18th EWA International Symposium
Session Area 1
Registration not necessary, attendance free of charge, conference languages: German/English simultaneous

Wednesday, 1st June 2016

Session 1: Occurrence of Micro-Pollutants
Chairman: Dr.-Ing. Fabio Tatàno, University of Urbino “Carlo Bo” (Italy)

09:30 Welcome and Introduction
Károly Kovács, EWA President, Hungary
Fabio Tatàno, EWA-ETSC Chairman

09:50 Organic pollutants in drinking water as a consequence of ammonium ion removal
Sonia Al Heboos, Budapest University of Technology and Economics, Hungary

10:10 Fate of cocaine drug biomarkers in sewer system: the role of suspended solids in biotransformation and sorption
Pedram Ramin, Technical University Denmark, Denmark

10:30 Surfactants in urban effluents: comparison between domestic and clinical discharges
Alexandre Bergé, Institut des Sciences Analytiques, France

10:50 Impact of pharmaceuticals discharges on the receiving environment: a two years monitoring results
Laure Wiest, Institut des Sciences Analytiques, France

11:10 End of session

Session 2: Analytics for Micro-Pollutants
Chairman: Prof. Dr.-Ing. Jörg Londong, Bauhaus-University of Weimar (Germany)

11:40 Control of activated carbon by online TOC measurements
Dr. Werner Arts, LAR Process Analysers AG, Germany

12:00 The contribution of analytical and chemometric tools for the performance assessment of several wastewater treatment technologies including ozonation
Agneta Kiss, Institut des Sciences Analytiques, France

12:20 Quantification of emerging micro-pollutants in an amphipod crustacean by nanoliquid chromatography coupled with mass spectrometry in MRM3 mode
Martin Sordet, Institut des Sciences Analytiques, France

12:40 Development of analytical methods to study the fate of diclofenac in a contaminated model ecosystem: analysis in bivalve, fish and watercress
Daniele Gaëlle, Institut des Sciences Analytiques, France

13:00 End of session

14:00 – 16:00 SPECIAL:
EWA Symposium: Applying Life Cycle Costing (LCC) in public procurement procedures of water infrastructure
Presentation language: English
Location: Room B 13, above Hall B 1

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Thursday, 2\textsuperscript{nd} June 2016

**Session 3: Processes to Remove Micro-Pollutants – part one**  
Chairman: Miklós Patziger, Budapest University of Technology and Economics (Hungary)

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<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Advanced reduction processes for trace organic contaminant removal in drinking water treatment</td>
<td>Klaas Schoutteten, Ghent University, Belgium</td>
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<tr>
<td>09:50</td>
<td>Evaluating survey monitoring results on the reduction of micropollutants in retention soil filters with a Monte Carlo approach</td>
<td>Katharina Tondera, RWTH Aachen University, Germany</td>
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<td>10:10</td>
<td>New decentralized approach to hospital wastewater treatment</td>
<td>José Antonio Gil Linares, GRUNDFOS BioBooster A/S, Denmark</td>
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<td>10:30</td>
<td>Biodegradation of MCPA and nitrate removal in an anoxic SBR</td>
<td>Deepak Chouhan, The University of Canterbury, New Zealand</td>
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<td>10:50</td>
<td>Biofilter and ultrafiltration: a way to remove micro-pollutants from WWTP secondary effluent</td>
<td>Luca Sbardella, Aquafin NV, Belgium</td>
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<td>11:10</td>
<td>End of session</td>
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**Session 4: Processes to Remove Micro-Pollutants – part two**  
Chairman: Prof. Jiri Wanner, Institute of Chemical Technology Prague (Czech Republic)

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<tbody>
<tr>
<td>11:30</td>
<td>Effect of emerging micro-pollutants on activated sludge bacterial communities structure in conventional and membrane bioreactors under 8°C conditions</td>
<td>Antonina Kruglova, Aalto University, Finland</td>
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<td>11:50</td>
<td>Up-scaling of a full-scale municipal fungal membrane bioreactor for the degradation of Carbamazepine and Diclofenac</td>
<td>Alessio Fenu, Aquafin nv, Belgium</td>
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<td>12:10</td>
<td>Can we enhance biotransformation of micro-pollutants by controlling biofilm thickness in MBBR?</td>
<td>Elena Torresi, Technical University Denmark, Denmark</td>
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<td>12:30</td>
<td>Real-time control of micro-pollutant removal by ozonation at pilot-scale</td>
<td>Michael Chys, Ghent University, Belgium</td>
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<td>12:50</td>
<td>Process control of the ozonation process to eliminate micro-pollutants in wastewater</td>
<td>Dr. Heidrun Tippe, Endress+Hauser Messtechnik GmbH+Co. KG, Germany</td>
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<td>13:10</td>
<td>End of session</td>
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