

Programme: Alumni-Seminar 2018 (may 6th – 19th 2018)

Sunday, May, 6th, 18




Arrival of the Participants (DAAD-Alumni: 25 international water experts)




Monday, May, 7th, 2018

Topic of the day: Water supply conduits

Time	Topic	Speaker
9:00 - 9:15	Warm welcome by Universität Siegen Introduction programme and context to IFAT	Prof. Dr-Ing. Horst Görg; Prof. Dr. Paolo Reggiani Universität Siegen
Organisation and planning of water supply networks		
9:15 – 9:55 30Min / 10Min Talk / Discuss	Water supply in the regional territory of the water board Siegen-Wittgenstein	Dipl.-Ing. Dirk Müller, Wasserverband Siegen-Wittgenstein
9:55 - 10:35 30Min / 10Min Talk / Discuss	Benchmarking for water supply distributors Environmental costs and juridical aspects	Prof. Dr. Paolo Reggiani Universität Siegen, Wasserwirtschaftl. Risikobew
10:35 - 10:55	Coffee break (20 Minutes)	
Construction and rehabilitation of water systems		
10:55 - 11:35 30Min/10Min Talk/Discuss	Construction of drinking water nets with the material ductile cast iron	Dipl.-Ing. Steffen Ertelt, Duktus GmbH, Wetzlar
11:35 - 12:15 30Min/10Min Talk/Discuss	Trenchless Installation of pipeline infrastructure (gas, water, sewerage) of megacities	Barry Powell, Tracto-Technik GmbH & Co.KG Lennestadt
12:15 - 12:30	Introduction of the participants and brainstorming (situation in home countries)	All Participants (Alumni)
12:30 - 14:00	Lunch break	
Operation of water supply systems		
14:00 - 14:40 30Min/10Min Talk/Discuss	Pumps in water supply systems	Philipp Maibom Wilo SE, Dortmund
14:40 - 15:20 30Min/10Min Talk/Discuss	Measurement technology for water supply and sewer systems	Rüdiger Hochgesang KROHNE Messtechnik GmbH, Duisburg
15:20 - 15:40	Coffee break (20 Minutes)	
15:40 - 16:20 30Min/10Min Talk/Discuss	Leakage-detection in water conduits	Ingo Matlachowski Hermann Sewerin GmbH, Gütersloh
16:20 - 17:20 15Min/45Min Discuss/GW	General discussion; Group work: Group 1: Masterplan Water Supply Urban Group 2: Masterplan Water Supply Rural Group 3: Masterplan Sewerage Urban Group 4: Masterplan Sewerage Rural	Participants (Alumni) Groups á 6/7

Tuesday, May, 8 th , 2018	Topic of the day: Sewer systems		
	Water management 4.0, software		
	8:45 - 9:25 30Min / 10Min Talk / Discuss	Integrated water 4.0 approach from software-/ model view by the consideration of rain water flooding and the optimisation of water supply networks	Christian Pohl DHI-WASY GmbH, Bremen
	9:25 - 10:05 30Min / 10Min Talk / Discuss		
	10:05 - 10:25	Coffee break (20 Minutes)	
	Planning, construction and rehabilitation of sewers		
	10:25 - 11:05 30Min / 10Min Talk / Discuss	Rainwater discharge and –treatment in combined systems by practical examples	M.Sc. Björn Winter, Hydrosoft, Siegen
	11:05 - 11:45 30Min / 10Min Talk / Discuss	Pipe material PE for construction and rehabilitation of sewers and water conduits	Dipl.-Ing. Jan Franke, egeplast international GmbH, Greven
	11:45 - 12:25 30Min/10Min Talk/Discuss	Trenchless rehabilitation of broken sewers with hoses (UV-CIPP) and pipe-in-pipe-systems	Dipl.-Ing. Benedikt Stentrup, Sanierungstechnik Dommel GmbH, Hamm
	12:25 - 14:00	Lunch break	
	14:00 - 14:40 30Min/10Min Talk/Discuss	The welded sewer system using polyethylene	Dipl.-Ing. Kai Büßecker Friatec AG, Mannheim
	Sanitation of the private estates		
	14:40 - 15:20 30Min/10Min Talk/Discuss	Rehab of house service connection using the flexible hose-system „Brawoliner“	Dipl.-Ing. Sebastian Beck BRAWOLINER, Karl-Otto-Braun GmbH, Kaiserslautern
	15:20 - 15:40	Coffee break (20 Minutes)	
15:40 - 17:20 15Min/45Min Discuss/GW	General Discussion; Group work: Problems and reasons for neglected / rotten infrastructure, participation process of the population ? Education and training of technical staff ? Expectation on further development ? Efficient and sustainable usage of investment in water supply and sewerage. Knowledge about decentral infrastructure planning in new estates with integrated / interdisciplinary planning ? Acquisition of financial resources for the necessary action?Draft action recommendation (Start) simulation game (Master planning sewer, water supply network under country-specific aspects and analysis of the different initial situation)	Participants (Alumni)	
Wednesday, May, 9 th , 2018	Excursion:		
	7:30 - ca. 18:00	  	<p>Company visit: Mannesmann – Linepipe GmbH, Siegen</p> <p>“Breitenbach” water reservoir and raw water treatment Visit of a construction site: Storage tank, Hilchenbach</p> <p>Guided city tour: Old Siegen town with Churches, Parks and Castles Ancient water management</p>

Thursday, May, 10 th , 2018 (ascension day)	Topic of the day: Sewerage and water supply systems in the international context		
	8:45 - 9:25 30Min / 10Min Talk / Discuss	Palembang City sewerage project	M.Sc. Noviyen Halim, Jakarta, Indonesia
	9:25 - 10:05 30Min / 10Min Talk / Discuss	Sustainability of community WATSAN: comitees operations and maintainance capacity of water facilities in Ghana	PhD Joseph Abazaami Tamale, Ghana
	10:05 - 10:25	Coffee break (20 Minutes)	
	10:25 - 11:05 30Min / 10Min Talk / Discuss	Sound and reliable water transport during supply and disposal in Tajikistan	MA. Farukh Kasimov, Duschanbe, Tadjikistan
	11:05 - 11:45 30Min / 10Min Talk / Discuss	Can the implementation of the water-energy-food nexus support the economic growth in the Mediterranean region?	PhD Ibrahim Awad, Jerusalem, Palestine
	11:45 - 12:25 30Min / 10Min Talk / Discuss	The water resources management by the river basin committees in Santa Catarina State, Brazil	Dr. Luciana Camargo Castro, Santa Catarina, Brasil
	12:25 - 14:10	Lunch break	
	14:10 - 14:50 30Min/10Min Talk/Discuss	Holistic approach for providing clean drinking water by solar powered pumping network	M. Eng. Ratan Kumar Ghosh, Dhaka, Bangladesh
	14:50 - 15:30 30Min/10Min Talk/Discuss	Water supply of the central areas of Namibia: A case study of city of Windhoek	M.Sc. Nicholene Likando, Windhoek, Namibia
	15:30 - 15:50	Coffee break (20 Minutes)	
	15:50 - 16:30 30Min/10Min Talk/Discuss	Nanotechnology-enabled processes for water management	Dr. Maria Sanches Loredo, San Luis Potozi, Mexico
16:30 - 17:30 20Min/40Min Discuss/GW	General discussion (impression excursion) and topic of the day; Group work : Draft action recommendation (cf. Tuesday), budgeting/financing of water-/sewerage-related projects, socially acceptable charges, what does good governance mean (implementation) ? Differences "urban" - "rural"	Participants (Alumni)	
Friday, May, 11 th , 2018	Topic of the day: Organisation, strategical Planning und intergrated Management		
	EDP-based net- and sewer planning		
	8:45 - 9:25 30Min / 10Min Talk / Discuss	Design of water distribution networks using GIS-based software STANET	Dipl.-Ing. Alexander Krüger Universität Siegen Abwasser- und Abfalltechnik
	9:25 - 10:05 30Min / 10Min Talk / Discuss	Precipitation and runoff-process in urban sewer systems (hydrodynamic sewer calculation)	Dipl.-Ing. Ingrid Althoff Universität Siegen, Wasserwirtschaftl. Risikobew
	10:05 - 10:25	Coffee break (20 Minutes)	
Regulation and Organisation			
10:25 - 11:05 30Min / 10Min Talk / Discuss	Sewer master planning concepts (ABK / GEP) as instruments for regulation and organisation	Dipl.-Ing. Ingrid Althoff Universität Siegen, Wasserwirtschaftl. Risikobew	

Future and development		
11:05 - 11:45 30Min / 10Min Talk / Discuss	Challenges of the demographic development and the climate change on water supply systems in Germany	Prof. Dr.-Ing. Horst Görg Universität Siegen Abwasser- und Abfalltechnik
Charges, Benchmarking		
11:45 - 12:30 35Min/10Min Talk/Discuss	Developing and testing benchmarking system for water utilities in Jordan	PhD Mustafa Naser Eddin, Amman, Jordan
12:30 - 14:00	Lunch break	
14:00 - 14:40 30Min/10Min Talk/Discuss	Sewerage charge and water related fees using the example of the split-up rain water fee	Dipl.-Ing. Alexander Krüger Universität Siegen Abwasser- und Abfalltechnik
14:40 - 14:55 15 Min.	Groups finish their presentation (Draft action recommendation)	Group (Alumni)
14:55 - 15:10	Coffee break (20 Minutes)	
15:10 - 16:50 4 x 20 Min. Talk	Group presentation – results of the group work (Draft action recommendation)	Group (Alumni)
16:50 - 17:20	General discussion (group work) Final draft action recommendation in one document (ppt) Expectation about IFAT-Visit; Questions concerning IFAT; Seminar evaluation	Participants (Alumni)
Saturday, May, 12 th .2018	<p style="text-align: center;">Individual Cultural - Programme</p> <p style="text-align: center;"><i>(Proposal)</i> Region of Siegen Historical old town “Freudenberg” (“Fachwerkhäuser”) Visit of the technical museum in “Freudenberg” Visit of the “Siegerlandmuseum” im “Oberen Schloss” or museum for modern art</p> <p style="text-align: center;"><i>or</i></p> <p style="text-align: center;"><i>(Proposal)</i> Trip to Cologne and visit of the “Kölner Dom”</p>	
Sunday, ,May 13 th .2018	<p style="text-align: center;">Departure to IFAT Messe München / Arrival in Munich at early afternoon</p>	
Monday, May 14 th - Friday 18 th 18	<p style="text-align: center;">Visit of the IFAT fair; Organised by DAAD;</p> <div style="text-align: center;">  </div> <p style="text-align: center;">Departure Saturday, may, 19th 2018</p>	

