

The 14th IHE PhD Symposium – 2020

CEST	Wednesday, October 7th, 2020	
9:00 - 10:00	<u>Opening & Keynote</u>	
10:00 - 10:10	Break	
10:10 - 12:30	Parallel session I <u>Hazards and adaptive measures</u>	Parallel session II <u>Modelling, technology and data science</u>
12:30 - 13:30	Lunch break	
13:30 - 15:00	<u>Workshop : Mental Health in Academia</u>	
15:00 - 15:30	Break	
15:30 - 17:00	<u>Annual Management Meeting</u> <i>IHE Staff and Fellows</i>	

CEST	Thursday, October 8th, 2020		
9:00 - 10:00	<u>Opening & Keynote</u>		
10:00 - 10:10	Break		
10:10 - 12:30	Parallel session IIIa <u>Hydraulic and environmental engineering</u>	Parallel session IIIb <u>Water management and environmental sanitation</u>	Parallel session IV <u>Water governance and socio-economics</u>
12:30 - 13:30	Lunch break		
13:30 - 15:30	<u>Workshop : Introduction to Python</u>		
15:30 - 16:00	Break		
16:00 - 17:00	<u>Recap & Awards</u> <u>Drinks</u>		

➤ **Poster session**

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CEST	Wednesday, October 7th, 2020	
9:00 - 9:15	Opening Rector IHE Delft, Professor dr. ir. Eddy Moors	
9:15 - 10:00	Keynote speaker Professor dr. Joyeeta Gupta	
10:00 - 10:10	Break	
	Parallel session	
	Session I Hazards and adaptive measures	Session II Modelling, technology and data science
10:10 - 10:30	Flood attenuation and its ecological impact due to upstream dam construction, the case of Ribb Dam, Upper Blue Nile Basin, Ethiopia <u>Chalachew Abebe Mulatu</u>	Comparison of three alternative groundwater conceptual models of Beijing Plain, China <u>Sida Liu</u>
10:30 - 10:50	Mitigating impacts of fluvial and pluvial flooding of extreme events in the urban environment using an integrative catchment-based approach <u>Haojun Miao</u>	Crop planning in water constrained farming systems <u>Aniket Deo</u>
10:50 - 11:10	Stakeholders' opinions on enhancing benefits of Nature-based Solutions <u>Laddaporn Ruangpan</u>	Human and social Impact on the cropland, crop cover and flood plain in Dhidhessa River basin, Ethiopia <u>Meseret Dawit Teweldebrihan</u>
11:10 - 11:30	Challenges of applying hydrodynamic model to quantify health risks related to waterborne pathogens in urban floodwater <u>Nguyen Thi-Thao Huynh</u>	Exploring Artificial Intelligence (AI) for linking water resources and citizens through natural language processing <u>Freddy Santiago Duarte Prieto</u>
11:30 - 11:50	Combination of DEA-AHP-Express methods to identify highly vulnerable areas to flood <u>Parisa Firoozishahmirzadi</u>	Dynamics of Mangroves in Porong Delta based on UAV SfM Photogrammetry, Sentinel-1, Sentinel-2 and Landsat in Google Earth Engine <u>Sebrian Mirdeklis Beselly Putra</u>

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11:50 - 12:10	Spatio-temporal characterization of drought: data analysis, modelling, tracking and prediction <u>Vitali Díaz Mercado</u>	Evaluating the precipitation distribution using global precipitation products for Upper Indus Basin <u>Aftab Nazeer</u>
12:10 - 12:30	Evaluation of hydrological response to drought alleviation measures through mathematical and conceptual models; Case of study: Torola basin <u>Ana Maria Paez Trujillo</u>	Crowdsourcing for improved pluvial flood forecast and decision making in data-scarce regions <u>Adele Young</u>
12:30 - 13:30	Lunch break	
13:30 - 15:00	Workshop : Mental Health in Academia	
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CEST	Thursday, October 8th, 2020		
9:00 - 9:15	Opening Vice Rector IHE Delft, Professor dr. Charlotte de Fraiture		
9:15 - 10:00	Keynote speaker Professor dr. Peter Herman		
10:00 - 10:10	Break		
Parallel session			
	Session III a Hydraulic and environmental engineering	Session III b Water management and environmental sanitation	Session IV Water governance and socio-economics
10:10 - 10:30	Three-dimensional flow structures at side weirs <u>Ana Luisa Nunes de Alencar</u> <u>Osorio Castanon</u>	Assessment and management of health and quality risks for (waste)water reuse and resource recovery <u>Arianna Nativio</u>	Regime Evolution in the Nile River Basin and the Peaceful Settlement of Its Disputes: An Interdisciplinary Assessment of the Role of Law <u>Chukwuebuka Edum</u>
10:30 - 10:50	Spatial and Methodological Heterogeneity in River Metabolism <u>Anne Eileen Schechner</u>	Performance comparison of different types of constructed wetlands for steroidal hormones removal <u>Huma Ilyas</u>	Social-ecological models as transdisciplinary knowledge integrators for the futures we want <u>Dianneke van Wijk</u>
10:50 - 11:10	Geomorphic mapping relevant to nutrient retention in a large lowland river of Bangladesh <u>Md Ataul Gani</u>	A plant-wide modelling of pulp mill wastewater treatment plant in Uruguay <u>Silvia María Bentancur Caballero</u>	Water pluri-verse, or troubling ways of knowing water in a village in Maharashtra, India <u>Irene Leonardelli</u>
11:10 - 11:30	Turbidity currents triggered by water jets: from fluid mechanics experiments to sustainable engineering practice <u>Patricia Buffon</u>	Rationing of pulp mill wastewater discharge by mathematical modeling instruments <u>Mariia Stroganova</u>	Theorising water as a space of gender and caste in India: Empirical evidences from purulia district, West Bengal, India <u>Soma Sarkar</u>

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11:30 - 11:50	<p>Influence of upstream conditions on the formation of alternate gravel bars in the flume experiments</p> <p><u>Shashank Gupta</u></p>	<p>Chronicle of how urban farming and urban development have historically been related to each other in Maputo</p> <p><u>Natalia Reyes Tejada</u></p>
11:50 - 12:10	<p>Connectivity: A Framework for Interdisciplinary Collaboration on Transport Pathways in Coastal Environments</p> <p><u>Stuart Pearson</u></p>	
12:10 - 12:30	<p>A framework for citizen science and geo-information system for improving fluvial ecosystems monitoring in Latin-American tropical regions</p> <p><u>Enya Roseli Enriquez Brambila</u></p>	
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