

Transregio SFB Workshop

MPIP-Mainz, September 22-23, 2003

Meeting Schedule:

22.09

12:30 - 13:00 Arrival and info meeting

13:00 - 14:00 Lunch

14:00 - 16:00 Session 1 (Project A)

16:00 - 16:30 Coffee Break

16:30 - 19:00 Session 2 (Project A + B)

19:00 - Dinner

23.09

08:30 - 10:30 Session 3 (Project C)

10:30 - 11:00 Coffee Break

11:00 - 13:00 Session 4 (Project D)

13:00 - Lunch

Scientific Program

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| Monday 22.09.2003 | |
| Session 1 | |
| 14:00-14:30 | Pavlik Lettinga (A1) Instabilities in fd virus dispersions under shear (large files! (movie 1) (movie 2) (movie 3)) |
| 14:30-15:00 | Didi Derks (A3) Real space study of concentrated colloidal suspensions in a steady shear field large files! (movie 1) (movie2) (movie3) (movie 4) (movie 5) |
| 15:00-15:30 | Marisol Ripoll (A4) Hydrodynamic Behavior of a Mesoscopic Solvent (I): Simple Fluid |
| 15:30-16:00 | Kiaresch Mussawisade (A4) Hydrodynamic Behavior of a Mesoscopic Solvent (II): Polymer Solution |
| 16:00-16:30 | Coffee Break |
| Session 2 | |
| 16:30-17:00 | Richard Vink (A5) Grand Canonical Monte Carlo Simulations of Asymmetric Binary Mixtures |
| 17:00-17:30 | Mathieu McPhie (B2) Colloidal electrolyte friction |
| 17:30-18:00 | Vladimir Lobaskin (B4) |

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| | Modeling short-time dynamics in colloidal dispersions (movie 1) |
| 18:00-19:00 | General Discussion |
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| Tuesday 23.09.2003 | |
| Session 3 | |
| 8:30-9:00 | Cristoph Eisenmann (C2) Melting of anisotropic colloidal crystals in 2D |
| 9:00-9:30 | Vladimir Froltsov (C3) Crystal structure of two-dimensional magnetic colloids in a tilted external magnetic field |
| 9:30-10:00 | Kerstin Franzrahe (C4) Elastic Constants in Modell Colloidal Crystals from Microscopic Strain Fluctuations |
| 10:00-10:30 | Stephen Martin (C5) Experimental measurements of the hydrodynamic coupling between colloidal particles (movie 1) (movie 2) (movie 3) (movie 4) |
| 10:30-11:00 | Coffee Break |
| Session 4 | |
| 11:00-11:30 | Ronald Blaak (D1) Homogeneous Nucleation under Shear |
| 11:30-12:00 | Rene Messina (D1) Reentrant transitions in colloidal or dusty plasma bilayers |
| 12:00-12:30 | Paul Wessels (D3) Surface Tension of a Model Colloid-Polymer Mixture with a Hard Wall |
| 12:30-13:00 | Andrea Fortini (D4) Capillary condensation of colloid-polymer mixtures confined between parallel plates |
| 13:00-13:30 | General discussion |

Practical information:

Meeting location:

H Staudinger Hörsaal 1.520, Max-Planck-Institut für Polymerforschung,
Ackermannweg 10, 55128 Mainz

Lodging:

Tulip Inn Central Hotel Eden, Bahnhofplatz 8, 55116 Mainz

Transport:

Bus 68 from Mainz Central station (direction Lerchenberg): 10:59, 11:29, 11:59 till Ackermannweg.

List of participants

| | Name | Project | Affiliation |
|----|---------------------------------------|---------|---|
| 1 | Pavlik Lettinga | A1 | Forschungszentrum Jülich, IFF D-52425 Jülich, Germany |
| 2 | Kyong Kang | A1 | Forschungszentrum Jülich, IFF D-52425 Jülich, Germany |
| 3 | Didi Derks | A3 | Soft Condensed Matter Debye Institute, Utrecht University 3584 CC Utrecht, The Netherlands |
| 4 | Yu Ling Wu (poster) | A3 | Soft Condensed Matter Debye Institute, Utrecht University 3584 CC Utrecht, The Netherlands |
| 5 | Kiaresch Mussawisade | A4 | Forschungszentrum Jülich, IFF D-52425 Jülich, Germany |
| 6 | Marisol Ripoll | A4 | Forschungszentrum Jülich, IFF D-52425 Jülich, Germany |
| 7 | Richard Vink | A5 | Johannes Gutenberg-Universität Staudingerweg 7, D-55099 Mainz |
| 8 | Hans Schöpe | B1 | Johannes Gutenberg-Universität Staudingerweg 7, D-55099 Mainz |
| 9 | Barreira Fontecha | B1 | Johannes Gutenberg-Universität Staudingerweg 7, D-55099 Mainz |
| 10 | Mathieu McPhie | B2 | Forschungszentrum Jülich, IFF D-52425 Jülich, Germany |
| 11 | Vladimir Lobaskin | B4 | Max-Planck-Institut für Polymerforschung, D-55128 Mainz |
| 12 | Cristoph Eisenmann | C2 | Universität Konstanz Fachbereich Physik, D-78457 Konstanz |
| 13 | Urs Gasser | C2 | Universität Konstanz Fachbereich Physik, D-78457 Konstanz |
| 14 | Vladimir Froltsov | C3 | Institut für Theoretische Physik II, Heinrich-Heine-Universität Düsseldorf, D-40225 Düsseldorf, Germany |
| 15 | Kerstin Franzrahe | C4 | Universität Konstanz Fachbereich Physik D-78457 Konstanz |
| 16 | Stephen Martin | C5 | Universität Konstanz Fachbereich Physik D-78457 Konstanz |

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| 17 | Michael Reichert | C5 | Universität Konstanz Fachbereich Physik D-78457 Konstanz |
| 18 | Ronald Blaak | D1 | Institut für Theoretische Physik II, Heinrich-Heine-Universität Düsseldorf, D-40225 Düsseldorf, Germany |
| 19 | Rene Messina | D1 | Institut für Theoretische Physik II, Heinrich-Heine-Universität Düsseldorf, D-40225 Düsseldorf, Germany |
| 20 | Patrick Wette | D1 | Johannes Gutenberg-Universität Staudingerweg 7, D-55099 Mainz |
| 21 | Paul Wessels | D3 | Institut für Theoretische Physik II, Heinrich-Heine-Universität Düsseldorf, D-40225 Düsseldorf, Germany |
| 22 | Andrea Fortini | D4 | Soft Condensed Matter Debye Institute, Utrecht University 3584 CC Utrecht, The Netherlands |