

## CONFERENCE FEES

### The conference fee will be as follows:

530,- € for regular participants

320,- € for students

260,- € for students accommodated in double rooms

350,- € for regular participants when no accommodation is required

The fees include accommodation in hotels in Jülich and full board at the conference site.

## CANCELLATION POLICY

### Cancellation date

6 weeks before the workshop

4 weeks before the workshop

Less than 4 weeks before the workshop

### amount due

40 % of the conference fee

60 % of the conference fee

75 % of the conference fee

## ACCOMMODATION

Participants will be accommodated in local hotels. Shuttles to and from the workshop will be available free of charge.

## IMPORTANT DATES

30 June 2018

16 July 2018

September 2018

25 September

20 - 23 November 2018

Submission of abstracts

Notification of contributors

Second announcement

Deadline for final registration

Jülich Soft Matter Days

## CONTACT

### JSMD Secretary

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### Scientific organization

J. K. G. Dhont · S. Förster · G. Gompper · U. S. Schwarz · J. Vermant

### Administrative organization

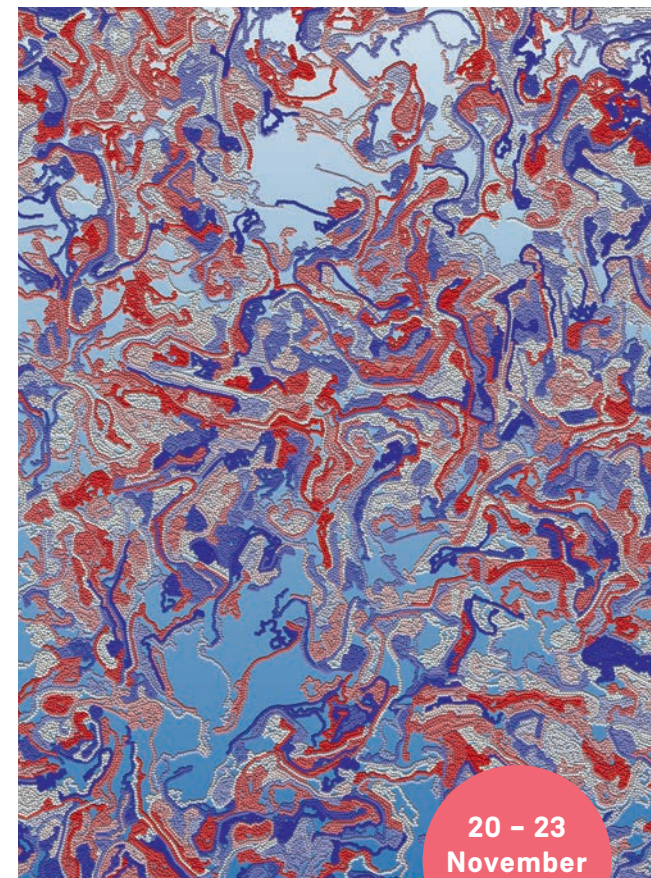
L. Diart · M. Kleinen · P. R. Lang · A. Schmitz

## SHUTTLE TRANSFER

Shuttle transfer from the airports of Cologne and Düsseldorf as well as from the train station Düren will be available.

For further travel information, see the FZ-Jülich website:

[www.fz-juelich.de/portal/EN/Service/Howtoreachus/\\_node.html](http://www.fz-juelich.de/portal/EN/Service/Howtoreachus/_node.html)



20 - 23  
November  
2018

# JÜLICH SOFT MATTER DAYS 2018

Forschungszentrum Jülich, Germany

1st Announcement · Call for papers



Published and printed by: Forschungszentrum Jülich GmbH · 52425 Jülich, Germany; Photos: Forschungszentrum Jülich GmbH

Member of the  
Helmholtz Association



Soft Matter Science has emerged in recent years as an independent and interdisciplinary research field, bringing together scientists from macromolecular physics and chemistry, statistical physics, biophysics, and molecular and cell biology. The systems investigated in this field include synthetic and biological macromolecules, colloids, membranes, vesicles, and active systems such as synthetic and biological microswimmers. The phenomena investigated include the phase behaviour and non-equilibrium dynamics in colloidal dispersions and polymeric systems. Soft Matter Science thus aims at the understanding of complex macromolecular systems, the design and use of synthetic and biomimetic materials, their application as functional materials, and the understanding of biological systems and processes. While many of these systems have already been investigated separately for a long period of time, their common features and interactions have recently come into focus.

These highly complex materials consist of structural units with typical length scales ranging from nanometers to micrometers. The experimental and theoretical investigations involved, as well as the understanding of the properties of these materials, pose 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.

To bring together scientists from these various research fields and to foster the exchange of ideas and collaborations, we are organizing the workshop

## JÜLICH SOFT MATTER DAYS

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

### The topics planned for this year's workshop are:

- Cell Mechanics and Migration
- Active Systems
- DNA-based Macromolecules
- Colloids and Proteins
- Biopolymers
- Flow and Microfluidics
- Interfaces

## PRESENTATIONS

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

### Confirmed speakers:

D. Aarts	University of Oxford, United Kingdom
M. Arroyo	Universitat Politècnica de Catalunya, Barcelona, Spain
C. Baroud	LadHyX Palaiseau, France
L. Blanchoin	CEA Grenoble, France
L. Botto	University of London, United Kingdom
P. Decuzzi	IIT Genua, Italy
E. Eiser	University of Cambridge, United Kingdom
A. Herrmann	DWI – Aachen, Germany
S. Lecommandoux	Université de Bordeaux, France
L. Liu	Universität Heidelberg, Germany
V. Manoharan	Harvard University, USA
C. Monteux	ESPCI Paris, France
J. Rädler	LMU München, Germany
R. Ras	Aalto University, Finland
F. Rico	Aix-Marseille Université, France
B. Sabass	Forschungszentrum Jülich, Germany
P. Silberzan	Institut Curie Paris, France
T. Speck	Universität Mainz, Germany
E. Stiakakis	Forschungszentrum Jülich, Germany
M. Tibbitt	ETH Zürich, Switzerland
C. Wagner	Universität des Saarlandes, Germany
V. Zaburdaev	Max-Planck-Institut Dresden, 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 oral contributions or posters are welcome. If you wish to present your work, please submit an extended abstract. The abstract headed by a title along with the name(s) and complete address(es) of the author(s) should be submitted as a MS-Word document or Latex-file via the website [www.fz-juelich.de/ics/jsmdays/](http://www.fz-juelich.de/ics/jsmdays/) which contains the necessary templates.

Please indicate the author who will present the paper. The abstract submission deadline is **30 June 2018**. Authors will be notified of their acceptance by **16 July 2018**.

Should questions or problems arise, please send an email to [jsmdays@fz-juelich.de](mailto:jsmdays@fz-juelich.de).

## VENUE

The conference will be held on the campus of Forschungszentrum Jülich GmbH · 52425 Jülich, Germany

## FRONT PAGE PICTURE

Flexible active colloidal polymers exhibit activity-induced stretched conformations and an enhanced packing. (Courtesy: A. Gomez, R. G. Winkler, Forschungszentrum Jülich ICS2/IAS2)

## WORKSHOP SCHEDULE

### Tuesday, 20 November 2018

18:00 – Registration and Welcome Buffet

### Wednesday, 21 November 2018

09:00 – Start of the scientific programme

### Friday, 23 November 2018

14:00 – End of the scientific programme