

DAAD Alumni Summerschool "Applied Solar Technology in Developing Countries"  
 May 31st – June 8th 2010 in Witzenhausen, Germany  
 Visit to the world's leading solar trade fair "Intersolar Europe 2010"  
 and the International Conference on Solar Technology and Engineering  
 June 9th – 11th 2010 in Munich, Germany

<b>Monday, 31.05.2010 / Arrival</b>		
	Arrival of participants Check-in to accommodation Dinner	Christina Ripken
<b>Tuesday, 01.06. 2010 / Welcome and Introduction</b>		
09:00 - 11:00	Welcome, registration and introduction of participants Organisational matters, logistics Introduction to the programme	Dr. Christian Hülsebusch Prof. Dr. Oliver Hensel Christina Ripken
11:00 - 12:00	Guided tour of the university campus and facilities	Christina Ripken
12:30 - 13:00	Welcome / reception by the mayor of Witzenhausen	Mayor Angela Fischer
13:00 - 14:00	Lunch (Gastwerk)	
14:00 - 15:00	Solar radiation, thermal exploitation of solar energy, photovoltaics and how to measure solar energy and performance of solar appliances (theoretical lecture, practical, demonstration)	Dipl. Biol. Uwe Richter Prof. Dr. Oliver Hensel
15:00 - 16:00	Solar technology with emphasis on practical application (theoretical lecture)	Prof. Dr. Oliver Hensel
16:00 - 16:30	Coffee break	
16:30 - 18:30	Current state and perspectives of solar technology and its application in the participants' home countries (participants presentations)	Alumni Prof. Dr. Oliver Hensel
19:00	Dinner	
<b>Wednesday, 02.06. 2010 / Excursion Fraunhofer Institute, University of Kassel, Viessmann</b>		
09:00	Departure (bus) to Kassel	
10:00 - 11:30	Fraunhofer-Institut für Windenergie und Energiesystemtechnik IWES Demotec exhibition plant, University of Kassel Solar appliances in large scale technological plants (guided tour and demonstration)	Prof. Dr. Klaus Vajen Prof. Dr. Oliver Hensel
12:00 - 14:00	Bus transfer to Viessmann, packed lunch on the way	
14:00 - 16:00	Viessmann solar appliances demonstration unit (with snack)	
16:00 - 18:00	Bus Transfer to Witzenhausen	
19:00	Dinner	
<b>Thursday, 03.06. 2010 / Solar appliances for small scale agriculture and food processing</b>		
09:00 - 10:30	Experimental and Demonstration Plant for Irrigation and Solar Technology "Am Sande" of the University of Kassel (guided tour and introductory lecture)	Prof. Dr. Oliver Hensel
10:30 - 11:00	Coffee break	
11:00 - 13:00	Small scale solar driven appliances in agriculture, post-harvest technology and food processing: grain mills, oil presses, milk processing (demonstration and practical)	Prof. Dr. Oliver Hensel Alumni
13:00 - 14:30	Lunch (cooking on solar heater)	
14:30 - 16:30	Solar drying of (tropical) agricultural commodities: fruits & vegetables, herbs & spices (demonstration and lecture)	Dipl. Ing. Maria Abbate Dr. Ing. Albert Esper Prof. Dr. Oliver Hensel
16:30 - 17:00	Coffee break	
17:00 - 18:30	Solar drying of agricultural commodities: meat & fish, roots & tubers, grains (demonstration and lecture)	Dipl. Ing. Maria Abbate Dr. Ing. Albert Esper Prof. Dr. Oliver Hensel
19:00	Guided candlelight tour of the Tropical Greenhouse and	Dipl. Ing. agr. M.A. Marina.

	Botanical Garden of the University of Kassel at Witzenhausen Dinner buffet in the Tropical Greenhouse	Hethke
<b>Friday, 04.06. 2010 / Solar pumping, solar heat and storing solar energy</b>		
09:00 - 09:45	Solar pumping of household, drinking and irrigation water (theoretical lecture)	Prof. Dr. Oliver Hensel
09:45 - 10:30	Solar appliances for drinking water disinfection (lecture with demonstration)	Dipl. Ing. Alexander Goldmaier
10:30 - 11:00	Coffee break	
11:00 - 13:00	Operation solar pumping systems (demonstration and practical)	Dipl. Ing. Christian Schellert Alumni
13:00 - 14:30	Lunch (Mensa)	
14:30 - 15:15	Thermal solar appliances for domestic use and small and large scale industry	Dipl. Ing. Roland Heinzen
15:15 - 16:30	Focal collectors (konzentrierende-Kollektoren) Scheffler collectors: High temperature appliances for distillation, food processing, cooking and steam production (lecture and demonstration)	Salvatore Grigoli Dipl. Ing. R. Behringer
16:30 - 17:00	Coffee break	
17:00 - 18:00	Storing solar energy: heat storage systems, accumulators and batteries, sorption technology (lecture)	Dipl. Ing. Roland Heinzen
19:00	Dinner	
<b>Saturday, 05.06. 2010 / Sight-seeing and shopping in Kassel</b>		
10:30	Departure (train) to Kassel	
11:30 - 13:00	Shopping tour	
13:00 - 14:00	Lunch (Luther Cafe im Turm, gerade nicht erreichbar)	
14:00 - 15:00	Guided tour of the university campus Holländischer Platz	
15:00 - 17:00	„Wasserspiele Schlosspark“ Kassel Wilhelmshöhe Visit to the illuminated fountains of the palace gardens	
17:00	Transfer (train) to Witzenhausen	
19:00	Dinner	
<b>Sunday, 06.06. 2010 / Excursion to K+S KALI GmbH demonstration mine Merkers (Grube Merkers)</b>		
07:30	Departure (bus) to Merkers	
09:30 - 12:30	Visit of the Merkers Demonstration Mine (Grube Merkers) K+S KALI GmbH Zufahrtstr. 1, 36460 Merkers	Prof. Dr. Oliver Hensel Christina Ripken
13:00 - 15:00	Transfer in den Nationalpark Hainich (Lunch pack on the way)	
15:00 - 17:00	Hainich Tree Top Walk (Baumkronenpfad)	
19:00	Dinner in Witzenhausen	
<b>Monday, 07.06. 2010</b>		
09:00 - 11:00	Photovoltaic appliances for rural electrification: Micro-PV, Solar home systems, Village scale electrification (lecture with practical)	PD Dr. Brigitte. Kaufmann Prof. Dr. Oliver Hensel
	Evaluation and closing remarks	Prof. Dr. Oliver Hensel Alumni
13:00 - 14:00	Lunch (Mensa)	
	Alumni contributions	Alumni Organisationsteam Prof. Dr. O. Hensel
<b>Tuesday, 08.06. 2010</b>		
07:00	Departure (bus) to Munich	Christina Ripken
	Visit of Intersolar Europe with DAAD Program	

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