



GRS-Cluster Fusion

Chair of Applied Physics and Sensors Technology - BTU Cottbus-Senftenberg




Brandenburg
University of Technology
Cottbus - Senftenberg

Characterization of micro- and nano-materials

19th - 23rd March 2018

BTU Cottbus-Senftenberg, Panta Rhei Building - Room B200, Konrad-Wachsmann-Allee 17, 03046 Cottbus

Winter School 2018 / Compact Course
(LV: 130760, Module: 13443; CP: 4)
Language: English

Time	Monday, 19/03/2018	Tuesday, 20/03/2018	Wednesday, 21/03/2018	Thursday, 22/03/2018	Friday, 23/03/2018
	Dieter Schmeißer	Karsten Henkel	Malgorzata Kot	Klaus Müller	Dieter Schmeißer
Coffee					
9:00-9:30					
9:30-11:00	<p><i>GRS Tutorial</i> Peer Schmidt BTU CS</p> <p>Thermal analyses for materials sciences</p>	<p><i>GRS Tutorial</i> Dieter Schmeißer BTU CS</p> <p>lonicity of semiconductors</p>	<p><i>GRS Tutorial</i> Jörg Acker BTU CS</p> <p>Topography of solid surfaces</p>	<p><i>GRS Tutorial</i> Götz Seibold BTU CS</p> <p>Spin-charge conversion in 2-dim systems</p>	<p><i>Research highlight</i> Fabian Rachow BTU CS</p> <p>Oxygen Storage</p> <p>Johannes Israel BTU CS</p> <p>CO₂-Conversion in CH₄,CH₃OH</p>
11:00-11:30	Coffee Break				
11:30-13:00	<p><i>GRS Tutorial</i> Jaroslav Domaradzki Wroclaw University of Technology</p> <p>Vacuum deposition technologies</p>	<p><i>GRS Tutorial</i> Thomas Seyller TU Chemnitz</p> <p>Epitaxial Graphene</p>	<p><i>GRS Tutorial</i> Ehrenfried Zschech Fraunhofer IKTS</p> <p>Nano-analytics in device technology</p>	<p><i>GRS Tutorial</i> Toni Markurt IKZ</p> <p>TEM analyses of oxides</p>	<p><i>Research highlight</i> Jana Aslanjan Logesoft</p> <p>Three-way catalyst modeling using detailed surface chemistry</p>
13:00-14:30	Lunch Break				
14:30-15:15	<p><i>Research highlight</i> Hassan Gargouri SENTECH GmbH</p> <p>ALD</p>	<p><i>Research highlight</i> Harald Schenk BTU CS</p> <p>MEMS</p>	<p><i>Research highlight</i> Kamil Kosiel Institute of Electron Technology, Warsaw</p> <p>ALD for fabrication of optical fiber sensors</p>	<p><i>Research highlight</i> Malgorzata Kot BTU CS</p> <p>Application of ALD in Perovskite Solar Cells</p>	<p>Discussion</p> <p>Concluding remarks</p>
15:15-15:45	<p><i>Research highlight</i> Karsten Henkel BTU CS</p> <p>Electronic defects in Al₂O₃ and Ga₂O₃</p>	<p>Shashank</p> <p>Micro-positioning systems based on highly efficient electrostatic actuators</p>	<p>Kristina Kutukova Fraunhofer IKTS</p> <p>In situ X-ray microscopy of on-chip interconnect structures</p>	<p>Emilia Pożarowska</p> <p>Spiders' silk and silkworm silk structure</p>	<p>End</p>
15:45-16:15	Coffee Break				
16:15-16:45	<p>Tomasz Kotwica Wroclaw University of Technology</p> <p>Transition metal oxides memristive properties</p>	<p>Introduction of GRS Students</p>	<p>Steven Herold</p> <p>Chemical reactivity on disturbed silicon surfaces</p>	<p>Jens-Henning Bölte</p> <p>Sulfur-doped porous carbon materials - Synthesis and application in catalysis</p>	<p>How to find us: http://bit.do/ea35e</p> 
16:45-17:15	<p>Poster Session</p>	<p>Sasha Martini</p>	<p>Felix Lange</p> <p>Si & Ge nanowires growth by MBE</p>		