



Mathematics & Chemistry Seminar

Fall 2010/11

- 05.11.2010** **Wolfgang Domcke (TUM, Chemistry)**
The relativistic Jahn-Teller effect
- Alain Joye (Grenoble, Mathematics)**
Vibrational Levels Associated with Hydrogen Bonds
- 26.11.2010** **Alexander Auer (MPI für Eisenforschung, Düsseldorf)**
Coupled Cluster Theory and Tensor Decomposition Techniques
- Reinhold Schneider (TU Berlin, Mathematics)**
Recent tensor formats and the DMRG algorithm
- 10.12.2010** **Luigi Delle Site (MPI für Polymerforschung, Mainz)**
Adaptive Resolution Simulation: Linking Quantum, Atomistic and Continuum in a concurrent way
- Michael Griebel (Universität Bonn/Fraunhofer-Institut SCAI)**
Sparse grid methods for the electronic Schroedinger equation
- 21.01.2011** **Regina de Vivie-Riedle (LMU, Chemistry)**
Electron dynamics and its control in molecules
- Olof Runborg (KTH, Stockholm)**
Gaussian beam approximations

Date/Time: Friday afternoon, 14:00 First talk, 15:00 Coffee, 15:30 Second talk

Organizers: Caroline Lasser (classer@ma.tum.de), Gero Friesecke (gf@ma.tum.de)

Venue: Zentrum Mathematik der TUM, Boltzmannstr. 3, 95784 Garching, Room: 02.08.011

All interested are welcome!