



## StEM Workshop at Ringberg Castle, Lake Tegernsee, Germany

July 15<sup>th</sup> - July 17<sup>th</sup>, 2015

### Programme

<b>Wednesday, July 15, 2015</b>	
<b>14:30 – 14:40</b>	Opening and Welcome Peter A. van Aken
	<b>TEM and STEM</b> <span style="float: right;"><b>Chair: Giuliano Gregori</b></span>
<b>14:40 – 15:20</b>	Wilfried Sigle <i>Principles and limitations of techniques used in TEM/STEM</i>
<b>15:20 – 16:00</b>	Peter van Aken <i>Which problems can be tackled by these techniques?</i>
<b>16:00</b>	Coffee break
<b>16:30 – 16:40</b>	Alison Mark <i>Equipment of StEM group</i>
<b>16:40 – 17:00</b>	Alison Mark <i>Current scientific projects</i>
<b>17:00 – 17:40</b>	Vesna Srot <i>TEM studies on biomaterials</i>
<b>18:00</b>	Dinner
	<b>Chair: Yi Wang</b>
<b>19:30 – 20:10</b>	Giuliano Gregori <i>Why is TEM analysis relevant for ionically conducting materials?</i>

Thursday, July 16, 2015	
	<b>Oxides and more</b> <span style="float: right;"><b>Chair: Peter van Aken</b></span>
<b>09:00 – 09:30</b>	Gennady Logvenov <i>Fine tuning of the properties of complex oxides heterostructures. What we could learn from HRTEM studies?</i>
<b>09:30 – 10:00</b>	Hans Boschker <i>STEM from the point of view of a film-grower</i>
<b>10:00 – 10:30</b>	Ali Teker <i>Optimization possibilities for oxide heterostructures</i>
<b>10:30 – 11:00</b>	Coffee break
<b>11:00 – 11:30</b>	Masahiko Isobe <i>Quantum Materials —new transition metal compounds with exotic electronic phases</i>
<b>11:30 – 12:00</b>	Eva Benckiser <i>X-ray spectroscopy on oxide heterostructures</i>
<b>12:00 – 12:30</b>	Stefan Kaiser <i>Investigating Transient Electronic and Structural Order using Ultrafast Nano-Optics</i>
<b>12:30</b>	Lunch

Thursday, July 16, 2015	
<b>14:00 – 18:00</b>	Free afternoon (Hiking Wallberg)
<b>18:00</b>	Dinner

Friday, July 17, 2015	
	<p><b>Miscellaneous</b> <span style="float: right;"><b>Chair: Vesna Srot</b></span></p>
<b>09:00 – 09:30</b>	<p>Stephan Rauschenbach <i>Perspectives of Imaging Large Molecules with Electrons</i></p>
<b>09:30 – 10:00</b>	<p>Leslie Schoop <i>Functional materials, from soft to hard matter – Nanochemistry group research</i></p>
<b>10:00 – 10:30</b>	<p>Matthias Kühne <i>Electric control for in-situ TEM studies</i></p>
<b>10:30</b>	Coffee break
<b>11:00 – 11:30</b>	<p>Reinhard Kremer <i>The Scientific Facility 'Chemieservice'</i> <i>Unusual Magnetism of some Low-Dimensional Quantum Magnets</i></p>
<b>11:30 – 12:00</b>	<p>Gang Yu <i>Study of growth and structure of <math>\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}</math> single crystals</i></p>
<b>12:00 – 12:30</b>	<p>Closing Peter A. van Aken</p>
<b>12:30</b>	Lunch
<b>14:00</b>	Departure

## **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**  
**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/>)

### **Talks**

Duration of talks: Leave 5 minutes for discussion

### **Presentation/Abstract**

A beamer will be available. Please have your presentation on USB stick for easy transfer.

### **Departure**

Friday, July 17<sup>th</sup>, 2015 (after lunch)