

NORDIWA 2015  
Nordic Wastewater Conference

# NORDIWA 2015

promoting the  
exchange of  
experience, knowledge  
and skills between the  
practitioners and  
scientists within  
wastewater  
management and  
technology

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Bergen, Norway  
November 4th-6th 2015

**Poster list**

# Posters

A Joint effort against misconnections

Benny Nielsen

A resource efficient waste water treatment plant adapted to urban surroundings

Robert Hansson

Aerobic granular sludge treatment in Strömstad

Mark de Blois

Anticipating the impact of mainstream deammonification through advanced process simulation

Søren Eriksen

Application of membrane filtration in combination with municipal anaerobic digesters

Jeanette Agertved Madsen

Benchmarking three different control strategies for hydrogen sulfide abatement in pressure mains

Bruno Kiilerich

Biological removal of pharmaceuticals in Sequencing Batch Reactors and Membrane Bioreactors under low temperature conditions

Antonina Kruglova

Calcium carbonate powders as alkalization chemicals in nitrogen removal

Anne-Mari Aurora & Anna Mikola

Centralized treatment of municipal wastewater sludge with co-digestion - The new Biogas plant in Bergen, Norway

Linda Kanders

Citizen involvement - a new challenge and opportunity in water management

Anja Wejs

Climate adaptation in connection with separate sewer systems

Michael Glerup Jørgensen and Kasper Førby Laden

## Climate adaptation of Gothenburg

Henrik Thorén

## Compact wastewater treatment - implications on biogas production

Åsa Davidsson

## Considerations for removal of micro pollutants at Swedish Wastewater Treatment Plants

Michael Cimbritz

## Cost benefit analysis as a tool to define a service level for climate change adaptation in the case of Horsedammen, Brøndby

Jens Christian Riise

## Development of a baseline for ESCO financing of energy at wastewater treatment plants

Jeanette A. Madsen

## eco:P - innovative struvite extraction technology

Gunnar Thelin

## Economic analysis of source control systems for blackwater, grey water and food waste in urban areas

Hames Kjerstadius

## Extended Retention Time in full scale anaerobic digestion at Himmerfjärden WWTP

Maximilian Lüdtkke

## Failure of a pressure main by lack of risk assessment, a case

Guðmundur Andrésson

## From Rowboat to Robot

Steinar Skogbrott

## Guidelines for purchasing, designing and optimization of MBR processes

Ilari Lignell

## Handling of the utilities data - from the CCTV-inspection to the actual renewable project

Peter Hjortdal

## How can chemistry contribute to sustainable municipal water treatment

Bengt Hansen

## Hydrogen sulfide reduction by stripping in a pre-chamber

Tore Strandberg, Per Hedmark

## Hydrothermal carbonization (HTC) as a sludge valorisation technology

Mona Arnold

Improvement of quality of sewerage and drainage renovations

Aino Pelto-Huikko

Improving retention of DOM in engineered filter soils with Al coated sand

Karin Cederkvist

Inducing Biomass Granulation through Hydrocyclones to Achieve BNR  
Process Improvements

Per Henrik Nielsen

Integrated wastewater catchment modelling and planning in Odense

Per Hallager

Low Energy and No External Carbon Nitrogen Removal Using Optimized  
Process Control Strategies

Carsten Steen

Mainstream deammonification with ANITAMox process

Magnus Christensson

Mapping of Heavy Metal and Organic Pollutant Sources into VEAS WWTP

Pia Ryrfors

MBBR versus optimised hybrid MBBR-activated sludge process for  
pharmaceutical biodegradation of hospital wastewater

Jeanette M. Andersen

MBR experience on full-scale plants, research results and trends in future  
developments

Nicolas Heinen

Method for preventing metals from reaching the WWTP when flushing  
sewers with contaminated sediments

Emma Lilliesköld

Methodology for assessing future investment need in Norwegian  
wastewater networks

Stian Bruaset

Modelling Chemically Enhanced Primary Settlers for Resource Recovery  
Purposes

Emma Lundin

Modelling framework of simulating every day storm water sewers and  
cloudburst green area runoff

Søren Højmark Rasmussen, Rasmus Lucas Høj Winther, and Mads Uggerby

Modelling the effects of the joint occurrence of rainfall and snowmelt in  
urban catchments

Günther Leonhardt

## Modelling the interaction between privately owned SUDS and a terrain-based drainage system

Rasmus Lucas Høj Winther, Søren HøjMark Rasmussen, and Mads Uggerby

## Monitoring and control of urban water systems for future secure management

Marinette Hagman

## Monitoring of sludge quality and gas production - a software tool

Jannice Örnmark, Josefin Flodgren

## Multidisciplinary climate change adaptation in urban areas

Sonia Sørensen

## New concepts for wastewater treatment and utilization developed by The Warm and Clean City

Markus Paulsson

## New Digesters at WWTP Lynetten

Thomas Jensen

## New innovative MBR technology used for upgrading small decentralized wastewater treatment plant in Norway

Anne Barslund

## New roads for stormwater management

Simon Toft Ingvertsen, Lars Ladehoff, Julie Linke Bank, and Mads Uggerby

## Online control that grows by visionary operators

Mai Sørud

## Open floodways in urban areas

Jon Røstum, PhD

## Open Format Data in Sewer Modeling - Case HSY

Anssi Yrjölä

## Optimisation of aeration energy consumption and nitrogen removal at Turku Kakolanmäki WWTP

Pekka Vieno

## Optimization Strategies for Ejby Mølle WWTP, Denmark

Mads Leth

## Optimizing Nutrient Removal and Resource Efficiency at Suomenoja WWTP

Paula Lindell

## Positive energy balance at Käppala wastewater treatment plant - just the beginning

Maximilian Lüdtke

Recycling phosphorus is not only a matter of solubility.

Outi Grönfors

Start-up of Anaerobic MBR on low-strength industrial wastewater at 25 °C

Hamse Kjerstadius

Stockholm's Future Wastewater Treatment, Building the World's largest MBR-plant

Niklas Dahlén and Jonas Grundestam

Strategic work to combat inflow and infiltration: a case study at HSY, Finland

Tiia Lampola

Studies on the implementation of a MBR process at the Henriksdal wastewater treatment plant

Klara Westling

Sustainable wastewater treatment plants - Mainstream deammonification using EssDe® technology

Mariann Sæbø

Technology to meet new challenges in sewage treatment

Aleksandra Lazic and Arne Wieland

The first full-scale anammox plant in Norway - at Bekkelaget Renseanlegg, Oslo

Linda Kanders

The Socioeconomic Evaluation of Clean Water

Ander Finsson and Peter Sörngård

Three unique MBBR application for pretreated wastewater

Mark de Blois

Towards better practices for the detection of stormwater contamination by wastewater

Oleksandr Panasiuk

Understand your workhorses with new and powerful microbial analysis - a fast way to diagnose, troubleshoot, monitor and optimise process tank biology

Aviaja Anna Hansen

Use of fiberoptic cables in the sewage to detect illicit connections

Jan Scheel

Use of organic coagulants to increase primary sludge production and reduce the load on downstream biological nutrient removal (BNR) processes

Bjarne Paulsrud

Using social media in climate adaptation projects

Mads Uhherby