

Train of Trainers Workshop Hamburg

18th – 22nd of February, 2019

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1 Overview about Participants and Lecturers

In Table 1 the participants of all different Egyptian, Lebanese and Jordanian Partner Universities are listed. Unfortunately, from JUST University, there was no participant sent since the chosen participants didn't receive their Visa.

Table 1: Participants from Egyptian, Lebanese and Jordanian Partner Universities

University	Participant Name
Arab Academy for Science and Technology and Maritime Transport	Hatem Diab
	Mahmoud Abdelsalam
American University of Beirut	Mohamad Ahmad
	Riad Chedid
	Nesreen Ghaddar
	Kamel Ghali
Helwan University	Adel Elsamahy
	Ahmed Ayman
	Karam Mohamed
	Said Elmasry
Lebanese University	Elias Kinab
	Clovis Francis
University of Jordan	Dia Abu-Nadi

In Table 2 the agenda of the week including all lecturers from Hamburg University of Technology as well as all external Lecturers from different companies are listed with the topics of their contribution.

Table 2: Agenda of the week

Date	Time	Content	Responsible
Mon. 18/02/2019 Biomass	09:00 – 09:30	Welcome Speech	Martin Kaltschmitt TUHH / IUE
	09:30 – 10:30	Biogas (Part 1)	
	11:00 – 12:30	Biogas (Part 2)	
	13:30 – 15:00	Combustion	Isabel Höfer TUHH / IUE
	15:15 – 16:00	Bio-Refinery	Anne Lamp TUHH / IUE
Tue. 19/02/2019 Solar Energy	09:00 – 10:30	Photovoltaics (Components & plants)	Stefan Müller Enerparc
	10:45 – 12:15	Photovoltaics (Operation & maintenance)	
	13:15 – 14:45	Solar-thermal electricity provision systems (Components & plants)	Martin Schlecht Suntrace
	15:00 – 16:00	Solar thermal electricity provision systems (Operation & maintenance)	
Wed. 20/02/2019 Wind energy	09:00 – 10:30	Offshore Wind Energy (Wind mills & foundations)	Burcu Özdirik Siemens
	10:45 – 12:15	Offshore Wind Energy (Wind parks & operation)	
	13:15 – 14:45	Onshore Wind Energy (Wind mills & operation)	Britta Reimers Senvion
	15:00 – 16:00	Onshore Wind Energy (Wind parks & operation)	
Thu. 21/02/2019	09:00 – 16:00	Excursion to Energy Hill Georgswerder	Marvin Scherzinger Alexander. Beckendorff TUHH / IUE
Fr. 22/02/2018	09:00 – 11:30	Offshore Wind Energy – Time for global rollout!	Martin Skiba World Forum Offshore Wind e.V.
	11:45 – 12:30	Conclusion and Evaluation	Martin Kaltschmitt TUHH / IUE

2 Summary of the Workshop Days

2.1 Monday, 18th of February, 2019

On Monday, 18th of August, 2019 the Train-of-Trainer Workshops started at Hamburg University of Technology. Prof. Kaltschmitt started with a Welcome Speech (Figure 1).



Figure 1: Welcome Speech by Prof. Kaltschmitt

After the Welcome Speech, Prof. Kaltschmitt presented an overview about biogas usage in Germany and Europe as well as biogas technology in general.

Then, M.Sc. Isabel Höfer presented new research insights from the field of biomass combustion, followed by a presentation by M. Sc. Anne Lamp, which focused on biorefinery concepts.

2.2 Tuesday, 19th of February, 2019

On Tuesday, Dr. Schlecht and Dr. Müller presented recent developments in the field of photovoltaics and solar thermal energy. Figure 2 shows the participants during the first presentation.



Figure 2: Participants during the presentation

On Tuesday, there was also a mutual dinner at a restaurant in Harburg (Figure 3).



Figure 3: Mutual dinner

2.3 Wednesday, 20th of February, 2019

On Wednesday Dr. Özdirik and Dr. Reimers presented recent developments in the field of offshore wind energy and onshore wind energy.

2.4 Thursday, 21st of February, 2019

On Thursday, there was an excursion to Energy Hill Georgswerder, where the treatment of toxic waste as well as the renewable energy production by landfill gas, wind energy and photovoltaics was presented. Figure 4 shows the participants at the Information center there. Figure 5 shows the participants in front of the windmill-powered plant there.



Figure 4: Participants at the Information center of Energy Hill Georgswerder



Figure 5: Participants in front of the windmill-powered plant at Energy Hill Georgswerder

2.5 Friday, 22nd of February, 2019

On Friday, Prof. Skiba presented a global rollout for offshore wind energy. Afterwards, Prof. Kaltschmitt wrapped up the week.

3 Training Material

All presentations given at TUHH have been collected and are available via following link:

<https://cloud.tuhh.de/index.php/s/niXQwLMPKoDNo4X>

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4 Participant List

All participants had to fill a participant list in order to prove their attendance. The signed list is showed below. In the end, every participant received a certificate of attendance by Prof. Kaltschmitt.

Participant List for HEBA Train-of-Trainers Workshop in Hamburg
(18th-22nd of February, 2019)






























































University	Participant Name	Mo	Tue	Wed	Thu	Fri
Arab Academy for Science and Technology and Maritime Transport	Hatem Diab					
	Mahmoud Abdelsalam					
American University of Beirut	Mohamad Ahmad					
	Riad Chedid					
	Nesreen Ghaddar					
	Kamel Ghali					
Helwan University	Adel Elsamahy					
	Ahmed Ayman					
	Karam Mohamed					
	Said Elmasry					
Jordan University of Science and Technology	Qatada Damra					
	Mohamad Al Widyen					
Lebanese University	Elias Kinab					
	Clovis Francis					
University of Jordan	Dia Abu-Nadi					
	Mahmoud Irshidat					

Figure 6: Participant List

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