

International Conference CODEF III

“Colloidal Dispersions in External Fields”



held on
20.3.-23.3.2012

in the Gustav-Stresemann-Institut
Bonn (Bad Godesberg), Germany

Sonderforschungsbereich TR6
“Physics of Colloidal Dispersions in External Fields”

Start of the conference:

Tuesday, 20 March 2012,
13h00



End of the conference:

Friday, 23 March 2012,
12h00

Deadline for early bird registration

30 November 2011

Deadline for normal registration

6 January 2012

Accommodation:



Participants will be
accommodated in the
**Gustav-Stresemann-
Institut Bonn
(Bad Godesberg)**

Contact:

CODEF III Conference Secretary
c/o SFB TR6, Brigitte Schumann
Heinrich-Heine-University Düsseldorf
Universitätsstraße 1, Building 25.32.02.46
40225 Düsseldorf, Germany

Tel.: +49(0)211/81-12746
Fax: +49(0)211/81-12262
Email: transregio@thphy.uni-duesseldorf.de

For more information, please visit our website:
www.codef.de

Registration:

On our website you will find a registration link. Please register before **30 November 2011** to pay the early bird registration fee and until **6 January 2012** for the normal registration fee. After this date the registration link will be closed. Beside the accommodation (3 nights, 20.3.-23.3.2012), the registration fee includes full board, and the conference banquet.

Social Program:

The social program includes an excursion and a conference dinner, which are covered by the registration fee.



Poster Session:

Every participant is welcome to present a poster. Therefore, please tick the appropriate box on the registration form on our website www.codef.de. Please submit your title and abstract before 15.1.2012.

Special issue in the Journal of Physics: Condensed Matter:

In conjunction with the CODEF III meeting, a special issue of the *Journal of Physics: Condensed Matter* will be published including the invited talks.



Venue:

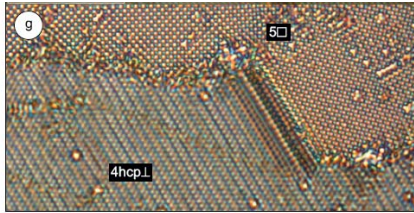
The conference will take place in the Gustav-Stresemann-Center Bonn, where your accommodation is provided as well. Useful maps on our website will show you the way from the airports Köln-Bonn, Düsseldorf and Frankfurt.

Scope of the Conference:

Soft matter in general and colloidal dispersions in particular are characterized by their susceptibility to manipulation by even weak external fields. 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* "Physics in Colloidal Dispersions in External Fields". It is the third conference in a series that was started in 2004 by the CODEF I meeting.



Specific topics include:

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

The scientific program also includes a poster session which is open to all participants.

Preliminary Program

Date	Time	Activity	Speaker
Tue, 20.3.2012	12:45 - 14:15	Lunch	
	14:15 - 14:30	Opening Remarks	
	14:30 - 14:50	A1 Lettinga	
	14:50 - 15:10	A2 Stellbrink	
	15:10 - 15:30	A4 Singh	
	15:30 - 16:00	Coffee Break	
	16:00 - 16:30	Squires	
	16:30 - 16:50	A5 Virnau	
	16:50 - 17:20	Irvine	
	17:20 - 17:40	A6 Laurati	
17:40 - ...	Dinner		
Wed, 21.3.2012	8:00 - 9:00	Breakfast	
	9:00 - 9:30	Bechinger	
	9:30 - 9:50	A7 Voigtmann	
	9:50 - 10:10	B1 Palberg	
	10:10 - 10:40	Dietrich	
	10:40 - 10:55	Coffee Break	
	10:55 - 11:25	Bonn	
	11:25 - 11:45	B2 Nägele	
	11:45 - 12:15	Ivlev	
	12:15 - 12:35	B4 Dünweg	
12:35 - 14:00	Lunch		
14:00 - 14:30	Ohta		
14:30 - 14:50	B7 Papadopoulos		
14:50 - 15:10	B8 Liu		
15:10 - 15:30	Coffee Break		
15:30 - 16:00	Dholakia		
16:00 - 18:30	Poster Session		
18:30 - ...	Dinner		
Thu, 22.3.2012	8:00 - 9:00	Breakfast	
	9:00 - 9:30	Bechinger	
	9:30 - 9:50	A7 Voigtmann	
	9:50 - 10:10	B1 Palberg	
	10:10 - 10:40	Dietrich	
	10:40 - 10:55	Coffee Break	
	10:55 - 11:25	Bonn	
	11:25 - 11:45	B2 Nägele	
	11:45 - 12:15	Ivlev	
	12:15 - 12:35	B4 Dünweg	
12:35 - 14:00	Lunch		
14:00 - 14:20	C4 Wilms		
14:20 - 14:40	C7 Hanes		
14:40 - ...	Excursion and Conference Dinner		
Fri, 23.3.2012	8:00 - 9:00	Breakfast	
	9:00 - 9:20	D1 Reinmüller	
	9:20 - 9:40	D3 Wensink	
	9:40 - 10:00	D5 Radu	
	10:00 - 10:30	von Klitzing	
	10:30 - 10:50	Coffee Break	
	10:50 - 11:10	D6 Vroege	
	11:10 - 11:30	NI Oettel	
	11:30 - 11:45	Closing Remarks	
	11:45 - 14:00	Lunch	
	Departure		



List of invited speakers:

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. Jiang** (Mainz), **P. Keim** (Konstanz), **R. von Klitzing** (Berlin), **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)

Organizing Committee:

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

Local Organizing Committee:

J.K.G. Dhont, S.U. Egelhaaf, J. Horbach, H. Löwen (Chair), B. Schumann

The conference is kindly supported by:

DFG, SFB TR6,
pictures: www.bonn.de

