Start of the workshop

Tuesday, 11 November 2014, 18:00 – Registration and Welcome Buffet

Wednesday, 12 November 2014, 9:00 - Start of scientific programme

End of the workshop

Friday, 14 November 2014, 14:00 – End of scientific programme

Conference Fee

The conference fee will be for

Participants EUR 540 Students EUR 300

The conference fees include lodging and full board at the Seminaris Hotel, Bad Honnef.

Accommodation

Participants will be accommodated on-site at the Seminaris Hotel, Bad Honnef. Room sharing may be necessary, due to the restricted number of rooms available.

Web Pages

http://www.fz-juelich.de/ics/jsmdays/

Scientific Organization

J. K. G. Dhont, G. Gompper, D. Richter

Workshop Secretary

M. Göcking

Mailing Address

Forschungszentrum Jülich ICS-3, Conference Secretary 52425 Jülich, Germany

Telephone: +49 2461 61-2292
Telefax: +49 2461 61-8192
Email: jsmdays@fz-juelich.de

How to reach Bad Honnef





See the Seminaris Hotel Bad Honnef web server for travel information: www.seminaris.de/badhonnef

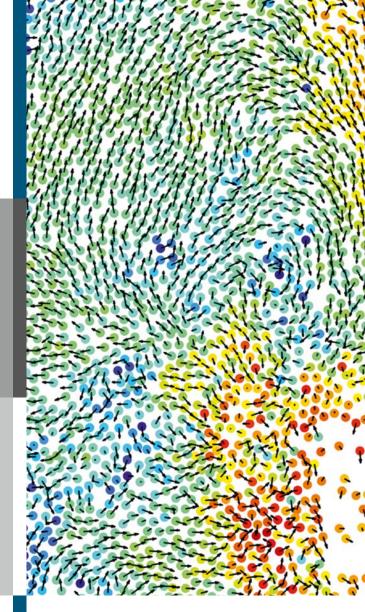
Important Dates

13 June 2014 Submission of Abstracts
30 June 2014 Notification of contributors

August 2014 2nd Announcement

12 September 2014 Deadline for final registration

11 – 14 November 2014 Jülich Soft Matter Days



Jülich Soft Matter Days 2014

11 – 14 November 2014 Seminaris Hotel, Bad Honnef, Germany

1st Announcement
Call for Papers





Soft Matter Science has emerged in recent years as an independent and interdisciplinary research field, bringing together scientists from condensed matter physics, macromolecular and physical chemistry, and molecular and cell biology. The systems investigated in this field include colloidal dispersions, polymer-solutions, mixtures and melts, block copolymers, binary and ternary amphiphilic systems (microemulsions), membranes, vesicles and biological macromolecules, and active systems like synthetic and biological microswimmers. While many of these systems have already been investigated for a long period of time, only recently their common features and interactions have come into focus.

These highly complex materials are characterized by structural units with typical length scales ranging from nanometers to micrometers. The experimental and theoretical investigations as well as the understanding of the properties of these materials poses enormous challenges due to their high complexity, the large number of cooperative degrees of freedom, and the large range of relevant length, time and energy scales.

Therefore, we are organizing the workshop

Jülich Soft Matter Days 2014

on the physics and chemistry of mesoscopically structured systems. We hope that this workshop will provide a forum to share and discuss the latest advances for all active researchers in this field.

New challenges for and applications of Soft Matter Science are emerging. For example, active particle suspensions have properties unknown to complex fluids in equilibrium; nano- and microfluidic devices allow the study of minute samples, sometimes on the single molecule level; soft materials provide new solutions for energy and medical applications, as well as for nanotechnology. Therefore, in this years meeting, which will take place in the vicinity of Jülich from 11 to 14 November 2014, we intend to focus on:

- Biopolymers
- Biosystems
- Colloids
- Functional Polymers
- Polymer Nanocomposites
- Microswimmers

Presentations

The programme will consist of invited lectures, contributed talks and posters.

The list of invited speakers includes:

R.J. Composto University of Pennsylvania, USA

M. Cloitre ESPCI, ParisTech, France

G. Coupier Durham University, United Kingdom

R. de Vries University of Wageningen, The Netherlands

G. Fiore Adolphe Merkle Institute, Marly, Switzerland

E. Lauga University of Cambridge, United Kingdom

R. Leheny Johns Hopkins University, Baltimore, USA

T.P. Lodge University of Minnesota, Minneapolis, USA

F. Marchesoni Univerità degli Studi di Camerino, Italy

M.C. Marchetti Syracuse University, New York, USA

D. Marenduzzo University of Edinburgh, United Kingdom

T. McLeish Durham University, United Kingdom

J. Oberdisse Université Montpellier 2, France

M. Polin University of Warwick, Coventry, United Kingdom

J. Rädler Ludwig-Maximilians-Universität München, Germany

J. Spatz Max-Planck-Institut Stuttgart, Germany

A. Schmidt Universität zu Köln, Germany

A. Stadler Forschungszentrum Jülich, Germany

E. Stiakakis Forschungszentrum Jülich, Germany

H. Tanaka University of Tokyo, Japan

J. Tegenfeldt University of Lund, Sweden

A. van Blaaderen University of Utrecht, The Netherlands

R.G. Winkler Forschungszentrum Jülich, Germany

Additional talks will be selected from the submitted abstracts

Call for Papers

Papers dealing with the topics of the workshop to be presented as orals or posters are welcome. If you wish to present your work, please submit an extended abstract. The abstract headed by a title, name(s) and complete address(es) of the author(s) should be submitted as a Word document or TeX-file via the Website

http://www.fz-juelich.de/ics/jsmdays/

which contains the necessary templates.

Please indicate the author who will present the paper. The deadline for submission of abstracts is 13 June 2014. Authors will be notified of acceptance by 30 June 2014. In case of questions or problems, please send an email to jsmdays@fz-juelich.de.

Venue

The conference will be held at the Seminaris Hotel in Bad Honnef, Germany.

Front page picture

Self-propelled Brownian spheres in three-dimensional suspensions show phase separation and dynamic self-organisation in form of large swirls and jets due to particle sorting at interfaces.

(courtesy: A. Wysocki, Forschungszentrum Jülich, ICS-2 & IAS-2)