

Proceedings of the Colloidal Dispersions in External Fields II Conference (Bonn-Bad Godesberg, 31 March–2 April 2008)

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## PREFACE

# Proceedings of the Colloidal Dispersions in External Fields II Conference (Bonn-Bad Godesberg, 31 March–2 April 2008)

### Guest Editor

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This special issue reflects the scientific programme of the International Colloidal Dispersions in External Fields Conference (CODEF II) that took place in Bonn-Bad Godesberg from 31 March–2 April 2008. This is the second conference in a series that started in 2004 when the first CODEF meeting was held. The proceedings of the first CODEF meeting were summarized in a previous special issue (*Journal of Physics: Condensed Matter* **16** (issue 38)). The present issue represents recent progress in this rapidly developing field.

The CODEF meeting series is held in conjunction with the German–Dutch Transregional Collaborative Research Centre SFB TR6 with the title *Physics of Colloidal Dispersions in External Fields*. Scientists working within this network as well as international invited guest speakers contributed to these meetings.

The contributions in this issue are organized according to the type of different fields applied namely:

- bulk (no external field)
- shear flow
- electric field
- magnetic and laser-optical field
- confinement

We would like to thank the CODEF II sponsors (Deutsche Forschungsgemeinschaft and MWFZ Mainz) for their financial support. Furthermore, we thank IOP Publishing for their willingness to publish the proceedings of this conference as a special issue.

### Participants

O Alarcón-Waess (Puebla), M Allen (Coventry), J L Arauz-Lara (San Luis Potosi), L Assoud (Düsseldorf), G K Auernhammer (Mainz), R Backofen (Dresden), M Balbás-Gambra (Munich), J Bammert (Bayreuth), M Baptista (Mainz), J-L Barrat (Lyon), M Bier (Utrecht), K Binder (Mainz), R Blaak (Düsseldorf), V Blickle (Stuttgart), D Block (Kiel), S Böhm (Düsseldorf), V Botan (Mainz), J P Bouchaud (Paris), J Brader (Konstanz), G Brambilla (Montpellier), W J Briels (Enschede), M Brinkmann (Göttingen), C Brunet (Paris), H-J Butt (Mainz), M A Camargo Chaparro (Düsseldorf), R Castañeda Priego (Guanajuato), J J Cerdà Pino (Frankfurt), A Chatterji (Jülich), M Chavez-Paez (San Luis Potosi), A Chremos (Edinburgh), D Y H Chui (Mainz), D Deb (Graz), C Dellago (Vienna), J Dhont (Jülich), P Dillmann (Konstanz), G Dominguez (Leipzig), M Duits (Enschede), B Dünweg (Mainz), F Ebert (Konstanz), S Egelhaaf (Düsseldorf), E Eggen (Utrecht), R Eichhorn (Bielefeld), E Eiser (Cambridge), H B Eral (Enschede), A Erbe (Konstanz), L Filion (Utrecht),

G Foffi (Lausanne), J Fornleitner (Vienna), K Franzrahe (Konstanz), D Frenkel (Cambridge), M Fuchs (Konstanz), G Fytas (Heraklion), P Garstecki (Warsaw), I Gazuz (Konstanz), N Geerts (Amsterdam), G Gompper (Jülich), E Gonzalez-Tovar (San Luis Potosi), I Götz (Jülich), S Grandner (Berlin), L Gránásy (London), C Gutsche (Leipzig), D Hajnal (Mainz), R Hanes (Düsseldorf), A Härtel (Düsseldorf), P Henseler (Konstanz), C Hertlein (Stuttgart), C Holm (Mainz), J Hoogenboom (Barcelona), P Hopkins (Bristol), J Horbach (Cologne), C-C Huang (Jülich), K Huang (Göttingen), S Huißmann (Düsseldorf), M Humar (Ljubljana), S Iacopini (Mainz), A Imhof (Utrecht), A Ivlev (Garching), K Jacobs (Saarbrücken), J Jakobi (Hannover), O Jansen (Düsseldorf), M Jenkins (Düsseldorf), J Jordanovic (Berlin), S Jungblut (Mainz), M Kahn (Vienna), T Kalwarczyk (Warsaw), K Kegler (Leipzig), P Keim (Konstanz), Z Keqin (Singapore), U F Keyser (Leipzig), T Köller (Mainz), K Kremer (Mainz), M Krüger (Konstanz), A Kuijk (Utrecht), P Lang (Jülich), M Laurati (Düsseldorf), W Lechner (Vienna), H Lehle (Stuttgart), P Leiderer (Konstanz), H Lekkerkerker (Utrecht), P Lettinga (Jülich), A Libal (San Mart), B Lonetti (Jülich), N J Lorenz (Mainz), H Löwen (Düsseldorf), H Maleki (Mainz), J-G Malherbe (Paris), M Marechal (Utrecht), G Maret (Konstanz), C Mayer (Rome), S Mazoyer (Konstanz), M McPhie (Jülich), M Medina-Noyola (San Luis Potosi), A Melzer (Greifswald), A Menéndez-Manjón (Hannover), R Messina (Düsseldorf), H Michiel (Utrecht), P Mishra (Düsseldorf), J Mixteco (Guanajuato), B Moser (Düsseldorf), G Nägele (Jülich), R R Netz (Munich), P Nielaba (Konstanz), E Noruzifar (Mainz), M Oettel (Mainz), O Otto (Leipzig), S Overduin (Düsseldorf), E C Oğuz (Düsseldorf), T Palberg (Mainz), G Pauschenwein (Vienna), G Pellicane (Messina), F Peth (Mainz), P Pfeleiderer (Mainz), D J Pine (New York), D Pini (Milan), H Reiber (Mainz), V Reshetnyak (Kiev), M Rex (Düsseldorf), M Ripoll (Jülich), M Roth (Mainz), P Royall (Bristol), M Rubin-Zuzic (Garching), T Schilling (Mainz), A Schmidt (Düsseldorf), M Schmiedeberg (Berlin), H J Schöpe (Mainz), S Schreiber (Bayreuth), B Schumann (Düsseldorf), F Sciortino (Rome), L Shapran-Reiber (Mainz), M Siebenbürger (Bayreuth), S P Singh (New Delhi), R Siquieri (Aachen), F Smalenburg (Utrecht), I Snook (Melbourne), M Sperl (Cologne), J Stellbrink (Jülich), E Stiakakis (Jülich), T Szyborski (Warsaw), H Tanaka (Tokyo), P Tierno (Barcelona), U Tkalec (Ljubljana), A Tsigkri (Jülich), T Tückmantel (Düsseldorf), C Valeriani (Edinburgh), A van Blaaderen (Utrecht), E van den Pol (Utrecht), J van Meel (Amsterdam), P van Oostrum (Utrecht), R van Roij (Utrecht), S van Teeffelen (Düsseldorf), L Verhoeff (Utrecht), E Vermolen (Utrecht), R Vink (Göttingen), P Virnau (Mainz), T Voigtmann (Cologne), D Vollmer (Mainz), G J Vroege (Utrecht), H R Vutukuri (Utrecht), C Walz (Konstanz), M Walz (Erlangen), D A Weitz (Harvard), J Wenk (Düsseldorf), R Wensink (London), F Weyßer (Konstanz), L Willner (Jülich), R G Winkler (Jülich), A Wynveen (Düsseldorf), A Wysocki (Düsseldorf), J Zausch (Mainz), J Zhao (Mainz), M Zietara (Konstanz), U Zimmermann (Düsseldorf), J Zwanikken (Utrecht).

