



Preliminary Programme




Last update: 05 August 2007

First week					
	8:30-10:00	10:30-12:00	13:30-15:00	15:30-17:00	19:00
Su	Arrival				
Mo	Opening <i>Mr. S. Rönsch</i>	Introduction into Photovoltaics <i>Dr. T. Dittrich</i>	Basic Properties of Semi-conductors <i>Dr. S. Sadewasser</i>	Connection of Solar Cells <i>Dr. S. Bönisch</i>	Evening Seminar
Tu	PN – Junction <i>Dr. S. Sadewasser</i>	Recombination Processes <i>Dr. T. Dittrich</i>	Sun Simulator <i>Dr. S. Sadewasser</i>	Introduction into Laboratory Training <i>Dr. T. Dittrich</i>	
We	Aspects of Transport <i>Dr. T. Dittrich</i>	Dye Sensitized Solar Cells <i>Dr. J. Mwabora</i>	Laboratory Training¹ <i>Dr. T. Dittrich</i>		Evening Seminar
Th	Surface Characterization of Semiconductors <i>Dr. S. Sadewasser</i>	Stand alone and interconnected PV systems <i>Dr. S. Bönisch</i>		Reception <i>Mr. S. Rönsch</i>	
Fr	Grid connections <i>Dr. S. Bönisch</i>	Si Photovoltaic Technology <i>Dr. D. Mulati</i>	Laboratory Training¹ <i>Dr. T. Dittrich</i>		Evening Seminar
Sa	Laboratory Training¹ <i>Dr. T. Dittrich</i>				
Su	Excursion to Nakuru National Park				

	Lecture
	Seminar
	Laboratory Training



Second week					
	8:30-10:00	10:30-12:00	13:30-15:00	15:30-17:00	19:00
Mo	C-Si Solar Cells <i>Dr. J. Mulati</i>	Organic Solar Cells <i>Dr. T. Dittrich</i>	Laboratory Training¹ <i>Dr. T. Dittrich</i>		Evening Seminar
Tu	Amplifiers <i>Dr. S. Bönisch</i>	Chalcopyrite Solar Cells <i>Dr. S. Sadewasser</i>	Laboratory Training¹ <i>Dr. T. Dittrich</i>		
We	Maximum Efficiency of Solar Cells <i>Dr. S. Sadewasser</i>	III-V Semiconductor Cells (Ga:As) <i>Dr. J. Mwabora</i>	Laboratory Training¹ <i>Dr. T. Dittrich</i>		Evening Seminar
Th	Amorphous Si Solar Cells <i>Dr. T. Dittrich</i>	Signal Processing <i>Dr. S. Bönisch</i>	Laboratory Training¹ <i>Dr. T. Dittrich</i>		Preparation of Presentation
Fr	Concentrator Solar Cells <i>Dr. D. Mulati</i>	Perspectives of Photovoltaics <i>Dr. T. Dittrich</i>	Summary of Laboratory Training Presentations <i>Dr. T. Dittrich</i>		Closing <i>Mr. Rönsch</i>
Sa	Departure				

	Lecture
	Seminar
	Laboratory Training

**¹ Laboratory Training**

No.	Room	Topic	Lab Description	Supervisor
P1	Lab 1	DSSC	Preparation of DSSC	S. Rönsch
P2	Lab 1	DSSC	Preparation of DSSC	S. Rönsch
P3	Lab 1	DSSC	Preparation of DSSC	S. Rönsch
P4	Lab 1	DSSC	Current voltage characterization of DSSC	J. Mwabora
P5	Lab 1	DSSC	Current voltage characterization of DSSC	J. Mwabora
P6	Lab 1	Si	Current voltage characterization of Si solar cells	D. Mulati
P7	Lab 1	Si	Current voltage characterization of Si solar cells	D. Mulati
P8	Lab 1	Modules	Photovoltaic modules	S. Bönisch
P9	Lab 1	Modules	Photovoltaic modules	S. Bönisch
P10	Lab 2	Semicond.	Dependence of open circuit potential on short current circuit	T. Dittrich
P11	Lab 2	Semicond.	Pulsed and continuous light sources	T. Dittrich
P12	Lab 2	Semicond.	Capacitance of pn-junction	T. Dittrich
P13	Lab 2	Semicond.	Intensity dependence of efficiency of a solar cell	T. Dittrich
P14	Lab 2	Semicond.	Temperature dependence of efficiency of a solar cell	T. Dittrich
P15	Lab 2	Optics	Optical absorption of dye molecules	S. Sadewasser
P16	Lab 2	Optics	Spectral response and quantum efficiency	S. Sadewasser

Date Group	22/08	24/08	25/08	27/08	28/08	29/08	30/08
	G1	P1	P16	P15	P13	P9	P14
G2	P2	P8	P12	P11	P4	P10	P16
G3	P3	P12	P8	P5	P10	P15	P13
G4	P4	P1	P13	P7	P16	P12	P14
G5	P15	P2	P6	P10	P14	P8	P5
G6	P10	P3	P16	P12	P7	P13	P11
G7	P6	P13	P1	P9	P11	P4	P12
G8	P12	P7	P2	P15	P13	P11	P5
G9	P9	P10	P3	P14	P5	P16	P6
G10	P13	P15	P10	P1	P12	P6	P8