

TOPIC OF INTEREST: HYDROLOGY (STUDY OF WATER)

Hydrology (study of Water):

- Hydrology (from Greek: "hýdōr" meaning "water" and "lógos" meaning "study") is the scientific study of the movement, distribution, and management of Water on Earth and other planets, including the water cycle, water resources, and environmental watershed sustainability.
- Hydrologists study earth or environmental science, civil or environmental engineering, and physical geography. Using various analytical methods and scientific techniques, to help solve water related problems such as environmental preservation, natural disasters, and water management.
- Hydrological research can inform environmental engineering, policy, and planning.

#DYK:

A small drip from a faucet can waste as much as 34 gallons or 128 liters of water a day.

#nisthfellows working in areas related to Water: Assoc Prof Chew Jia Wei, Assoc Prof Diganta Das, Prof Shane Snyder and Prof Stefan Wuertz

#nisthreads:

- [Assembly of three-dimensional ultralight poly \(amidoxime\)/graphene oxide nanoribbons aerogel for efficient removal of uranium \(VI\) from water samples](#) (Chew Jia Wei)
- [Hydrating Hyderabad: Rapid urbanisation, water scarcity and the difficulties and possibilities of human flourishing](#) (Diganta Das)
- [Degradation synergism between sonolysis and photocatalysis for organic pollutants with different hydrophobicity: A perspective of mechanism and application for high mineralization efficiency](#) (Shane Snyder)
- [Microbial abundance and community composition in biofilms on in-pipe sensors in a drinking water distribution system](#) (Stefan Wuertz)

More details on our social media platforms this week:



NISTH EVENTS

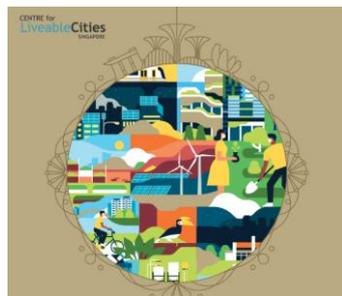
5 July 2021; 4:00 PM – 5:00 PM

NISTH ThinkOut: Citizen Participation for Smart City Governance, is jointly organised by NISTH and the DesignLab, at the University of Twente (UT), Netherlands. Prof Peter-Paul Verbeek and Dr Sabine E. Wildevuur, will bring the Netherlands perspective while Dr Natalie Pang (UNESCO Inclusive Lab) and **NISTH Fellow, Assoc Prof Hallam Stevens, NTU** will share their views from the Singapore standpoint. Moderated by **NISTH Director, Prof Vanessa Evers**, the panel will investigate how citizen science and policy-making could come together. How to develop such ecosystems? What are conditions and enablers? And, how to learn from intercultural differences?

More details at: [Here](#)



EVENTS WITH NISTH FELLOWS



21 – 23 June 2021; Free Registration from: 15 April 2021

The World Cities Summit 2021 (WCS) is held in conjunction with the [Singapore International Water Week](#) and the [CleanEnviro Summit Singapore](#). WCS is an exclusive platform for government leaders and industry experts to address liveable and sustainable city challenges, share integrated urban solutions and forge new partnerships. **NISTH International Advisory Board Chairman, Mr Peter Ho** (Chairman, Urban Redevelopment Authority, Singapore) will be speaking at the event.

More info at: [Here](#)



22 June 2021; 3:00 PM – 6:15 PM

LKCMedicine-Imperial College London Joint Workshop on the Health Consequences of Air Pollution, will bring together experts in the field to discuss air pollution and its impact. **NISTH Fellow, Assistant Professor Sanjay Chotirmall** will be moderating the roundtable session, that discusses the 'Air quality in the post-COVID-19 era and also explores strategic areas of NTU-ICL collaboration.

Register: [Here](#)



22 June 2021; 7:30 PM – 9:00 PM

World Artificial Intelligence Conference (WAIC) 2021 International Webinar: Co-Shaping our Sustainable Future with AI, is organised by EBLIS (Donghao Lansheng) Group Co. Ltd and Artificial Intelligence International Institute (AIII). It will bring an international panel of experts from all over the world to share and have an open dialogue on how to co-shape our sustainable future with AI. This could include topics from next generation AI design, ethical use of AI with necessary risk management practices and regulatory policies to accelerated use of AI to solve existential crisis for climate change. **NISTH Fellow, Professor Ong Yew Soon** will be part of the esteemed panel.

Register: [Here](#)

OTHER EVENTS



21 June – 2 July 2021; Ticketed event

Singapore International Water Week, will allow global leaders, experts and practitioners to connect, share and learn from each other in a safe environment. This virtual event will feature close to 100 keynotes, thematic webinars, technology showcases, workshops on best practices and solutions spanning the urban water cycle and a virtual expo featuring over 100 exhibitors with the latest cutting-edge solutions and technologies, product and technology showcases. There will also be on-demand content and networking opportunities for knowledge sharing, learning and exchange.

More details : [Here](#)



8 – 9 July 2021; 1:00 PM – 6:00 PM

Nestlé –Singapore workshop on plant-based ingredients
Applications deadline: 21 June 2021

Nestlé invites researchers to participate in a scientific workshop to scope research projects relating to plant-based ingredients. The workshop objectives are, to accelerate innovation and renovation of Nestlé products for Asian consumers (ASEAN-focused) using novel plant and microbial-based ingredients & to source innovative solutions from public research performers under the Nestlé

More details at: [Here](#)



10 September 2021; Applications deadline: 25 July 2021

Falling Walls Lab, is a platform to pitch innovative ideas in just 3 minutes, showcasing breakthrough that creates a positive impact on science and society. Open to all students, entrepreneurs, early-career researchers & academics of all disciplines. To apply go to <https://falling-walls.com/lab/apply>

More details at: [Here](#)

GRANT / CHALLENGE CALLS

For assistance in identifying research partners, email us at NISTH-research@ntu.edu.sg



Abu Dhabi – Singapore Smart Cities Open Innovation Challenge 2021
Applications deadline: 29 July 2021, 4.00pm

This challenge is co-organised by Enterprise Singapore, Abu Dhabi Investment Office and IPI on six challenge statements from the Middle East. It brings together some of Abu Dhabi's esteemed organisations to collaborate with innovative startups and SMEs in Singapore. It invite you to showcase your innovative smart city solutions.

More details at: <https://www.eventbrite.sg/e/abu-dhabi-singapore-smart-cities-open-innovation-challenge-2021-tickets-151755844817?aff=IPI>

Email us at nisth-events@ntu.edu.sg; Website: www.nisth.ntu.edu.sg