



**UWI Summer School
19th/20th September 2018
Bestwestern Hotel, Mahlow**

Day 1, 19th September 2018

10:00	Welcome	Reinhard Hinkelmann
<i>Interfaces in urban watersheds, session chair: Doerthe Tetzlaff</i>		
10:15	Ecohydrological controls on urban groundwater recharge: an isotope-based modelling approach (W1)	Lena-Marie Kuhlemann
10:30	Role of dust and solid waste on water and contaminant transport processes at the pavement-water interface (T1)	Anne Timm
10:45	Scaling and connectivity assessment of critical source areas of diffuse pollution in urban catchments (W2)	Nasrin Haacke
11:00	Water, heat and contaminant transport in paved urban soils	Basem Aljoumani
11:15	Heat and vapor transport at the soil-atmosphere interface in urban areas (N2)	Kyle Pipkins
11:30	Heat and vapour fluxes of urban vegetation patterns – a remote sensing based approach (W3)	Stenka Vulova
11:45	Coffee break	
<i>Interfaces in urban freshwater ecosystems, session chair: Sabine Hilt</i>		
12:00	Effects of bank filtration on lake ecosystems (N5)	Mikael Gillefalk
12:15	Interactions between invasive ecosystem engineers and bank filtration in urban lakes (F1)	Anna Lena Kronsbein
12:30	Impact of remaining wastewater constituents on interfaces in surface waters (T4)	Robert Ladwig
12:45	Greenhouse gas formation and flux across boundaries in urban water bodies (N3)	Sonia Herrero
13:00	Update on project N4 (Ecosystem metabolism in natural and technical aquatic systems of urban environments – Clara Romero – parental leave)	Peter Casper
13:15	Lunch	
14:15	Plenary talk: Toxic Cyanobacteria – from first surveys of occurrence to regulation	Ingrid Chorus, UBA



<i>Interface urban hyporheic zone, chair person: Jörg Lewandowski</i>		
15:00	Retention of trace organic compounds in hyporheic reactors of urban freshwater systems (N6)	Jonas Schaper
15:15	Retention of trace organics in urban hyporheic bioreactors (H1)	Birgit Müller
15:30	Integral modelling approach for flow and reactive transport in groundwater-surface water interaction space (N7)	Tabea Broecker
15:45	Integral modelling approach for flow and reactive transport at surface water - groundwater interfaces (H2)	Vahid Sobhi Gollo
16:00	Coffee break	
16:15	Deiodination of iodinated contrast media (ICMs) in bank filtration of urban waters (T6)	Fatima El-Athman
16:30	Abiotic transformation of organic trace compounds (H3)	Yuki Sorgler
16:45	Functional implications of river thermal response to flow dynamics (UWI kollegiate)	Hanna Schulz
17:00	Strategy Meeting – UWI renewal proposal / Exchange between 1 st and 2 nd UWI cohort	
19:00	Dinner	

Day 2, 20th September 2018

8:30	Meeting External Advisory Board (EAB)	
9:00	Meeting External Advisory Board (EAB) and Internal Steering Committee (ISC)	
<i>Interface urban hyporheic zones (contd.) & interfaces in water treatment, chair person: Martin Jekel</i>		
9:30	Degradation of recalcitrant organic trace pollutants in biofilms at solid-water interfaces (N1)	Marcella Nega
9:45	Redox gradients in natural and technical systems: Population structure and physiological properties (H4)	Niranjan Mukherjee
10:00	Update on project T5 (Desorption kinetics and irreversibility in applications of technical adsorbents for water treatment – Geert Aschermann – parental leave)	Martin Jekel
10:15	Update on fast track stipend curriculum, lessons learned and upcoming doctoral studies	Stefan Dittmar
10:30	Coffee break	



<i>Interfaces in sewer systems, chair person: Gunnar Nützmann</i>		
10:45	Update on project T2 (Corrosion in sewers caused by biochemical processes of sulphurous compounds – Maria Sielaff – maternity leave)	Dietmar Stephan
11:00	Corrosion and odour in sewers caused by biochemical processes of sulphurous compounds (S1)	Micaela Pacheco Fernandez
11:15	The assessment of in situ biofilms	Adrian Augustyniak
11:30	Three-phase simulation model for odour and corrosion in sewer systems (T3)	Katharina Teuber
11:45	Three-phase simulation model for odour and corrosion in sewer systems (S2)	Abhinav Dixit
12:00	Lunch	
13:00	<i>Synthesis & Feedback, chair person: Reinhard Hinkelmann</i>	
<i>Individual meetings with Boards of Supervisors (BoS) – 2nd cohort:</i>		
13:30	F1: Anna Lena Kronsbein, Hilt, Hellweger, Hinkelmann (Mooij not present) W3: Stenka Vulova, Kleinschmit, Tetzlaff, (Soulsby not present) W1: Lena-Marie Kuhlemann, Tetzlaff, Kleinschmit (Soulsby not present) H4: Niranjana Mukherjee, Szewzyk, Braun, Casper (Adrian not present)	
14:15	H2: Vahid Sobhi Gollo, Hinkelmann, Lewandowski, Nützmann H3: Yuki Sorgler, Putschew, Hellweger (Adrian nicht anwesend)	
15:00	H1: Birgit Müller, Lewandowski, Hellweger, Putschew, Hinkelmann (Batelaan not present)	
~ 16:00	End of summer school	