

12th Annual Water Research conference of DWF, 30 January 2018

Welcome to the 12th annual water research conference. It is a pleasure to invite you to the conference, where more than 35 papers and 6 posters will be presented, providing us with the latest technologies, studies and applications.

Practicalities

The conference is held at DTU, Lyngby, Denmark and you are requested to sign up. Find link to the sign-up procedures on www.danishwaterforum.dk

Awards

Awards will be given to the best presentations and for new ground-breaking research. The two awards are kindly sponsored by Grundfos and NIRAS, who will also hand over the awards.



REMEMBER drinks and networking from 17.30 – 18.00...

Program

Time	PLENUM
VENUE	GLASSALEN
09.00	Opening for registration
09.30	Opening speech by Hans-Martin Friis Møller, chairman of DWF
09.45	Key-note 1: Introduction to WssTP and its water vision. The new Innovation pillar bringing research results and innovative solutions to the market / Durk Krol, WssTP
10.05	Denmark in WssTP and how to utilize the Danish presence / Jens Primum, BIOFOS
10.15	Key-note 2: Funding agencies as a vehicle for commercialization of research findings – does it go in the right direction? Anitha Sharma, Innovationsfonden
10.30	Coffee break / Posters / Find your next session

Session 1. Research and commercialization, Chair Hans-Martin Friis Møller, Kalundborg Forsyning	
VENUE	GLASSALEN
10.45	Creating spin-outs and doing research in the tension field between the research world, the commercial world, and the funding agencies / Esben Auken
11.00	How do water supply companies as key end users of new technologies and solutions push for innovations and entrepreneurship within the research community / Inge Jensen, Aarhus Vand
11.15	Applied Biomimetic A/S og AAU. How to stimulate entrepreneurship and combine public research with commercialization / Henrik Tækker Madsen, Applied Biomimetic A/S og AAU.
11.30	Small scale commercial spin-out from science – how to float after 10 years of personal experience with two companies and one patent product put in production / Carsten Suhr Jacobsen, AU.
11.45	Navigating in Oceans Red and Blue / Claus Helix-Nielsen, DTU
12.00	Analysis of the drivers, incentives and barriers for valorisation of within European research communities in EU / Bart Jeroen Bierens, Department for international research and innovation, in the Dutch Ministry of Economic Affairs / Water JPI/IC4WATER.
12.15	Panel discussion
12.30	LUNCH BREAK / Posters

Session 2. Monitoring, new technologies. Chair Esben Auken, Aarhus University	
VENUE	GLASSALEN
13.30	Stream measurements as a basis for emission based nitrogen regulation - investigating the importance of different sampling strategies for the determination of nitrogen transport in streams /Sofie G. W. van't Veen
13.45	Metagenomic analysis to elucidate the metabolic potential of microbial communities in Danish waterworks / Jane Fowler
14.00	Monitoring Riverscapes with Unmanned Airborne Vehicles / Filippo Bandini
14.15	A new towed groundbased TEM system for 3D imaging of hydrogeological structures / Jesper B. Pedersen
14.30	Cross-borehole time domain induced polarization used for mapping of flowpaths / Thue Bording
14.45	Diagnostics, Monitoring and Mitigation of N ₂ O Emissions from Wastewater Treatment Operations – Outcomes of the LAGAS project / Marlene Mark Jensen
15.00	Coffee break / Posters

Session 3. Water treatment / Chair; Hans-Jørgen Albrechtsen, DTU Env.	
VENUE	GLASSALEN
15.30	Removal of frequently found pesticides from Danish drinking water using NF/RO membranes. / Mahdi Nikbakht Fini
15.45	Combined membrane and bio-filter purification of pesticide contaminated drinking water / Lea Ellegaard-Jensen
16.00	Methane oxidation and the degradation potential of the herbicide bentazone at Danish waterworks / Mathilde J. Hedegaard
16.15	New biotechnology for pesticide removal at drinking water sand filters / Sanin Musovic
16.30	Removal of persistent ozonation products with moving bed biofilm reactors (MBBR) / Kai Bester
16.45	New innovative Moving Bed Biofilm Reactor (MBBR) concept removes pharmaceutical from municipal wastewater using only biological polishing / Caroline Kragelund Rickers
17.00	The Residuals to Resource project – Water innovation for the Circular Economy from an SME perspective / Maj Munch Andersen

Session 4. Utilities - processes, emissions and mitigation, Chair Ole Mark, DHI	
VENUE	ROOM S01
10.45	Use of Forward Osmosis to Harvest Methane Oxidizing Bacteria Producing Single Cell Protein / Borja Valverde-Pérez
11.00	Experiences Mitigating Nitrous Oxide Emissions from a Full-Scale Sidestream Deammonification reactor / Nerea Uri Carreño
11.15	Where does N ₂ O from Partial Nitritation-Anammox processes come from? / Jan-Michael Blum
11.30	Model-based optimization of the energy recovery in an industrial wastewater treatment plant / Hannah Feldman
11.45	Evaluating energy recovery potential in Murcia's water supply system / Antonio Viguera-Rodríguez
12.00	Optimizing the benefits from drinking water softening by better calculating the calcium carbonate precipitation potential - CCPP. / Camilla Tang
12.15	Measuring the effects of central softening of drinking water in households and industries in Brøndby. / Berit Godskesen
12.30	LUNCH BREAK / Posters

	Session 5. Stormwater, flooding, forecasting and climate adaption. Chair Anders Refsgaard, COWI
VENUE	ROOM S01
13.30	Script based groundwater modelling for increased model flexibility and improved analysis / Troels.N. Vilhelmsen
13.45	A Typology for Climate Change Adaptation: Event Magnitudes, Spatial Scale and Goals. / Herle M. Madsen
14.00	Explorative analysis of thirteen years of radar rainfall data. / Emma D. Thomassen
14.15	Assessing spatial correlations of sea surges around Copenhagen / Stylianos Georgiadis
14.30	Combining seasonal forecasting of meteorology and hydrology – case studies / Mike Butts
14.45	Safe recreational lake water / Michelle L. Rebsdorf
15.00	Coffee break / Posters

	Session 6. Water efficiency /Industrial water. Chair Jørn Rasmussen, DHI
VENUE	ROOM S01
15.30	Introduction to the DRIP project; Chair; Jørn Rasmussen, DHI
15.45	Opportunities for increased water efficiency in Danish food processing industry / Martin Andersen
16.00	Industrial cleaning-in-place processes in brewery – a systematic mapping study / Jifang Yang
16.15	Reuse of water in Danish pork slaughterhouses / Karen Sørensen
16.30	Eco-efficiency of introducing water efficiency at the chicken feet processing line at the chicken slaughtering house HK Scan in Vinderup Denmark / Berit Godskesen
16.45	Risk Assessment of natural carcinogenic compounds from Bracken fern plants in surface waters with LC/MS / Vaidotas Kisielius
17.00	Stone wool based filter technology for treatment of rainwater in densely populated urban areas / Dorthe Lybye

17.30	Drinks and Awards GLASSALEN
18.00	Dinner (only on registration)

POSTERS

Commercialization of pellet method softening / K.P Kowalski
Turning floods into resources: on-site water treatment and storage with treatment trench / Kenneth Kristensen
From wastewater to fertilizing water- pilot scale operation / Sabine Lindholst
Proposal of a procedure to asses Pollutographs. Application to Murcia's Combined Sewer Overflows (CSOs). / Antonio Viguera-Rodríguez
Impacts of design configuration on the functionality of the microbial community and ibuprofen removal of constructed wetlands / Pedro Carvalho
Monitoring and removal of natural toxins in groundwater from catchment scale to tap water / Natasa Skrbic
Biofouling of membranes: filamentous yeasts - an overlooked factor? / Erini Vitzilaiou

Internet:

dtuguest

dtuguest er et "åbent" netværk, hvor man som gæst eller ekstern selv kan oprette sig en internetforbindelse.

Man bliver præsenteret for en loginside, hvor man skal indtaste sin virksomheds-mailadresse.

Man får så 10 minutters internetadgang, så man kan gå ind og bekræfte sin mailadresse, ved at trykke på et link i mailen. Herefter har man adgang til internettet resten af dagen.

