

3. Dichtefunktionaltage in Tübingen September 28-30, 2015 (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

Monday, Sep 28		Basic Systems and Interfaces I
14.00-14.45	Bob Evans (Bristol)	Density Fluctuations and Critical Drying in Simple Liquids and 'Water': DFT and Simulation
14.45-15.30	Ken Koga (Okayama)	DFT models of interfaces near critical endpoints and tricritical points: some preliminary results
15.30-16.00		<i>coffee break</i>
16.00-16.45	Andy Parry (London)	Exact results for the local structure factor near an interface
16.45-17.30	Dirk Gillespie (Chicago)	Continuing Toward a Better Electrostatic Functional
17.30-19.00		<i>Discussion with beer and wine</i>
Tuesday, Sep 29		Basic Systems and Interfaces II, Crystals
9.00-9.45	Roland Roth (Tübingen)	Inhomogeneous Bulk Phases in Fluids with Competing Interactions
9.45-10.30	Andreas Härtel (Mainz)	Anisotropic pair correlations in binary and multi-component hard-sphere mixtures in the vicinity of a hard wall
10.30-11.00		<i>coffee break</i>
11.00-11.45	Martin Oettel (Tübingen)	Crystals in the Asakura-Oosawa model with DFT
11.45-12.30	Tadeus Ras (Konstanz)	Phonon modes in Disordered Binary Crystals
12.30-13.45		<i>Lunch</i>
13.45		<i>Workshop photo</i>

Tuesday, Sep 29		Dynamics I
14.00-14.45	Matthias Schmidt (Bayreuth)	Progress in Power Functional Theory
14.45-15.30	Joe Brader (Fribourg)	Particle conserving dynamical density functional theory
15.30-16.00		<i>coffee break</i>
16.00-16.45	Matthias Krüger (Stuttgart)	Describing flow in different models
16.45-17.30	Hendrik Hansen-Goos (Tübingen)	DDFT approach for diffusion in dense suspensions of colloidal hard spheres
19.00		<i>Workshop dinner (Ludwig's)</i>
Wednesday, Sep 30		Dynamics II, Complex Systems
9.00-9.45	Jim Lutsko (Bruxelles)	Stabilization of Protein Clusters from DDFT
9.45-10.30	Pawel Bryk (Lublin)	Density functional theory for polymeric fluids in 2D
10.30-11.00		<i>coffee break</i>
11.00-11.45	Daniel de las Heras (Bayreuth)	Reentrant percolation in patchy colloids under gravity
12.30		<i>Closing remarks</i>