

This is a first draft of the expected timetable. Subject to modifications!

Programme Spring School

10-14 May 2010

Monday				Tuesday				Wednesday				Thursday				Friday			
Start	Dur.	Topic	Lecturer	Start	Dur.	Topic	Lecturer	Start	Dur.	Topic	Lecturer	Start	Dur.	Topic	Lecturer	Start	Dur.	Topic	Lecturer
				8:30	1:30	Transducer Principle & Physical Sensors	Udo Weimar	8:30	2:00	Surface phenomena & chemical reactions	Marina Rumyantseva / Alexander Gaskov	8:30	1:30	Sensor Material Synthesis	Sanjay Mathur	8:30	2:00	Experimental techniques: microstructure	Juan Ramón Morante/ Guido Faglia
				10:00	0:30	CoffeeBreak		10:30	0:30	CoffeeBreak		10:00	0:30	CoffeeBreak		10:30	0:30	CoffeeBreak	
				10:30	1:30	Basics of Physics I	Udo Weimar	11:00	1:00	MOX semiconductor surfaces - electronical point of view	Guido Faglia	10:30	1:30	Sensing layer deposition	Elisabetta Comini	11:00	1:00	Experimental techniques: operando	Udo Weimar
				12:00	3:00	LunchBreak & Freetime		12:00	3:00	LunchBreak & Freetime		12:00	3:00	LunchBreak & Freetime		12:00	1:00	LunchBreak	
15:00	0:00	Welcome & Opening		15:00	2:00	Basics of Physics II	Udo Weimar	15:00	1:30	Conduction models of MOX semiconductors	Guido Faglia	15:00	1:30	Transducer realization	Gerhard Müller	13:00	1:00	Concluding remarks	tba
	1:00	Introduction lecture		17:00				16:30	0:15	Break		16:30	0:15	Break		14:00			
16:00	1:30	Students' presentation						16:45	2:00	Gas Sensor variants	tba	16:45	1:30	MEMS & MIS sensors	Alexey Vasiliev				
17:30								18:45				18:15							

Module 1	Introduction
Module 2	Basics of Physics
Module 3	Principle of Gas Sensing
Module 4	Sensor Material Synthesis

Module 5	Gas Sensor technology
Module 6	Charakterization
Module 7	Measurement Technology
Module 8	Driving electronics and system aspects