

Deliverable D13 – Workshop on creative problem-solving in resource recovery technology (membrane based processes)

This workshop will take place at RWTH Aachen University on 29th, 30th, 31st May

THE PROGRAMME

Monday - morning, 29 May 2017 travel day, Arrival in Aachen

Monday – afternoon, 29 May 2017 – Part I -MCW (Membrane Course for Water Technologies) technical input as background information for the solving selected problems in Part II

Venue: Room: Super-C Ford Saal, RWTH Aachen University, Templergraben 57, 52062 Aachen

11:00 – 11:30	Arrival, registration at SuPER-W registration Desk	
11:30 – 12:00	Welcome, information about the workshop program	Süleyman Yüce Han Vervaeren
12:00 – 12:30	Introductory lecture on "Look-See-Show" for stimulating scientific creativity	Matthias Wessling
12:30 – 12:45	Welcome to MCW,	Matthias Wessling
12:45 – 13:45	Introduction & Fundamentals	Matthias Wessling
13:45-14:30	Coffee break / Fingerfood	
14:30-15:15	Materials & Structures	Matthias Wessling
15:15-16:00	Ceramic Membranes	Peter Bolduan
16:00 – 16:15	Coffee break	
16:15 – 16:45	Transfer to DWI (Forckenbeckstrasse 50)	
16:45 – 23:00	Labtour and joint Dinner (Dinner starting at 7 pm)	

Tuesday, 30 May 2017 — MCW - technical input as background information
 for the solving selected problems in Part II

Venue: Room: Super-C Ford Saal, RWTH Aachen University, Templergraben 57, 52062 Aachen

9:00 – 09:45	Modules & Spacers	Matthias Wessling
09:45 – 10:45	Fouling - Observations	Matthias Wessling
10:45 – 11:15	Coffee break	
11:15 – 12:15	Fouling - Countermeasures	Matthias Wessling
12:15 – 13:45	Lunch break	
13:45 – 14:30	Drinking Water Treatment	Christian Kazner
14:30 – 15:30	Desalination	Süleyman Yüce
15:30 – 16:00	Coffee break	
16:00 – 17:15	Case study: Nanofiltration	
17:15-18:30	Free time	
18:30 - 20:00	Guided Tour in Aachen	

Wednesday – morning, 31 May 2017 – MCW - technical input as background information for the solving selected problems in Part II

Venue: Room: Super-C Ford Saal, RWTH Aachen University, Templergraben 57, 52062 Aachen

9:00 – 09:45	Monitoring	Stefan Panglisch
09:45 – 10:30	Wastewater Treatment	Thomas Wintgens
10:30 – 10:45	Coffee break	
10:45 – 11:30	Industrial Wastewater Treatment	Thomas Wintgens
11:30 – 12:15	Electrodialysis & Capacitive Deionization	Matthias Wessling
12:15 – 12:30	Outlook / Closing MCW	Matthias Wessling Süleyman Yüce
12:30 :13:00	Lunch / (Lunch bag)	

Wednesday – afternoon, 31 May 2017 – Part II - Workshop on creative problem-solving; team working on creative solutions and their presentations

Venue: Room: NGP² Seminar Room A-002 Forckenbeckstr 51, 52074 Aachen

13:00 – 13:30	Transfer to NGP² Forckenbeckstr 51 Seminar Room Room A-002	
13:30 – 16:30	Workshop on Creative Thinking - Theoretical Module	Wim Coessens
16:30 – 17:00	Coffee break	
17:00 – 20:00	Workshop on Creative Thinking - Practical Module, solving selected problems	Wim Coessens, all ESRs
20.00 - 22:00	Dinner	
22:00	Transfer to the Hotel	

Deliverable D14 – 1-day PhD Seminar on progress of the work in resource recovery technologies

PhD Seminar will take place on 1st June 2017.

Thursday – 1st June 2017 – PhD Seminar

Venue: Room: NGP² Seminar Room A-002 Forckenbeckstr 51, 52074 Aachen

Evaluation by: Thomas Wintgens

8:20 – 08:30	Welcome & Introduction	Gijs DuLaing Miriam Rosenbaum
08:30 – 10:00	Presentations & discussions of the progress in research work by SuPER-W doctoral students (10+5 min pitches): ESR01-ESR06	ESR1 - ESR 6
10:00 – 10:15	Coffee break	
10:15 – 11:30	Presentations & discussions on the outreach activities/tools	Gijs DuLaing, all participants
11:30 – 13:00	Presentations & discussions of the progress in research work by SuPER-W doctoral students (10+5 min pitches): ESR07 to ESR12	ESR7 - ESR12
13:00 – 13:45	Lunch	
13:45 – 15:15	Game for sharpening of the creative thinking IN THE LOOP	Gijs DuLaing, all participants
15:15 – 17:00	Presentations & discussions of the progress in research work by SuPER-W doctoral students (10+5 min pitches): ESR013 to ESR19	ESR13 - ESR19
17:00 - 17:45	Discussion and selection of ideas for SuPER-W web page maintenance	Gijs DuLaing, Han Vervaeren all participants
17:45 - 18:00	Closing	Gijs DuLaing, Süleyman Yüce

Friday – 2nd June 2017 – Field Trip to Drinking Water Treatment Plant Roetgen

Venue: envor DWTP, Am Filterwerk 52159 Aachen

9:00	Departing at Hotel Baccara, Aachen	Süleyman Yüce
9:00 – 10:00	Bus transfer to envor DWTP in Roetgen/Aachen	Süleyman Yüce
10:00 – 11:00	Welcome and Presentation	Walter Dautzenberg
11:00 – 12:30	Visiting the membrane plants and Discussion	Walter Dautzenberg Süleyman Yüce
12:30 - 13:30	Bus transfer back to Aachen	Süleyman Yüce
13:30	Arrival Aachen - Closing - Lunch bag	Süleyman Yüce