

## Dielectric Solids Division Fachverband Dielektrische Festkörper (DF)

Mirco Imlau  
Fachbereich Physik  
Barbarastraße 7, 49069 Osnabrück  
Universität Osnabrück  
E-Mail: mimplau@uos.de

### Overview of Invited Talks and Sessions (lecture rooms HSZ 401, WIL A 317, WIL B 321, and Poster P5)

#### Invited Talks

|         |     |             |          |  |
|---------|-----|-------------|----------|--|
| DF 3.1  | Mon | 14:30–15:00 | WIL A317 | <b>Interaction of molecules with dielectric surfaces: From single molecular adsorption to functional devices</b> — ●LUKAS M. ENG |
| DF 3.5  | Mon | 16:10–16:40 | WIL A317 | <b>Fluorescence and ordering of aromatic molecules on thin dielectric films</b> — ●MORITZ SOKOLOWSKI                             |
| DF 4.1  | Mon | 10:00–10:35 | WIL B321 | <b>Magnetoelectric effects and excitations in multiferroic manganites</b> — ●ANDREI PIMENOV                                      |
| DF 7.1  | Tue | 14:00–14:35 | WIL A317 | <b>Origins of large piezoelectric response and lead-free alternatives to PZT</b> — ●DRAGAN DAMJANOVIC                            |
| DF 10.1 | Wed | 10:00–10:35 | WIL A317 | <b>Photoswitchable Complexes: Properties and Applications</b> — ●DOMINIK SCHANIEL  |
| DF 11.1 | Wed | 14:30–15:05 | WIL A317 | <b>Real-time probing of structural dynamics in perovskite materials</b> — ●THOMAS ELSAESSER                                      |
| DF 14.1 | Thu | 10:00–10:35 | WIL A317 | <b>Spatial nonlinear optics in photonic crystals</b> — ●DETLEF KIP   |
| DF 16.1 | Thu | 14:30–15:05 | WIL B321 | <b>Simulation of Defects and Domain Structures in Ferroelectrics</b> — ●RALF MÜLLER  |

#### Tutorial: Multiferroics and Magnetoelectrics

Organisation: Wolfgang Kleemann

|        |     |             |         |   |
|--------|-----|-------------|---------|---|
| DF 1.1 | Sun | 16:00–16:45 | HSZ 401 | <b>Magnetic and ferroelectric materials</b> — ●WOLFGANG KLEEMANN                        |
| DF 1.2 | Sun | 16:50–17:35 | HSZ 401 | <b>Magnetoelectric coupling in multiferroics: Recent developments</b> — ●MANFRED FIEBIG |
| DF 1.3 | Sun | 17:40–18:30 | HSZ 401 | <b>Multiphase multiferroics</b> — ●KATHRIN DÖRR   |

#### Focus Session: Interaction of Molecules with Dielectric Surfaces

Organisation: Angelika Kühnle

|        |     |             |          |  |
|--------|-----|-------------|----------|--|
| DF 3.1 | Mon | 14:30–15:00 | WIL A317 | <b>Interaction of molecules with dielectric surfaces: From single molecular adsorption to functional devices</b> — ●LUKAS M. ENG                           |
| DF 3.2 | Mon | 15:05–15:25 | WIL A317 | <b>Studying terephthalic acid on dielectric surfaces using non-contact atomic force microscopy</b> — ●PHILIPP RAHE, MARKUS NIMMICH, ANGELIKA KÜHNLE        |
| DF 3.3 | Mon | 15:25–15:45 | WIL A317 | <b>Theoretical contributions to the characterization of adsorbates at titania surfaces</b> — ●THOMAS BREDOW  |
| DF 3.4 | Mon | 15:45–16:05 | WIL A317 | <b>Accurate Energetics of Ground and Excited States of Molecules on Surfaces</b> — ●THORSTEN KLÜNER  |
| DF 3.5 | Mon | 16:10–16:40 | WIL A317 | <b>Fluorescence and ordering of aromatic molecules on thin dielectric films</b> — ●MORITZ SOKOLOWSKI   |
| DF 3.6 | Mon | 16:40–17:00 | WIL A317 | <b>Determination of Molecule Orientation on Oxide Surfaces by Near-Edge X-ray Absorption Spectroscopy</b> — ●ALEXEI NEFEDOV, MIKHAIL NABOKA, CHRISTOF WÖLL |

DF 3.7 Mon 17:00–17:20 WIL A317 **Adsorption of Organic Molecules on Moderately Reactive Substrates** — •MICHAEL ROHLFING, ANDREAS GREULING, THOMAS BREDOW

### Symposium SYAI: Ab-Initio Approaches to Excitations in Condensed Matter

See SYAI for the full program of the Symposium.

#### Sessions

|               |     |             |          |  |
|---------------|-----|-------------|----------|--|
| DF 1.1–1.3    | Sun | 16:00–18:30 | HSZ 401  | <b>Tutorial: Multiferroics and Magnetoelectrics</b>                      |
| DF 2.1–2.7    | Mon | 10:40–13:00 | WIL A317 | <b>Dielectric Spectroscopy &amp; Microscopy</b>                          |
| DF 3.1–3.7    | Mon | 14:30–17:20 | WIL A317 | <b>Focus Session: Interactions of Molecules with Dielectric Surfaces</b> |
| DF 4.1–4.7    | Mon | 10:00–12:40 | WIL B321 | <b>Multiferroics, Phase Transitions &amp; Relaxors</b>                   |
| DF 5.1–5.6    | Mon | 15:00–17:00 | WIL B321 | <b>High-k and low-k Dielectrics</b>                                      |
| DF 6.1–6.16   | Tue | 9:30–12:30  | P5       | <b>Poster I</b>  |
| DF 7.1–7.6    | Tue | 14:00–16:20 | WIL A317 | <b>Advanced Dielectrics</b>  |
| DF 8.1–8.8    | Tue | 10:00–12:40 | WIL B321 | <b>Glass I</b>   |
| DF 9.1–9.6    | Tue | 14:00–16:00 | WIL B321 | <b>Glass II</b>  |
| DF 10.1–10.7  | Wed | 10:00–12:40 | WIL A317 | <b>Photonic Dielectrics I</b>  |
| DF 11.1–11.7  | Wed | 14:30–17:10 | WIL A317 | <b>Photonic Dielectrics II</b>   |
| DF 12.1–12.15 | Wed | 9:30–12:30  | P5       | <b>Poster II</b>   |
| DF 13.1–13.7  | Wed | 14:40–17:00 | WIL B321 | <b>Thin Films and Nanostructures I</b>                                   |
| DF 14.1–14.8  | Thu | 10:00–13:00 | WIL A317 | <b>Photonic Dielectrics III</b>  |
| DF 15.1–15.7  | Thu | 10:40–13:00 | WIL B321 | <b>Thin Films and Nanostructures II</b>                                  |
| DF 16.1–16.5  | Thu | 14:30–16:30 | WIL B321 | <b>Thin Films and Nanostructures III</b>                                 |

### Annual General Meeting Dielectric Solids Division

Mittwoch 17:30–18:30 Raum WIL A 317

- Bericht des Fachverbandsleiters
- Tagungsnachlese
- Eingeladene Vorträge 2010
- Tutorial, Focus Sessions und Symposia 2010
- Verschiedenes

### Annual General Meeting Crystallography Division

Donnerstag 17:00–18:00 Raum WIL B321