

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 micro-fluidic 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)