Spur Dikes	Lav Kumar Gupta	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
								1026	Computation Of Bed Shear Stress Using Multiple Methods And Quadrant Analysis In An Asymmetric Sinuous Channel	Prafulkumar V Timbadiya	
								939	Sand Supply To Gravel Bed And Its Effect To Gravel Mobilization And Channel Evolution	Hiroshi Miwa	
114	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 10	Technical Session	A.6.2 Hydrological Measurements (Flow, Groundwater, Precipitation, etc.)	948	Estimation Of River Cross-Sectional Profile During Flood Condition Based On River-Water-Surface Flow	Hideto Yoshimura	Pui Yee Wong
								950	Image Processing Technique Of Velocity For Videos With Shaking, Panning, Tilting And Rotation Taken During Flooding	Jin Kashiwada	
								513	Rainfall Intensity Measurement By Using Deep Learning With Optical And Acoustic Sensors	Cheng Wei Wu	
								485	Estimation Of Flow Discharge Of Large-Sized Rivers In Flood Time Using A Drone Video	Kwonkyu YU	
								701	Unsteady Features Of Bedload And Near-Bed Turbulence Measured In A Braided Gravel Bed River	Ryota Tsubaki	
							B.1.7 Other Related Topics	994	Evaluating The Performance Over MI-Based Of Xgboost Over Mlr For Heatwave Prediction	MANALI PAL	
115	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 14	Technical Session	B.2.4 Nature-based Solutions for Coastal and Estuarine Waters	659	The Evolution Of Hydrodynamic Intensities And Sediment Erosion Along Submerged Aquatic Vegetation	XINYA LIANG	Kian Yew Lim
								887	Conceptual Framework For Mangrove-Based Eco-Engineering Solutions	Danica Tothova	
								215	Enhancing Mangrove Restoration Through The Socio-Economic Cost-Benefit Approach	Erika Ng	
								194	Strengthening Mangrove Restoration: Portable Breakwater Solutions For Enhancing Sapling Survival And Root Stability	Sindhu Sreeranga	
								817	Nature Inclusive Coastal, Ports And Offshore Infrastructures	Fernando Colom	
							B.2.2 Nature-based Solutions for Upstream Catchments and Small Streams	555	Evaluation Of Nature-Based Flood Mitigation Measures In Alluvial Fan Floodplain	Kazuaki Ohtsuki	
116	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 15	Technical Session	A.3.1 Water Resources Management	1345	Water Resource Management For Sustainable Agriculture: A Framework To Adapt To A Changing Climate In Ghana's Tree Crop Sector	Francesco Cioffi	Randong Liu
								159	Integrating Hydrologic Insights With Environmental Flow Needs: A Spatial-Temporal Approach	Yan Zhou	
								703	Assessment Of Drinking Water Losses In The Wellington Region	Yan Zhou	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
116	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 10	Technical Session	B.1.2 Flood and Droughts Management	172	Factors determining the efficiency of drinking water production locations in the Netherlands	Timothy Lord	Jianzhong Guo
								819	Analysis Of Inflow And Incremental Flow Anomaly With The Enso Index On Parana Basin	Luiz Henrique Maldonado	
								1149	The Role Of Groundwater Resources In Drought Mitigation In Southern Angola	Pedro Lombe	
117	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 11	Technical Session	A.3.4 Urban Hydraulics	1023	A Case Study On Integrating And Repurposing An Existing Public Irrigation Channel Into A Water Feature In A Private Residential Development	JONAH MARIE MALOLOS	Rocco Palmitessa
								98	Field Investigation Of The Flow Field In Box Culverts – Preparation And Challenges	Hui Ling Wong	
								717	Dynamics Of Gas Phase Hydrogen Sulfide Distribution In A Prototype Sanitary Sewer Network	Yu Qian	
								497	Experimental Study On Dynamic Characteristics Of Entrapped Air In Urban Drainage System	Rui-lin Feng	
								141	Hydraulic Performance And Flow Characteristics Of Adjustable Tilting Weir	Jiazhen Li	
118	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 12	Technical Session	B.3.1 Hydro-Environment History and Heritage	915	Applicability Of 2d Hydraulic Model For Small-Scale Urban Flood Scenarios In Heritage Sites: A Case Study Of Katsura Imperial Villa, Japan	XI CHEN	Hyoseop Woo
								985	Demonstration Center For Urban Water Cycle At A University Building Scale	Matjaz Mikos	
								145	Is There A Need For Model-Based Water Research To Involve Stakeholders: An Insight On Sociohydrology Practices In The Philippines?	Jastine Mae Galang	
								1229	Sharing Traditional Water Management Techniques To Deliver Sdgs And Tackle The Global Water Crisis	David Hetherington	
							B.3.4 Coastal Resilience and its Definitions	110	Case Study Of Breakwater Response Analysis In The Superposition Of Earthquake And Tsunami	masayuki Takamoto	
							A.3.11 Other Related Topics	243	The Impact Of Water Engineering On The Evolution Of Human-Water Relationship: A Case Study Of Dongting Lake	Xingya Xu	
119	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 13	Technical Session	B.1.5 Resilience Strategies for Extreme Events	633	Assessing Land Use Change Scenarios To Reduce Impacts Of Extreme Flash Flooding In Semiarid Coastal Areas Of Southeast Of Spain	SANDRA GARCIA GALIANO	Maria Prednolatu
								893	Evaluation Of Compound Extremes Of Temperature And Precipitation In The State Of Florida, United States	Ramesh Teegavarapu	
								1061	Automation Of Dynamic Adaptation Pathways Planning (Study Case: North Jakarta Bay)	Elyada Eben Ezer	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
119	27-Jun-2025	Friday	09:00 AM	10:30 AM	ROOM 16	Technical Session	C.1.2 Resilient Strategies For Extreme Events	1076	A Study On The Development Of Urban Flood Resilience Index From The Perspective Of Socio-Ecological Systems	Su Min Song	Hana T. Toghiani
								1110	Comparative Analysis Of Flood Risk Assessment : A Spatial Vs Social Based	Annisak Laila Rakhmawati	
								663	Assessing The Impact Of Flood Events On Seasonal Hypoxia Using D4pdf Database In The Ariake Sea, Japan	LIN HAO	
120	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 16	Technical Session	B.1.3 Improvement in Design Guidance under Climate Change	770	Numerical Modeling Of Surf Zone Hydrodynamics Using Swash	Leonardo Damiani	Zi Qian Yang
								221	Hydrodynamic Evaluation Of Flood Control At Yamadazeki Barrage: A Two-Dimensional Model Analysis Of Oblique Weir In Chikugo River	Toshinori Tabata	
								1133	Integrating Impacts Of Climate Change On Aquatic Environments In Inter-Basin Water Regulation: Establishing A Critical Threshold For Best Management Practices	Didi Song	
								253	Towards Coastal Resilience In Singapore: Adaptive Planning Strategies	XUELU WANG	
								254	Building Climate Resilience And Ensuring Water Security In Ramanathapuram: Strategies For Sustainable Adaptation	Subha Muthu Kumar	
							B.1.7 Other Related Topics	126	Cooling The Concrete Jungle: A Hybrid Statistical And Machine Learning Approach To Urban Heat Island Mitigation In Auckland Cbd	Kilisimasi Latu	
121	27-Jun-2025	Friday	9:00 AM	10:30 AM	ROOM 17	Technical Session	A.6.1 Advanced Experimental Techniques	993	On The Use Of Substitute Sediments To Study Entrainment And Retention In Wakes	Ingo Schnauder	Hua Liu
								440	Residual Energy Of Hydraulic Jumps: Characterization Using Image Velocimetry	Robert Ljubicic	
								845	Performance Evaluation Of Pressure Sensors Under Two-Phase High-Speed Flows In A Low-Level Outlet	Janine VÄngele	
								981	Scour Monitoring Around Piers To Recognize Critical Conditions For Existing Bridges	Pietro Giaretta	
								1014	Wind-Wave-Dependent Properties Of Aerodynamic Roughness Length In A Large-Scale Wind-Wave Tank	WENYI LI	
122	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 1	Technical Session	A.3.3 Reservoirs Management	855	Evaluating Outflow Discharge From Flood Control Reservoirs: A Comparison Of The Chicago Storm-Based Method And The Variational Approach	Dina Pirone	Amin Goh
								646	Study On An Inflow Flood Identification Model Of Reservoir Group	Jing Huang	
								60	Two-Dimensional Hydrodynamic Analysis And Field Measurements For The Assessment Of Eutrophication In The Peñitas Reservoir, Mexico	Fabian Rivera-Trejo	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
121	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 1	Technical Session	B.1.6 Adoption of Green and Grey Water Infrastructure	95	A Methodology To Consider The Effect Of Paddy Field Dams Using Open Polygon Data Toward Basin Flood Control Management	Kenichiro Kobayashi	Kenichiro Kobayashi
							B.2.2 Nature-based Solutions for Upstream Catchments and Small Streams	34	A Study Of The Impact Of Bioswale To Filter Npk Fertilizer For Algal Bloom Mitigation	INTAN SUPRABA	
							A.5.7 Other Related Topics	1165	Digital Hydraulic Jump At Froude Number 6 Properties Along The Hydraulic Jump Length	Rita Carvalho	
123	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 2	Technical Session	A.2.2 Hydraulic Structures and Processes	763	Investigation Of Suspended Sediment And Turbine Erosion For The Sustainable Operation Of A Planned Low-Head Hydropower Plant	Robert Boes	Cheng Chen
								964	Design Of A Hydraulic Laboratory Experimental Set Up For Observing Suspended Sediment Transport And The Deposition In A Pipes	Yoon-Hwan Jeong	
								1609	Numerical And Physical Modelling Of A Bottom Outlet Stilling Basin Without Impact Element	LUIS Balaliron	
								927	Experimental Study On Lateral Overflow Angle In Straight Open Channel	Koji Asai	
							A.3.4 Urban Hydraulics	850	Cfd Modelling Study Of Air-Water Stratified Flow In The Partially Filled Underground Gravity Main	Janek Laanearu	
							A.3.4 Urban Hydraulics	1045	Experimental Investigation Of Acoustic Wave Propagation In Fully Developed Turbulent Pipe Flow	XIN MENG	
124	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 3	Technical Session	A.5.3 Computational Methods for Hydraulic and Water Quality Modelling	670	Real-Time Water Consumption Model Using Google Popular Times: A Cost-Effective Alternative To Smart Water Metering	Milad Rajaei	Ronald Chan
								864	Improving Sedimentation Efficiency In Accelerator Decanters: A Case Study Using Cfd	CELIA ORTEGA	
								990	Calibration Of A Hybrid Transient-Machine Learning Model For Anomaly Detection In Water Transmission Mains Using A Physical Testbed	maurizio righetti	
								1051	Enhancements Of A Two-Dimensional Shallow Water Mps Method To Model Non-Newtonian Flash Floods	Ahmad Shakibaeinia	
								93	Simulation Of Flow And Fish Behavior Including Check Dams (Groundsills) And Fishways In The Toyohira River Using Iric-Gelato	Michihiro Hamaki	
								392	Air Entrainment In Hydraulic Jumps With A Novel Theoretical/Numerical Model	Leiza Evelin D'Angelo	
								1059	Experimental Investigation Of Wind-Driven Subsurface Turbulence	XIANTING ZHAO	
								206	Velocity Structure Measurement For Water Flow With Air Bubbles In A Horizontal Pipe	Chaebin Song	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
125	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 4	Technical Session	A.6.1 Advanced Experimental Techniques	125	Unraveling The Role Of Pocket Geometry In The Initiation Of Large Sediment Particles: Insights From Imu-Based Analysis	Xin Lu	Jochen Aberle
								472	Urban Flood Pilot Experimental Facility For The Development Of An Urban Flood Infrastructure Monitoring System And Evaluation Method	Jongmin Kim	
								1210	Density Currents Interacting With An Array Of In-Line And Emergent Cylinders	#N/A	
							A.6.10 Other Related Topics	1010	Effect Of Contraction Length On Hydrodynamics And Scour Characteristics For Pressure Flow Under A Bridge Deck	THEKKILAKKATTU IYPE ELDHO	
126	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 5	Technical Session	B.1.2 Flood and Droughts Management	1011	Effect Of Antecedent Soil Moisture Conditions On Flood Characteristics	Vamsi Krishna Vema	Shiying Xu
								73	Advanced Methodology For Intensified Flash Drought Detection And Ecosystem Impacts Across Indian River Basins	VIKAS POONIA	
								1399	Flood Risk Assessment Of Kerala Using A Local-Inertial Model	BHADRA DEVADAS	
								85	Optimization Of Flood-Control Reservoirs Considering Climate Change Impact On High Water Waves	Igor Mtkar	
								328	Assessing Compound Flood Drivers In Peninsular India: A Bivariate Analysis Of Precipitation, Runoff, And Soil Moisture	ANKITA MUKHERJEE	
								727	Using Advanced Economic Modelling To Value Tangible And Intangible Benefits Of Flood & Drought Resilience	Liyan Fad'l	
127	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 6	Technical Session	A.2.6 Disaster Risk Reduction	1091	A Comprehensive Design Framework For Placement Of Urban Flood Prevention Measures For Critical Area	RUIXUAN WU	Farzin Samsami
								363	Study On The Effect And Influencing Factors Of Leaching Desalination Method	Penghe Wang	
								1031	Multi-Driver Approach To Modeling Compound Flood Hazards (Case Study Of Pekalongan City, Indonesia)	Annisak Laila Rakhmawati	
							A.2.5 Forecasting and Warning	1013	An Efficient Early Warning System Of Tropical Cyclone-Induced Impacts For Small Pacific Island Countries	FERNANDO J. MENDEZ	
							A.4.3 Offshore Renewable Energy Systems (Offshore Wind Power, Oceanic Current Power, etc)	443	Hydrodynamic Impact Of Offshore Wind Farms In New York And New Jersey Area	Ruo-Qian Wang	
							B.1.7 Other Related Topics	491	Hydrological Modelling: Insights Into Hydrological Signals And Contaminant Transport	Adil Siripatana	
								923	The Effects Of Vegetation Height And Density On Flow And Turbulence Within And Behind A Patch Of Vegetation	Masaya Yoshikai	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
128	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 7	Technical Session	A.3.5 Eco- and Environmental Hydraulics	1180	Lessons From The Field: Fish Can Go With The Pipe Flow	Hiruni Kammanankada	Xindi Chen
								1213	Ethohydraulic Experiments On Downstream Fish Migration With Oppermann Fine Screen	Cumhur Ozbey	
								1384	Time-Varying Effects Of Water Diversion From River To Lake On Lacustrine Phytoplankton Communities	Jiangyu Dai	
								534	Sediment Transport In Vegetated Channel	Jennifer Duan	
							B.1.3 Improvement in Design Guidance under Climate Change	616	VULNERABILITY OF DAMS AND RESERVOIRS TO CLIMATE CHANGE IN THE MEDITERRANEAN REGION: THE CASE OF ALMOPEOS DAM IN NORTHERN GREECE	Anastasios Stamou	
129	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 8	Technical Session	A.5.4 Computational Methods for Coastal Processes (Waves, Currents, etc.)	411	Analysis Of Three-Dimensional Dynamics In The St. Lawrence Fluvial Estuary	Maelys Le Mouel	Zhengzhi Deng
								1144	Numerical Study Of Wave Attenuation Across Different Vertical Vegetation Zones	Maelys Le Mouel	
								1178	Numerical Investigation Of Regular Wave Interaction With Cylinder Array	Julio Ramirez	
								332	Fluid-Structure Interactions Based On A Large Eddy Simulations Numerical Wave Tank	Ashutosh Priyadarsan	
								1252	Modelling Of Sediment Clump In Open Water Sediment Disposal	Er Jenn Wei Er	
							A.4.8 Other Related Topics	1098	Tidal Hydrodynamic Modelling Of Sunda Shelf Seas	Amyrhul Abu Bakar	
130	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 9	Technical Session	A.5.5 Data-Driven Methods and Machine Learning Techniques	1173	Data-Driven Leak Detection In Real Water Distribution Networks With Multiple Excitation	Vincent Tjuatja	Hui Zhang
								983	A Random Forest-Based Traceability Method For Drifting Corpse Drop Sites	Yuzhao Xie	
								1003	Data Completion For River Cross Section Morphology Under The Water Based On Deep Learning Models	Yuzhao Xie	
								1195	Physics-Informed Neural Networks With Automated Parameter Scaling For Simulation Of Water Pollution	Haoran Li	
								442	Flow Routing In Rivers With Neural Networks	RICARDO GUTIERREZ	
							A.3.11 Other Related Topics	44	Gumbel Distribution Function Parameters Estimation Using Gravitational Search	Maritza Arganis	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
131	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 10	Technical Session	A.4.4 Water-Energy-Food Nexus	854	Resilience Of Irrigated Agroecosystems: A Nexus Approach Using Multidimensional Indicators And Smart Water Technologies	Umberto Fratino	Baixin Jiang
								1179	Characterization Of An Innovative Off-Grid Hydraulic Device For Irrigation Sustainability	Davide Troiani	
								516	Adaptive Water Management Under Coal-Fired Power Phase-Out: New Equilibrium And Multiple Benefits	Haixing Gou	
								169	Evaluation On The Sustainability Of The Water-Energy-Food-Energy Nexus Based On A Comprehensive Indicator System	Zixi Liu	
								287	Development Of Analytic Network Framework For Techno-Economic Analysis Of Urine Treatment Technologies	Haresh Dash	
							A.6.10 Other Related Topics	496	Development Of Fluid Force Measurement Equipment For Hydraulic Experiments	HARUKI MATSUI	
132	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 14	Technical Session	B.2.6 Ecosystem Services	545	Mangrove Ecosystem Services In Fiji: Bridging Knowledge Gaps In Ecosystem Services Valuation	Laura Montano	Celine Teo
							B.2.7 Other Related Topics	123	Adapting Catchment Approaches To A Changing World - Building Capacity, Governance And Funding Solutions In The Uk	Michael Adams	
								205	Variability In Water Temperature Due To Hydropeaking In A Mountain River: Implications For Invertebrates	Estrella del Carmen Carrero Carralero	
								365	Connecting Water, Biodiversity And Cultural Ecosystems Services – Research And Practice	Ana Estela Barbosa	
								504	Identification Of Hydraulic Jump Types In Mitigating The Risk Of Accidents On Recreational Hydraulics (Rafting Tourism) To Support Sustainable River Management	Adhy Kurniawan	
							A.2.3 Enhancements in Urban Drainage Systems	1261	Urban Coasts And Extreme Events In Spain	Jose M. GRASSA	
133	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 15	Technical Session	A.4.5 Water Management for Urban Agriculture	361	Seeking Effect Of Global Warming On Wheat Crop Indicated By Neural Network Aided Crop Water Stress Index	Palash Krishna Dandotia	Tian Li
								374	Data-Driven Prediction Of Canopy Temperature Using Artificial Neural Networks	Gopal Das Singhal	
								454	Integrated Planning Of Water Resources And Management For The Emirate Of Abu Dhabi	Mike Healey	
							A.4.6 Water for Hydrogen Production	666	Hydrogen-Assisted Biogas Upgrading: A Pathway To Renewable Energy Optimisation And Climate Mitigation	Saba Aghdam Tabar	
							A.4.6 Water for Hydrogen Production	729	How Can Water Authorities Influence The Hydrogen Economy – Lessons From Australia	Alexus Van der Weyden	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
							A.4.3 Offshore Renewable Energy Systems (Offshore Wind Power, Oceanic Current Power, etc)	615	Frequency-Domain And Mesh-Independent Dynamic Response Analysis For Wave Spectral Fatigue Assessment Of Offshore Structures	Yu TAN	
134	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 11	Technical Session	B.2.1 Innovative Solutions for City in Nature with Water	1054	Shaping Water Innovation Ecosystems: A Systems Framework For Governance And Aquapreneurship	Pepe Puchol-Salort	Fang Yenn Teo
								1329	Assessing The Hydrological Performance Of Green Roof Experimental Trays Having Distinctive Configurations	Kilisimasi Latu	
								385	Water-Sensitive Urban Design - Innovative Climate Change Adaptation With Rain And Grey Water Management In The Research Project Resource:Mannheim, Germany	Jochen Hack	
								593	A City Re-Growing With Water: The Implementation Of Nature-Based Solution From Large- To Small-Scale	Yangyue Yu	
								314	Preliminary Assessment Of The Suitability And Effectiveness Of Nature-Based Solutions For Urban Flood Mitigation. Methodology, Tools And Application Cases	Eduardo Garc�a Alonso	
							B.2.2 Nature-based Solutions for Upstream Catchments and Small Streams	257	Assessment Of Natural Flood Management Schemes: Case Study Of Upper Weardale, Uk	Medha M	
135	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 12	Technical Session	A.6.4 Aquatic Ecology and Biological Surveys	967	Nitrogen Cycling And Microbial Dynamics In Singapore's Coastal Waters	Shuowang Lin	Jia Wang
								798	Mussel-Id: An Efficient Deep Learning Model For Target Detection Of Golden Mussel Larvae In Water Diversion Project	Xing Xuanwei	
								1052	The Morphological Characteristics Of The Fish Habitats Distributed At The Tongde Basin In Upper Yellow River	Chubin Weng	
								960	Pfas Shapes The Diversity Of Bacterioplankton In A Typical Freshwater Of Subtropical Monsoon Ecosystem	Muhammad Ibrahim	
							B.2.2 Nature-based Solutions for Upstream Catchments and Small Streams	678	Wake Characteristics In A Staggered Boulder Array	Yannick Marschall	
								1367	Operation Of Pilot-Scale Floating Wetland In The Treatment Of Micro-Polluted River Water	Rui Wang	
136	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 16	Technical Session	A.3.2 River Engineering and Management	914	Meandering Development Processes Of The River With Floodplain Vegetation Experimentally	Chang-Lae Jang	Umberto Alibrandi
								1231	Hydraulic Modeling And Sediment Transport For Flood Mitigation: Insights From Geremeas Basin (It)	Andrea Sulis	
								989	An Expression For Force Exerted By The Downflow On The Sediment Bed Using Lagrangian Coherent Structures	Murali Krishnamraju Kalidindi	
							A.1.6 Other Related Topics	269	Potential Reduction Of Non-Navigatble Ice-Blocked Season In The Great Lakes Due To Climate Warming	Haoran Shi	

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
							A.1.5 Reduction of Greenhouse Gas Emissions from Water Systems	668	Co2 And Ch4 Emissions Of The Upper Yellow River On The Tibetan Plateau: Freeze–Thaw Seasonal Variations And Environmental Controls	Chen Li	
							A.5.7 Other Related Topics	1204	Effect Of Wastewater Treatment Biological Reactor Geometry On Required Mixing Intensity	Ketan Madane	
137	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 16	Technical Session	B.1.1 Coastal Protection and Management	783	A Hybrid Structure to Reduce Wave Overtopping in Urban Coast of Jakarta	Matthijs Bos	Sarah Hiong
								726	Experimental Investigation Of Wave Overtopping On Hard And Nature-Based Coastal Structures	RABBANI RAEMEE	
								787	Dunefront Project: Demonstration Of Dune-Dike Hybrid Nature-Based Solutions	Zeger Sierens	
							B.1.1 Coastal Protection and Management	649	Selection Of Optimal Flood Protection Standard For Singapore's Coastline		
							A.1.6 Other Related Topics	975	Case Study Of Sustainable Downstream Storage For Coastal Area Water Supply		
138	27-Jun-2025	Friday	11:00 AM	12:30 PM	ROOM 17	Technical Session	A.5.2 Computational Methods for Climate and Meteorology	877	Automated Rainfall Data Generator For Continuous Modelling Of Stormwater Pollutants And Runoff		Davide Wüthrich
								1187	Evaluating The Effects Of Wastewater Management Strategies On Soil And Water Resources In Rural Terre Haute, Indiana, Usa		
								761	Discrete Wavelet Transform Approach To Identify Influential Time Scales In Temperature Trends Over The Cauvery River Basin, India		
								1100	Ranking Of Cmp6-Gcm For The Precipitation Variable Across The Brahmaputra Basin Of India		
								1230	Weather Research Forecast Modelling And Pseudo-Global Warming Technique For Projection Of Tropical Cyclones In South China Sea Impacting Hong Kong		
							A.3.10 Multi-objective Optimisation	765	Comparing Optimization Methodologies For Calibration Of 2d/3d Hydrodynamic Models		
							A.2.2 Hydraulic Structures and Processes	1215	FORM AND FRICTION DRAG COEFFICIENTS OF FINE SCREENS: STREAMLINED AND RECTANGULAR BAR PROFILES		
								201	Experimental Study of Local Scour Downstream of a Stilling Basin		
								1222	PARAMETER ESTIMATION AND IDENTIFIABILITY OF OXYGEN TRANSFER IN SELF-AERATED FLOWS		
							A.2.4 Sediment Transport and Bathymetrical Changes Assessment	520	Analysis and extension of streamflow and sediment load in the Jialing River Basin		

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
Poster Presentations	25-Jun-2025	Wednesday	1:00 PM	2:00 PM	ROOM 2	Technical Session	A.2.5 Forecasting and Warning	268	Monthly rainfall prediction model based on CONVLSTM2D		
								164	Flood Risk Investigation with Application of Low Impact Development Facilities in Urban Areas using Storm Water Management Model		
							A.2.6 Disaster Risk Reduction	1073	The Impact of Tributary Debris Flow on the Sediment Transport of Main River		
								747	Geospatial modelling - the nexus for climate induced hazard assessment and informed decision making for disaster risk reduction		
							A.3.1 Water Resources Management	738	Three-Water Integration and Co-Governance Strategy for Enhancing Agricultural Water Use Efficiency and Mitigating Non-Point Source Pollution		
Poster Presentations	25-Jun-2025	Wednesday	1:00 PM	2:00 PM	ROOM 3	Technical Session	A.3.2 River Engineering and Management	156	Estimating rainfall-runoff amounts based on cluster analysis of spatiotemporal rainfall distributions using long-term ensemble climate projection data		
							A.3.4 Urban Hydraulics	928	EVALUATION OF URBAN DRAINAGE SYSTEM AND ESTIMATE THE FLOOD INUNDATION AND RISK MAP USING PCSWMM IN KAMPUNG ALOR DILI TIMOR LESTE		
							A.3.4 Urban Hydraulics	638	WATER AND SEWAGE UTILITIES APPROACH TO WATER HAMMER. AN EVALUATION OF THE SWEDISH STATE OF KNOWLEDGE		
							A.3.9 Alternative Water Resources	370	ARTIFICIAL SPRINGS AS AN UNCONVENTIONAL WATER SOURCE AND AN ALTERNATIVE FOR RECLAMATION OF MINING ENVIRONMENTS		
							A.5.1 Artificial Intelligence (AI) Tools for Analysis and Decision Support under Certainities	1096	AI-DRIVEN IDENTIFICATION OF CYANOBACTERIA FOR ENHANCE WATER QUALITY MONITORING AND MANAGEMENT		
							A.5.1 Artificial Intelligence (AI) Tools for Analysis and Decision Support under Certainities	1256	AI ASSISTANT IN MARITIME TRAINING: A STUDY ON LLMS AND RAG APPLICATIONS		
							A.5.5 Data-Driven Methods and Machine Learning Techniques	1049	QUANTIFYING THE IMPACT OF THE INDUCING FACTORS OF FLASH FLOOD ACROSS THE HENGDUAN MOUNTAINS REGION, CHINA		
							A.5.6 Hydroinformatics and Big Data Analytics	1040	4K-Camera-derived Large multimodal model-based person-related utilisation analysis of riverine enviroment		
							A.6.2 Hydrological Measurements (Flow, Groundwater, Precipitation, etc.)	603	HYDRAULIC CHARACTERIZATION OF SEDIMENTARY AQUIFER SYSTEMS WITH DATA SCARCITY: A CASE STUDY OF THE MIDDLE MAGDALENA VALLEY, COLOMBIA.		
							A.6.4 Aquatic Ecology and Biological Surveys	793	iunraveling fish diversity and assembly patterns by edna metabarcoding in the yangtze river upstream nature reserve of rare and endemic fishes		
								1158	How do aquatic vegetation impact aquatic environments under varying hydraulic conditions? Identifying ecological indicators for best management practices in large-scale reservoir forebays		
							A.6.8 GIS Applications	1028	GIS-AIDED EVALUATIONS OF LAND-USE CHANGE AND CO2 EMISSION IN FUKUOKA, JAPAN		

41st IAHR World Congress
22 - 27 June 2025

Session ID	Session Date	Session Day	Session Start Time	Session End Time	Session Location	Speaker Type	Topic/ Theme (Session Title)	Abstract ID	Abstract Title	Presenting Author(s) Full Name	Session Chair Full Name
Poster Presentations	25-Jun-2025	Wednesday	1:00 PM	2:00 PM	ROOM 4	Technical Session	A.6.8 GIS Applications	1375	GEOSPATIAL SOLUTIONS FOR ENHANCED GROUNDWATER SECURITY: ADVANCING MANAGED AQUIFER RECHARGE IN A CHANGING ENVIRONMENT AND SOCIETY		
							B.1.1 Coastal Protection and Management	587	WAVE MITIGATION IN COASTAL PROTECTION: CFD ANALYSIS OF STEPPED AND PONTOON TYPES FLOATING BREAKWATERS		
							B.1.2 Flood and Droughts Management	439	APPLICATIONS OF DROUGHT INDICATORS FOR ANALYSIS OF WATER RESOURCES SCARCITY IN THE WARTA CATCHMENT IN POLAND		
								1206	Effects of bed erodibility on non-cohesive fluvial dike breaching induced by flow overtopping		
							B.2.5 Biodiversity in Aquatic Environments	157	CHANGES IN FISH COMMUNITIES IN NEWLY CONSTRUCTED LENTIC WATER AREAS CONNECTED TO THE YODO RIVER FOR RESTORATION		
								828	HYDRODYNAMICS ALTERS THE DIVERSITY, STRUCTURE AND ASSEMBLY PROCESS OF MACROINVERTEBRATES IN HIGH-ALTITUDE ALPINE RIVER NETWORKS		
CLOSING	27-Jun-2025	Friday	12:30 PM	1:00 PM	ROOM 1	CLOSING					