Strongly correlated transition metal compounds – a farewell to CRC 608

Topics:
- New materials
- Multiferroics
- Superconductors
- Skyrmions
- Surface physics
- Topological insulators

Invited Participants
- Dionys Baeriswyl, Universite de Fribourg
- Eva Benckiser, Max Planck Institute for Solid State Research
- Stefan Blügel, Forschungszentrum Jülich
- Bernd Büchner, IFW Dresden
- Martin Dressel, University of Stuttgart
- Manfred Fiebig, ETH Zurich
- Rudolf Gross, TU Munich
- Maurits Haverkort, University of British Columbia
- Michael Lang, Goethe-University Frankfurt
- Michael Loewenhaupt, TU Dresden
- Angela Möller, University of Houston
- Christian Pfeiderer, TU Munich
- Christian Schüssler-Langeheine, Helmholtz-Zentrum Berlin
- Kai Schmidt, TU Dortmund
- Hao Tjeng, Max Planck Institute for Chemical Physics of Solids Dresden
- Götz Uhrig, TU Dortmund
- Dieter Vollhardt, University of Augsburg
- Matthias Vojta, TU Dresden

Organizing Committee:
- S. Trebst
- M. Braden
- T. Michely
- P. Becker-Bohaty
- A. Rosch
- G. Meyer

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Cologne
March, 6.3.2013 – 8.3.2013

Hosted by
SFB 608

University of Cologne
Special Research Grant SFB 608
Chairman: Prof. Dr. A. Rosch
### Strongly correlated transition metal compounds – a farewell to CRC 608

#### Program Overview

**All talks** will take place in HS II.
The **poster session** will be hosted in the **Foyer**.
The **conference dinner** will take place at **Restaurant Riphahn** near the Neumarkt.

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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title/Details</th>
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<tr>
<td>09:00 – 09:30</td>
<td>Manfred Fiebig</td>
<td>Unusual Manifestations of Ferroelectric Order in Multiferroics</td>
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<td>09:30 – 10:00</td>
<td>Joachim Hemberger</td>
<td>Dynamics near the multiferroic phase transition</td>
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<tr>
<td>10:00 – 10:30</td>
<td>Petra Becker-Bohaty</td>
<td>Magnetoelectric and multiferroic materials</td>
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<td>10:30 – 11:00</td>
<td>Coffee break</td>
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<tr>
<td>11:00 – 11:30</td>
<td>Hao Tjeng</td>
<td>Fascinating materials and thin films: Cologne youngsters’ recent results at the Max Planck in Dresden</td>
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<tr>
<td>11:30 – 12:00</td>
<td>Paul van Loosdrecht</td>
<td>Dynamic heat transport shining light on phonon-magnon interactions in low dimensional quantum magnets</td>
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<td>12:00 – 12:30</td>
<td>Christian Schüssler-Langheine</td>
<td>Time-resolved x-ray diffraction from complex materials</td>
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<td>12:30 – 14:00</td>
<td>Lunch</td>
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<td>14:00 – 14:30</td>
<td>Matthias Vojta</td>
<td>Weakly doped cuprates: Fractionalized Fermi liquids?</td>
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<td>14:30 – 15:00</td>
<td>Rudolf Gross</td>
<td>Fermi surfaces in electron-doped cuprate superconductors</td>
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<td>15:00 – 15:30</td>
<td>Hans Kroha</td>
<td>Strong correlations in inhomogeneous quantum systems</td>
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<tr>
<td>16:00 – 16:30</td>
<td>Dieter Vollhardt</td>
<td>Electronic Correlations and Structural Stability</td>
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<td>16:30 – 17:00</td>
<td>Markus Braden</td>
<td>Stripe-like ordering of charges, orbitals and spins in layered manganites</td>
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<td>17:00 – 17:30</td>
<td>Angela Möller</td>
<td>Magnetic Properties and Lattice Dynamics of Triangular and Honeycomb Lattices</td>
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<td>19:00 – 21:30</td>
<td>Conference dinner</td>
<td>Dinner speeches: Axel Freimuth, Markus Braden</td>
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<td>20:00 – 22:00</td>
<td>Dinner session</td>
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<td>22:00 – 23:00</td>
<td>Farewell</td>
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