

2. Dichtefunktionaltage in Tübingen September 17-19, 2014 (Density Functional Days in Tübingen)

organized by Roland Roth, Martin Oettel (Uni Tübingen),
and Joe Brader (Uni Fribourg)

Location: Auf der Morgenstelle 14 (**Building D**), room **D4A19**

Wednesday, Sep 17		Electostatics, Dynamics I
14.00-14.45	Dirk Gillespie (Chicago)	Progress toward a self-consistent electrostatic functional
14.45-15.30	Andreas Härtel (Utrecht)	Application of FMT: Structure next to a (charged) wall
<i>15.30-16.00</i>		<i>coffee break</i>
16.00-16.45	Martin Oettel (Tübingen)	Anomalous diffusion in partially confined systems
16.45-17.30	Matthias Krüger (Stuttgart)	Density Functional Theory Approach to Rheology in Confinement
17.30-19.00		discussion with beer and wine
Thursday, Sep 18		Fluid Interfaces
9.00-9.45	Bob Evans (Bristol)	Is Solvophobic different from Hydrophobic?
9.45-10.30	Andy Parry (London)	Uncertainty and the wave vector dependent surface tension
<i>10.30-11.00</i>		
11.00-11.45	Roland Roth (Tübingen)	Liquid-Vapor Interfaces in Confined Geometries
11.45-12.30	Hendrik Hansen-Goos (Tübingen)	Hadwiger's theorem, fundamental measure theory, and simulations for hard-sphere fluids at curved hard walls
<i>12.30-13.45</i>		<i>Lunch</i>
<i>13.45</i>		<i>Workshop photo</i>

Thursday, Sep 18		Dynamics II, Fundamentals
14.00-14.45	Matthias Schmidt (Bayreuth)	Power functional theory
14.45-15.30	Daniel de las Heras (Bayreuth)	The relation between grand canonical and canonical ensembles in density functional theory
<i>15.30-16.00</i>		<i>coffee break</i>
16.00-16.30	Joe Brader (Fribourg)	The excess dissipation of power functional theory
16.30-17.15	Serafim Kalliadasis (London)	Intricacies of the moving contact line at the macroscale down to the microscale fluid structure
17.15-18.00	Markus Bier (Stuttgart)	Non-equilibrium interfaces in colloidal fluids
<i>19.00</i>		<i>Workshop dinner (Ludwig's)</i>
Friday, Sep 19		Crystals, Non-spherical Systems
9.00-9.45	Daniel Borgis (Paris)	Molecular density functional theory: present stage and future
9.45-10.30	Rene Wittmann (Erlangen)	FMT for anisotropic bodies - How empirical does it need to be?
<i>10.30-11.00</i>		<i>coffee break</i>
11.00-11.45	Andy Archer (Loughborough)	Surface freezing, surface melting and crystal nucleation: results for a two-dimensional soft-core fluid
11.45-12.30	Johannes Häring (Konstanz)	Deriving Elasticity Theory from density functional theory: application to cluster crystals
<i>12.30</i>		<i>Closing remarks</i>