

1st IWA Young Water Professionals Conference in Germany

“ADVANCED WASTEWATER TREATMENT AND WATER REUSE – THE FUTURE IS NOW”

11th June 2014 Essen, Germany

PROGRAMME

8:00	9:00	Registration
NUTRIENT REMOVAL (I) Chair: Despina Athanasiadou Julian Mamo <div style="text-align: right;">[Glaspavillon, University of Duisburg-Essen]</div>		
9:00	9:20	S. E. Vlaeminck - Ghent University, Laboratory of Microbial Ecology and Technology (LabMET) - Belgium: Denitrification is ‘hot’: Demonstration of potential advantages of thermophilic vs. mesophilic denitrifying sludge
9:20	9:40	P. Wunderlin - Eawag - Switzerland: Online N₂O Measurement: The Next Standard for Controlling Biological Ammonia Oxidation?
9:40	10:00	B. Vogel - Leibniz University Hannover, Institute for Water Quality and Waste Management (ISAH) - Germany: Determination of Nitrous Oxide Formation Rate during the Nitritation Process in Lab- and Full-scale
10:00	10:20	Coffee Break
NUTRIENT REMOVAL (II) AND EFFLUENT DISINFECTION Chair: Yvonne Schneider Klaus Nelting <div style="text-align: right;">[Glaspavillon, University of Duisburg-Essen]</div>		
10:20	10:40	D. Sobotka - Gdansk University of Technology, Civil and Environmental Engineering-Poland: Mathematical modelling of two-step nitrification-denitrification for treatment of sludge digester liquors: influence of nitrite (NO₂-N) on the process kinetics
10:40	11:00	K. Alfes - Ruhr-University Bochum, Institute of Urban Water Management and Environmental Engineering - Germany: Imaged-Based and Microbiological Analyzes of Sand and Biochar as Filter Material for Wastewater Treatment
11:00	11:20	K. Schneider - Leibniz University Hannover, Institute for Water Quality and Waste Management (ISAH) - Germany: The fate of viruses in an activated sludge system
11:20	11:40	P. Kowal - Gdansk University of Technology, Civil and Environmental Engineering-Poland: Dynamics of the microbial community composition in a full-scale activated sludge system with carbon augmentation
11:40	13:00	Lunch Break

REMOVAL OF MICROPOLLUTANTS

Chair: Despina Athanasiadou
Christian Loderer

[Glaspavillon, University of Duisburg-Essen]

13:00	13:20	K. S. Jewell - Federal Institute of Hydrology - Germany: Biotic and abiotic transformations of the antibiotic trimethoprim in anaerobic, activated sludge
13:20	13:40	J. Mamo - Lequia - Spain: Fate of PhACs and their transformation products in MBR+RO and MBR+NF
13:40	14:00	M. Chys - LIWET, Department of Industrial Biological Sciences, Ghent University - Belgium: UV-VIS spectral analysis as a key process tool for removal of pharmaceuticals from secondary effluent by ozonation
14:00	14:20	Coffee Break
14:20	14:40	B. Manu - Department of Civil Engineering, NITK - India: Photo-Fenton degradation of Paracetamol - Evaluation of Iron Extracted from Laterite Soil as Catalyst
14:40	15:00	G. Fehling - Gelsenwasser AG - Germany: Possibilities and Limitations of Advanced Treatment Steps in Municipal Wastewater Treatment Facilities for Elimination of Micropollutants - Feasibility Studies at Wastewater Treatment Facilities in Germany
15:00	15:20	D. Mousel – RWTH Aachen University, Institut für Siedlungswasserwirtschaft (ISA) - Germany: Energy demand for micropollutant removal in municipal wastewater treatment plants
15:20	15:45	Coffee Break

INTERACTIVE SESSION

Chair: Anna Abels
Klaus Nelting

[Glaspavillon, University of Duisburg-Essen]

15:45	17:15	Interactive Session
-------	-------	----------------------------

BEST PRESENTATION AWARD, DINNER AND PARTY

[Berne Park]

19:00	19:30	Best Presentation Award sponsored by “Casper Ludwig Opländer Stiftung” (WILO)
20:00	open end	Dinner and Party