

CODEF III



“Colloidal Dispersions in External Fields“

(March 20 - March 23, 2012)

The scientific focus of the conference is on the physics of colloids in confining geometries, under shear, as well as in electric, laser-optical and magnetic fields. Self-organization phenomena in equilibrium and non-equilibrium, where colloidal dispersions play a pivotal role as model systems, will be discussed. Particular emphasis will be put on the combined use of complementary methods, such as experiment, computer simulation and theory.

The conference is held in conjunction with the Collaborative Research Center Transregio SFB TR6 with the title "Physics of Colloidal Dispersions in External Fields". It is the third conference in a series that was started in 2004 by the CODEF I meeting and continued in 2008 by the CODEF II meeting. For further information please visit our website www.codef.de.

Specific topics include:

- colloids in controlled nonequilibrium
- phase transition induced by external fields
- dispersions in confinement
- real-space imaging and scattering
- theoretical models and simulation techniques

Lecturers:

A. Böker (Aachen), **C. Bechinger** (Stuttgart), **D. Bonn** (Paris), **K. Dholakia** (St. Andrews), **S. Dietrich** (Stuttgart), **B. Dünweg** (Mainz), **R. Hanes** (Düsseldorf), **W. Irvine** (New York), **A. Ivlev** (Garching), **G. Jackson** (London), **J. Zhou** (Mainz), **P. Keim** (Konstanz), **C. Kreuter** (Konstanz), **T. Kruppa** (Düsseldorf), **M. Laurati** (Düsseldorf), **P. Lettinga** (Jülich), **B. Liu** (Utrecht), **G. Nägele** (Jülich), **M. Oettel** (Mainz), **T. Ohta** (Kyoto), **T. Palberg** (Mainz), **P. Papadopoulos** (Mainz), **W. Poon** (Edinburgh), **M. Radu** (Luxemburg), **A. Reinmüller** (Mainz), **P. Royall** (Bristol), **S. Singh** (Jülich), **T. Squires** (UCSB), **J. Stellbrink** (Jülich), **P. Virnau** (Mainz), **T. Voigtmann** (Konstanz), **G. Vroege** (Utrecht), **H. Wensink** (Düsseldorf), **D. Wilms** (Mainz)

conference committee:

K. Binder (Mainz), **A. van Blaaderen** (Utrecht), **J.K.G. Dhont** (Jülich), **M. Dijkstra** (Utrecht), **S.U. Egelhaaf** (Düsseldorf), **M. Fuchs** (Konstanz), **H. Löwen** (Düsseldorf), **G. Maret** (Konstanz), **P. Nielaba** (Konstanz), **T. Palberg** (Mainz), **F. Schmid** (Mainz), **D. Vollmer** (Mainz)

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