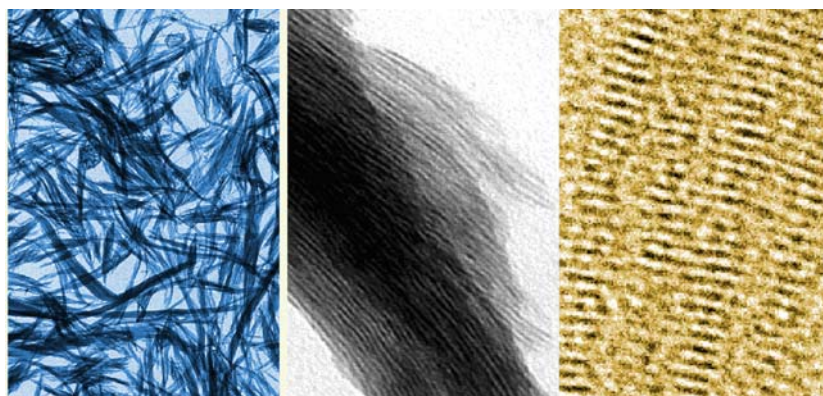


1st GOSPEL Workshop on Low Dimensional & Nanostructured Oxides: Bridging Surface Science and Sensor Science

Tübingen, 15-16 June 2007



Friday June 15th

Start	Dur.*	Topic	Speaker/ Moderator
9:15	0:15	Opening	N. Bârsan
9:30	0:50	MOX semiconductor gas sensors: Where are we today, where are we going tomorrow?	A. Kolmakov
10:20	0:50	Form and characteristics of sensing oxides: a historical perspective	S Semancik
11:10	0:50	Surface science and chemical semiconductor sensors	K Schierbaum
12:00	0:90	Lunch	
13:30	0:50	Nanometer and sub-nanometer thin oxide films at surfaces of late transition metals s	K Reuter
14:20	0:50	Surface science investigations of (semi-) conducting metal oxides	U Diebold
15:10	0:50	Recent trends in fabrication, functionalization and characterization of metal oxide nanowire gas sensors	A Kolmakov
16:00	0:30	General discussions	Y. Shimizu
16:30	0:30	Coffee break	
17:00	1:30	Poster session	N. Bârsan
20:00		Get together dinner / Informal discussions	

Saturday June 16th

Start	Dur.*	Topic	Speaker/ Moderator
08:30	0:50	Imaging and spectromicroscopy with soft x-rays and recent achievement in characterization of micro- and nano-materials	M Kiskinova
09:20	0:50	Operando investigations of gas sensing with metal oxide based devices	N. Bârsan
10:10	0:50	Interaction of complex molecules in smell detection with oxide sensors	CD Kohl
11:00	0:50	Gas-sensing properties of SnO ₂ - and ZnO-based single crystal nanobelts	Y Shimizu
12:00	0:90	Lunch	
13.30	0:50	Single crystalline metal oxide nanowires based gas sensors	E Comini
14:20	0:50	Chemical-electrical transduction studies from electrical measurements on single metal-oxide nanowires	JR Morante
15:10	0:50	Final discussion	CD Kohl
16:00		End	

*Time allocated for the presentation and discussions

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