

Wednesday - 5/07		Thursday - 6/07			Friday - 7/07		
Start time	Start time	E1.012	E2.009	E1.015	Start time	E1.012	E2.009
08:00	08:00	Conference Registration			08:00	Synergetic effect of combined fundamental and applied research illustrated with some case studies at the Monsanto WWTP Dr. Bart Peeters, Monsanto Europe	
	08:30	Recovery of water vapor for drinking water and reuse Prof. Dr. Kitty Nijmeijer, TU Eindhoven			08:30	Membrane Technology	Physicochemical Technologies
	09:00	Micropollutants Technical and economic assessment of real-time control strategies for micropollutant removal by ozonation at pilot-scale	Membranes & Organics Selective separation of complex organic-inorganic waste streams by ion-exchange membranes	N-Technology Cool conditions for mainstream anammox applications: short and long term temperature effects	09:00	Understanding the role of the support structure on FO performance	Advanced oxidative treatment for waste water contaminated by pharmaceutical products
	09:20	Electrochemical oxidation of hardly biodegradable pharmaceuticals in water: effect of supporting electrolyte and by-products identification	Understanding diffusion of organic compounds in ion exchange membranes	Hot or not? Interactions of sulphide in municipal wastewater after anaerobic pre-treatment with AOB enrichment and mixed nitrifying culture	09:20	Stimuli-responsive biohybrid membrane reactors in sustainable water production and biovalorization	Evolution of sludge internal structure during drying: effect of the conditioning conditions
	09:40	Leaching of micropollutants from building envelopes to rainwater runoff	Fouling control of ceramic nanofiltration membranes	Enabling partial nitrification/anammox on pre-treated sewage with IFAS: Aeration and flocc SRT control strategies limit nitrate production	09:40	Chemical stability of membranes in water treatment industry: electrochemical approach	Natural flocculants from fresh and saline wastewaters
	10:00	6x Flash presentations	Treatment and valorisation of waste water from the regeneration process of ion exchange for natural organic matter removal	6x Flash presentations	10:00	Pilot-scale chlorination of BW30 TFC membranes and their physico-chemical characterization	Use of spectral and chemometric methods to understand dissolved organic matter removal during physical chemical treatment of landfill leachate.
	10:30	Coffee break			10:30	Coffee break	
	11:00	Integrated Water Management Water balance simulation of the urban surface supported by remote sensing	Anaerobic Microbiology - VFA Biological production of caproate from whey in an up-flow anaerobic sludge blanket reactor	Nutrient Removal & Re-Use K-struvite and co-precipitation from human urine: measurements, influencing factors and modelling	11:00	Professional Development Workshops	
	11:20	Methodology for flood mapping using aerial photography after the passage of Hurricane Matthew in Haiti	Kinetic model of hexanoic acid production by <i>Clostridium kluyveri</i> shows product toxicity even at neutral pH	Water Treatment Unit Breadboard: Ground test facility for the recycling of urine and shower water for one astronaut		4) Birds of a feather flock together 5) Doctors Without Borders on the field 6) From scientist to entrepreneur in 5 steps 7) The usefulness of modelling illustrated	
	11:40	Assessment of intangible losses in flood damage calculations: extending LATIS	Towards upgrading of wastewater resources to microbial protein: Volatile fatty acids impacting growth kinetics and yield of purple bacteria	Biological nutrient removal by aerobic nitrite granules treating slaughterhouse wastewater		<i>For details & registration see www.ywpbenelux.org</i>	
	12:00	4x Flash presentations	4x Flash presentations		12:30	LUNCH	
	12:30	LUNCH				LUNCH	
	13:30	Bridging the gap between academia and industry in the water sector: challenges and opportunities Dr. Rob Van den Broeck, Aaqu IntelSens – Reducing operational costs by integrating online measurements in industrial waste water treatment Riet Cornelissen, TNAV			13:30	Decentral Urban Wastewater Treatment with Energy and Nutrient recovery at the 'Nieuwe Dokken' in Ghent Lieven Demolder, Clean Energy Innovative Projects	
	14:00	Industrial Intermezzo by Dow			14:00	Drinking Water As(III) oxidation by MnO ₂ during groundwater treatment	Electrochemical Technologies Characterization of single activated carbon granules for their application in bio-anodes.
	14:10	Water policy: do research results matter Victor Dries, Advisor Environment to Viceminister-President of Flanders			14:20	Development of arsenic and iron screening tool based on shallow drinking water tube-well platform colour	Electrochemical sanitation: anodic and cathodic electrolysis to treat septic tank effluent in Goa, India & Ghent, Belgium
	14:40	Professional Development Workshops 1) Open & reproducible research 2) Never trust your brain! 3) Design of experiments <i>For details & registration see www.ywpbenelux.org</i>			14:40	Application of hydraulic and chemical models in plant-wide water quality monitoring & control of drinking water treatment plants	Desalination with preferential removal of divalent cations in polymer-flood produced water through electrodialysis
	16:00	Conference registration			15:00	Selective Bromide Removal from Water using Silver-Impregnated Activated Carbon	Electrochemical anion removal and softening of tap water
	16:40	Coffee break			15:30	Closing session + awards	
	17:00	Industrial Applications Automating the raw data to model input process: an open Python™ package	Anaerobic Microbiology - AD Food waste as substrate to obtain two different enriched microbiomes for model development	Mathematics & Modelling Towards a mitigation strategy for N ₂ O emissions through Principal Components Analysis	Detailed information on speakers, affiliation, rooms etc. can be found in the program list		
	17:20	Innovative solutions for reuse of water, recovery of valuables and resource efficiency in urban wastewater treatment: 7 case studies	Cofactor F430 content as a potential biomarker for methanogenic activity: application to an anaerobic membrane bioreactor system	A model with spatial dependence for reverse osmosis: global sensitivity analysis			
	17:45	Opening reception	Comparison of physicochemical treatment techniques for the treatment of landfill leachate at pilot scale	Towards sustainable treatment of lipid-rich wastewaters: novel engineering and microbiological advancements for anaerobic digestion systems.			
	18:00	Poster session + walking dinner					
	18:30	Evening meal: Traditional Belgian Snacks					
	19:30 -	Evening activity: 'the water quiz' + local beer tasting					
	20:00	Evening walk through Ghent + YWP Party					

Legend
Registration
Speech
Plenary Keynote speaker in main lecture hall [Oehoe]
Session
Speaker: 15 min talk + 5 min Q&A
Flash Presentation: 3 min talk
Poster session
Professional development workshop
Industrial talks
Coffee break
Lunch
Social activity