

# Liquids 2014

## 9TH LIQUID MATTER CONFERENCE



Lisbon, Portugal, 21-25 July 2014

LMC9 is organized by:



European  
Physical  
Society

Liquids Section of the  
Condensed Matter Division

**U LISBOA**

UNIVERSIDADE  
DE LISBOA

**ISEL**  
INSTITUTO SUPERIOR DE  
ENGENHARIA DE LISBOA

### General information

The 9th Liquid Matter Conference will take place at the University of Lisbon, Portugal, 21-25 July 2014. Previous conferences were held in Lyon (1990), Firenze (1993), Norwich (1996), Granada (1999), Konstanz (2002), Utrecht (2005), Lund (2008), and Vienna (2011). The conference is organized jointly by the Liquids Section of the Condensed Matter Division of the European Physical Society, the University of Lisbon and the School of Engineering of the Lisbon Polytechnic Institute (ISEL).



The conference will start on the morning of Monday 21 July 2014, and finish around lunchtime on Friday, 25 July 2014. The purpose of this conference is to bring together scientists working on the liquid state of matter and closely related topics, such as soft matter and biophysics. The rapidly growing field covered by this conference series therefore includes the physics, chemistry, biology, and chemical engineering of liquid matter as well as several areas of applied research.

The conference will consist of plenary lectures, topical symposia with keynote lectures and contributed oral presentations, as well as poster sessions. The highlights of the conference will be published in a special issue of the Journal of Physics: Condensed Matter.

### Topics and keynote speakers

#### 1. Ionic Liquids and Liquid Metals

J. N. Canongia Lopes (U. Lisbon, Portugal)  
E. Maginn (U. Notre Dame, USA)  
R. Podgornik (U. Ljubljana, Slovenia)

#### 2. Water and Solutions

R. van Roij (U. Utrecht, The Netherlands)  
C. Valeriani (U. Complutense Madrid, Spain)

#### 3. Liquid Crystals

R. Mezzenga (ETH Zürich, Switzerland)  
S. Žumer (U. Ljubljana, Slovenia)

#### 4. Polymers, Polyelectrolytes, Biopolymers

R. Everaers (ENS Lyon, France)  
M. Müller (U. Göttingen, Germany)

#### 5. Colloids

V. Manoharan (Harvard U., USA)  
G. Maret (U. Konstanz, Germany)  
P. Schall (U. Amsterdam, The Netherlands)  
E. Trizac (U. Paris Sud, France)

#### 6. Films, Foams, Surfactants, Emulsions

J. Bibette (ESPCI Paris, France)  
M. Dennin (U. California, Irvine, USA)  
W. Drenckhan (U. Paris Sud, France)

#### 7. Confined Fluids, Interfacial Phenomena

H.-J. Butt (Max-Planck-Institute for Polymer  
Research, Mainz, Germany)  
A. G. Yodh (U. Pennsylvania, USA)

#### 8. Supercooled Liquids, Glasses, Gels

G. Biroli (CEA Saclay, France)  
M. Ediger (U. Wisconsin, USA)  
M. van Hecke (U. Leiden, The Netherlands)

#### 9. Driven Systems, Rheology and Nanofluidics

E. Kumacheva (U. Toronto, Canada)  
P. Sollich (King's College London, UK)

#### 10. Active Matter

I. Pagonabarraga (U. Barcelona, Spain)  
E. Lauga (U. Cambridge, UK)

#### 11. Biological and Biomimetic Fluids

F. Jülicher (Max-Planck-Institute for the Physics  
of Complex Systems, Dresden, Germany)  
D. Needleman (Harvard U., USA)

## Plenary speakers

M. Bonn (Max-Planck-Institute for Polymer Research, Mainz, Germany)  
 Z. Dogic (Brandeis U., USA)  
 L. Leibler (ESPCI Paris, France)  
 F. Sciortino (U. Roma “La Sapienza”, Italy)  
 O. Gang (Brookhaven National Laboratory, USA)  
 S. Herminghaus (Max-Planck-Institute for Dynamics and Self-Organization, Göttingen, Germany)  
 L. Berthier (U. Montpellier 2, France)  
 L. Bocquet (U. Lyon 1, France)  
 J. Yeomans (U. Oxford, UK)  
 M. Dogterom (FOM Institute AMOLF, The Netherlands)

## Liquid Matter Prize

The Liquid Matter Prize of the European Physical Society is awarded to a person who has made outstanding contributions to the science of liquid matter in an experimental or theoretical area and who is still active in research. Robert Evans of the University of Bristol, United Kingdom, will receive the 2014 Prize “for seminal works applying density-functional theory to the statistical mechanics of liquid matter, including highly original and lasting contributions to understanding interfaces and phenomena such as criticality, wetting, capillarity and phase transitions of simple and complex fluids”, Previous prize winners were J. -P. Hansen (2005), H. N. W. Lekkerkerker and P. N. Pusey (2008), and D. Chandler (2011).

## Venue

Lisbon is the westernmost capital city in Europe and the only one along the Atlantic coast. Throughout the ages, the Atlantic Ocean has exerted a strong pull on Portugal and its people. It has played a key

role in the country's history, namely its overseas expansion - known as Voyages of Discovery - in the 15th and 16th centuries.

Lisbon is one of the oldest cities in Western Europe, dating back to pre-Roman times. It is home to two UNESCO World Heritage Sites. Lisbon was European City of Culture in 1994, and in 1998 it organized Expo '98, the last World Exposition of the 20th century.

Lisbon has a Mediterranean climate with mild winters and warm summers. The typical summer season lasts about six months, from May to October, inviting a relaxed lifestyle and plenty of outdoor activities.

The conference will be held at the University of Lisbon. This was originally founded by King Dinis in 1290, but moved permanently to Coimbra in 1537. The present University of Lisbon was re-founded in 1911. It has now merged with the Technical University of Lisbon, with the aim of becoming a player on the global higher education stage. The main campus is located in the Campo Grande area of northern Lisbon, This is less than 2 km from Lisbon Airport, well served by public transport including two metro lines, and within walking distance of many hotels.

The venue for all sessions will be the **Faculty of Sciences, Lisbon University** (Faculdade de Ciências da Universidade de Lisboa).  
<http://www.fc.ul.pt>

## Social programme

The Welcome Reception will be held at Museu da Cidade (Museum of the City of Lisbon) on the evening of Sunday 20 July 2014. This is a short walk from the conference venue.

The Conference Dinner will be held in Pátio da Galé in Lisbon's Old Town on the evening of Wednesday 24 July 2014.

**Please note that the Conference Dinner is not included in the Registration Fee.**

## Travel and accommodation

European Union, European Economic Area and Swiss nationals do not require a visa to enter Portugal and may stay for an unlimited period of time. All others please check the conference website, or contact the nearest Portuguese consulate.

There are direct flight to Lisbon from many European, and a few American and African, cities. The national carrier is TAP Portugal (<http://www.flytap.com/Portugal/en/Homepage>), a member of the Star Alliance. Low-cost flights with Easyjet and Ryanair are also available. See the conference website for a full list of airlines flying into Lisbon Airport.

Lisbon is in the Western European Time Zone, which is the same as the British Isles and one hour earlier than most of Continental Europe (including Spain).

Weather in Lisbon in July is warm and sunny, with an average (over 24 hours) temperature of 22.7°C. Although rain cannot be categorically ruled out, it is extremely unlikely.

Accommodation can be booked through the conference website at the time of registration.

## International Programme Committee

C. Bechinger (U. Stuttgart, Germany)  
 M. Cates (U. Edinburgh, United Kingdom)  
 F. Caupin (U. Lyon 1, France)  
 L. Cipelletti (U. Montpellier 2, France)  
 C. Dellago (U. Vienna, Austria)  
 M. Dijkstra (U. Utrecht, The Netherlands)  
 W. Kob (U. Montpellier 2, France)  
 K. Kremer (Max-Planck-Institute for Polymer Research, Mainz, Germany)  
 F. MacKintosh (VU Amsterdam, The Netherlands)  
 I. Muševič (J. Stefan Institute, Ljubljana, Slovenia)  
 R. Piazza (Politecnico di Milano, Italy)  
 P. Schurtenberger (U. Lund, Sweden)  
 P. I. C. Teixeira (ISEL, Portugal)  
 M. M. Telo da Gama (U. Lisbon, Portugal) (Chair)  
 N. Wilding (U. Bath, United Kingdom)

## Local Organizing Committee

P. L. Almeida (ISEL)  
 A. L. Ferreira (U. Aveiro)  
 M. H. Godinho (New U. Lisbon)  
 C. R. Leal (ISEL)  
 M. G. Miguel (U. Coimbra)  
 P. Patrício (ISEL)  
 B. Saramago (U. Lisbon)  
 N. M. Silvestre (U. Lisbon)  
 J. M. Tavares (ISEL)  
 P. I. C. Teixeira (ISEL)

## Call for abstracts

Abstract submission is now open. Submission, under any of the eleven topics listed above, must be made through the conference website: please indicate whether you prefer an oral or a poster communication. The International Programme Committee will decide on abstract acceptance and select abstracts for oral communications. Details of

how to prepare oral and poster communications will be posted on the conference website. **The deadline for abstract submission is 1 February 2014.**

## Registration and fees

Registration will open in early 2014 and should be made through the conference website, which will also give details of our cancellations policy.

Category	Before 30 April 2014	After 30 April 2014
Regular	€450	€500
Student	€325	€325
EPS member	€425	€475

The Registration Fee includes admission to all scientific sessions, conference materials (book of abstracts, proceedings), coffee breaks, lunches and the Welcome Reception. **Note that the Conference Dinner is not included in the Registration Fee.**

We may be able to award a small number of student bursaries. These will be in the form of a fee waiver. Details will be posted on the conference website nearer the time of registration.

On Sunday 20 July 2014 registration will be open 14:30-18:30 in the entrance area of the Faculty of Sciences of the University of Lisbon, Campo Grande, Lisbon.

## Proceedings

Plenary and keynote lectures, as well as oral communications, will be published in a special issue of the Journal of Physics: Condensed Matter. **Submission is through the journal website and the deadline is 31 July 2014.**

## Important dates

Abstract submission	1 February 2014
Notification of acceptance	31 March 2014
Registration at reduced rate	30 April 2014
Conference	21-25 July 2014
Papers for proceedings	31 July 2014

## Further information and contacts

Conference website:  
<http://www.fc.ul.pt/en/conferencia/liquids-2014>

Contact e-mail for **scientific matters**:  
[Liquids2014@fc.ul.pt](mailto:Liquids2014@fc.ul.pt)  
 (c/o Dr Paulo Teixeira)

Contact e-mail, for **registration and accommodation matters**:  
[madalena.almeida@abreu.pt](mailto:madalena.almeida@abreu.pt)  
 (c/o Ms Madalena Almeida)

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