



4th Late Summer Workshop  
**„Natural Organic Matter in Natural and Technical  
Processes“**  
September 29th - October 1st, 2008, Schloss Maurach, Lake  
Constance

## P r o g r a m

<b><u>28.09.2008</u></b>	<b>Sunday</b>
16.00 – 20.00	Registration
20.00	Dinner
<b><u>29.09.2008</u></b>	<b>Monday</b>
8.00 – 9.00	Breakfast
9.00 – 9.15	Welcome and Opening Remarks: Martin Jekel, Berlin, Germany
9.15 – 10.15	Fritz H. Frimmel, Karlsruhe, Germany: "NOM everywhere – setting the scene"
10.15 – 10.45	Coffee Break and Poster Session
10.45 – 11.45	Jean Philippe Croué, Poitiers, France: "NOM isolates: Origin and structure versus reactivity"
11.45 – 12.45	Thorsten Reemtsma, Berlin, Germany: "Ultrahigh resolution mass spectrometry of NOM. A new view on NOM quality, properties and formation"
12.45 - 14.00	Lunch
14.00 – 15.00	Patrick Hatcher, Columbus, USA: "Now that we have new information in the components of humic substances, can we or should we construct models?"
15.00 – 15.20	Florian R. Storck, Karlsruhe, Germany: „Self- cleaning vadose zone - isotopical evidence for the degradation of organic carbon"
15.20 – 16.00	Coffee Break and Poster Session
16.30 – 19.30	Visit of the water works of Lake Constance, Sipplingen (treatment includes preozonation, coagulation, filtration and disinfection).
19.30	Dinner and get-together
<b><u>30.09.2008</u></b>	<b>Tuesday</b>
7.30 – 8.30	Breakfast

8.30 – 9.30	Rolf David Vogt, Oslo, Norway: "Causes and consequences of increased levels of humic substances in surface waters"
9.30 – 9.50	Aki Sebastian Ruhl, Berlin, Germany: „Removal and influence of NOM in zero-valent iron permeable reactive barriers for groundwater decontamination"
9.50 – 10.10	Benno Baumgarten, Berlin, Germany: "Transformation of sulfamethoxazole in bank filtration in presence of NOM"
10.10 – 10.45	Coffee Break and Poster Session
10.45 – 11.45	Willem van Riemsdijk, Wageningen, Netherlands: "Adsorption of humic compounds to mineral particles"
11.45 – 12.45	Eckhard Worch, Dresden, Germany: "The role of NOM in technical and natural sorption processes"
12.45 – 14.00	Lunch
14.00 – 15.00	Gary Amy, Delft, Netherlands: "Natural organic matter (NOM) profiling as a basis for treatment process selection and monitoring"
15.00 - 16.00	Susan Richardson, Athens, USA: "Formation of emerging and high molecular weight DBPs from NOM"
16.00 - 16.30	Coffee Break and Poster Session
16.30 - 16.50	Kristin Kutschera, Dresden, Germany: "Competitive adsorption of NOM and micropollutants - The implementation of different model approaches for the adsorption of geosmin and MIB in pre-treated reservoir water"
16.50 – 17.10	Andreas Albers, Hamburg, Germany: "Increase of assimilable organic carbon (AOC) during rapid sand filtration"
17.10 – 17.30	Xing Zheng, Berlin, Germany: "Slow sand filtration of treated wastewater as pre-treatment prior to UF"
17.30 – 17.50	Angela Klüpfel, Karlsruhe, Germany: "Characterization of fouling layers after nanofiltration of surface water and subsequent cleaning experiments"
18.00 - 19.30	Dinner

19.30	Visit Monastery Birnau and wine-tasting
<b><u>01.10.2008</u></b>	<b>Wednesday</b>
7.30 – 8.30	Breakfast
8.30 – 9.30	David Reckhow, Amherst, USA: "Disinfection byproduct formation from NOM and some key biochemicals"
9.30 – 10.30	Silvio Canonica, Dübendorf, Switzerland: "The role of dissolved organic matter (DOM) in oxidation reactions and in the formation of oxidation by-products"
10.30 – 11.00	Coffee Break
11.00 – 12.00	TorOve Leiknes, Trondheim, Norway: "NOM removal in drinking water by the OBM process"
12.00 – 12.20	Jannis Wenk, Dübendorf, Switzerland: "The influence of dissolved organic matter on photochemical transformation of aquatic pollutants by the excited triplet state of 4-carboxybenzophenone"
12.20 – 12.40	Luis Tercero, Karlsruhe, Germany: "Investigation of the photocatalytic degradation of brown water natural organic matter by size exclusion chromatography"
12.40 – 13.00	Klaus Ripl, Dresden, Germany: "Investigations on the behaviour of particulate matter in drinking water distribution systems"
13.00 -13.15	Closing remarks Martin Jekel
13.15	Lunch

**Remarks:**

- Invited speakers have 1 hour time, including 10 – 15 min of discussion
- Short presentations are 15 min plus 5 min discussion

We thank our sponsor:

The International Humic Substances Society

