



International Workshop at Ringberg Castle, Lake Tegernsee, Germany
 July 27th – July 29th, 2011
Programme – updated version

Current topics in Transmission Electron Microscopy:

“Plasmonics” and “Tomography”

Wednesday, July 27 th , 2011	
15:00 – 15:10	Opening and Welcome Peter A. van Aken
	Plasmonics (Chair: Peter van Aken)
15:10 – 15:50	Ralf Vogelgesang, Stuttgart <i>Near-field optics of nanoplasmonic structures</i>
15:50 – 16:30	Duncan Alexander, Lausanne <i>Cathodoluminescence and EELS of photonic crystals</i>
16:30 – 17:00	Coffee break
17:00 – 17:40	Jorge Bravo-Abad, Madrid <i>Molding the flow of Terahertz radiation using holey metamaterials</i>
18:30	Dinner
After 20:00	Posters & Beer

Thursday, July 28 th , 2011	
	Plasmonics (Chair: Wilfried Sigle/Peter van Aken)
09:00 – 09:40	Marcus Rommel, Stuttgart <i>Electron beam lithography</i>
09:40 – 10:20	Maria Eugenia Toimil-Molares, Darmstadt <i>Preparation and characterization of metallic nanorods</i>
10:20 – 11:00	Coffee break
11:00 – 11:40	Toon Coenen, Amsterdam <i>Angle-resolved cathodoluminescence spectroscopy on plasmonic nanoantennas</i>
11:40 – 12:20	Wilfried Sigle, Stuttgart <i>TEM methods for valence-loss spectroscopy</i>
12:30	Lunch

Thursday, July 28 th , 2011	
	Plasmonics (Chair: Christoph Koch)
14:00 – 14:40	Burcu Ogüt, Stuttgart <i>EFTEM and FEM simulation of plasmonic modes in nanoslits</i>
14:40 – 15:20	Javier Garcia de Abajo, Madrid <i>Valence electron loss theory</i>
15:20 – 16:00	Coffee break
16:00 – 16:40	Paul A. Midgley, Cambridge UK <i>Electron spectroscopy of plasmons in silver nanocubes and other geometries</i>
16:40 – 17:20	Falk Roeder, Dresden <i>Inelastic holography for investigating surface plasmons</i>
18:30	Dinner

Friday, July 29 th , 2011	
	Tomography (Chair: Fritz Phillipp)
09:00 – 09:40	Rafal E. Dunin-Borkowski, Jülich <i>Electron tomography and holography in materials science</i>
09:40 – 10:20	Hannes Lichte, Dresden <i>Mapping electrostatic potentials in 2D and in 3D</i>
10:20 – 10:50	Coffee break
10:50 – 11:30	Stefan Harmeling, Tübingen <i>Image Processing: spatially varying multi-frame deconvolution</i>
11:30 – 12:10	Michael Habeck, Tübingen <i>Statistical mechanics and analysis of sparse data</i>
12:30	Lunch
	Tomography (Chair: Peter van Aken)
14:00 – 14:40	Markus Wollgarten, Berlin <i>3D imaging at different lateral scales</i>
14:40 – 15:20	Günter Möbus, Sheffield <i>Model-based atomic resolution tomography</i>
15:20 – 16:00	Christian Kübel, Karlsruhe <i>3D imaging of nanomaterials</i>
16:00 – 16:30	Coffee break
16:30 – 17:10	Yun Jin-Phillipp, Stuttgart <i>3D Chemical Mapping</i>
17:10 – 17:50	Christoph Koch, Stuttgart <i>3D Strain Mapping</i>
17:50 – 18:00	Closing Peter A. van Aken
18:30	Dinner

Some more information concerning the workshop

Venue

Schloss Ringberg
Conference Site of the Max Planck Society e. V. (MPG)
Schlosstraße 20
83708 Kreuth

Tel.: +49 (0) 8022-279-0
Fax: +49 (0) 8022-279-259
e-mail: Ringberg@rzg.mpg.de

Conference office (27.07.2011 as from 13:00)
Tel. +49 (0) 8022-279-218

(for more information such as how to get there please have a look at their home page:
<http://www.schloss-ringberg.mpg.de/>)

How to get to Ringberg Castle

From Tegernsee train station you can either take a taxi to the castle or wait for an organized shared taxi which we will send at 13:15 and 14:15. In case you wish to use the pick-up service please inform Caroline Heer (sekretariat.stem@is.mpg.de) accordingly.

Talks

Duration of talks: 25 minutes plus 15 minutes discussion

Presentation/Abstract

A beamer will be available. Please have your presentation on USB stick for easy transfer. We would very much appreciate if all speakers had their abstracts available as a pdf file. Finally we will put them on a FTP server from which everybody can download the files for a certain period of time.

Food

Please inform Caroline Heer if you need vegetarian food.

Departure

Saturday morning, July 30th, 2011, after breakfast.