



Water at the Centre

KTH on-line Conference 3 December, 2020



**Speed talk presentations at the Science Fountain 10.15 - 11.00**

PROGRAM

**Session A: Transforming water infrastructure**

Zoom-link to digital session A: <https://kth-se.zoom.us/j/67814477023>

*This session looks at how large scale infrastructure is changing and re-interpreted as it fuses with other technologies, ideas and sciences. Are the critical socio-technical systems for water headed towards a major transformation, and what can potentially be gained or lost in that process?*

Per Högselius	The Nuclear-Water Nexus
Amelie Bennich	Digital water? The digital transformation of the water sector
Katarina Larsen	Co-creation of exhibition on water, augmented art and nature-city relations
Merve Atasoy	Bio-based volatile fatty acids production from waste streams
Timos Karpouzoglou	Winners and losers during water infrastructure transition
Farzin Golzar	Forecasting Wastewater Temperature Based on Artificial Neural Network (ANN) Technique
Carlo Fischione*	Machine Learning over IoT for water monitoring

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\* session host

## Session B: Healthy, safe and inclusive

Zoom-link to digital session B: <https://kth-se.zoom.us/j/62651455490>

*Water is a prerequisite for life - but is also associated with hazards like flooding, water-borne diseases and social and ecological injustices. Here we learn from researchers exploring water management in crucial aspects of health, safety and inclusiveness.*

Luigia Brandimarte	Flood risk reduction: watch out for unintended consequences
Alicia Gutting	What is Good Drinking Water? Supplying Drinking Water in the Vicinity of a Nuclear Research Centre
Ingegerd Rosborg	Desalinated water and health
Prosun Bhattacharya	Developing Private Sector Capacity for Systems Strengthening for Safe Drinking Water Access
David Nilsson	How ambidextrous innovation helps achieving water and sanitation for all
Joseph Mulligan	Flood Resilience in Slums: Community Responsive Adaptation in Kibera, Nairobi
Fredrik Gröndahl*	Healthy food from healthy oceans

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## Session C: New horizons for water

Zoom-link to digital session C: <https://kth-se.zoom.us/j/61870207654>

*Water is unstoppable - and so is curiosity. In this session we explore new and unconventional approaches to how to think, work with, make use of, and take care of our most precious resource.*

Cecilia Åsberg	Oceanic Humanities
Jean-Baptiste Thomas	Blue-growth and marine biomass utilisation for circular N and P flows in Sweden: circular blue-green bioeconomies
Jakob Kutteneuler	Oceanbird - The start of a new sailing era
Ulrica Edlund	Mistra TerraClean – clean air and water
Johan Nordstrand	Enhancing Supercapacitor Water Purification with Artificial Intelligence
Jörgen Wallin	Why you should shower in your neighbour's wastewater
María Isabel Alvarado Ávila	Decentralized Hypochlorite production for water treatment
Zeynep Cetecioglu Guroi*	Seeking SARS-CoV-2 trace in sewage system

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\* session host