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Utrecht University, The Netherlands, 2-6 July 2005



If undeliverable, please return to this address:

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Utrecht University, The Netherlands, 2-6 July 2005



Photo: Jan Bitter
www.liquids2005.nl

Deadlines:
Receipt of Abstracts 15 February 2005
Early Birds Registration Fee 20 April 2005
Receipt of Manuscripts 21 June 2005

Second Announcement

General information

The sixth Liquid Matter Conference will take place in 2005 at Utrecht University in the Netherlands. Previous conferences were held in Lyon (1990), Firenze (1993), Norwich (1996), Granada (1999) and Konstanz (2002). This series of meetings is organised by the Liquids Section of the Condensed Matter Division of the European Physical Society.

The conference will start on Saturday, 2 July 2005, in the morning and finish on Wednesday, 6 July, in the beginning of the afternoon. The aim of the conference is to bring together scientists working on the liquid state of matter. This rapidly growing field includes the physics, chemistry, biology and chemical engineering of liquid matter as well as various applied research areas in the chemical, pharmaceutical, food and oil industries.

The conference will consist of plenary lectures, topical symposia and poster sessions. Contributed papers will be selected to be presented either as posters or as oral presentations within the symposia.

Plenary speakers

A. Ajdari (ESPCI, Paris, France):

[Fluids in microchannels](#)

H. Bakker (FOM Instituut AMOLF, the Netherlands):

[Molecular dynamics of liquid water studied with femtosecond laser pulses](#)

C. Bechinger (Universität Stuttgart, Germany):

[The benefit of noise and disorder](#)

P.T. Callaghan (Massey University, Palmerston North, New Zealand):

[Nuclear Magnetic Resonance insights on deformational flow in complex fluids](#)

E. Charlaix (Université C. Bernard, Lyon, France):

[Hydrodynamics of simple liquids at a solid surface](#)

P.G. Debenedetti (Princeton University, USA):

[Thermodynamics of Supercooling and Vitrification: from Simple Liquids to Water](#)

S. Hilgenfeld (Universiteit Twente, the Netherlands):

[Foams: Linking Geometry and Physics](#)

A.Z. Panagiotopoulos (Princeton University, USA):

[Phase transitions in polyelectrolytes and charged colloids](#)

C.R. Safinya (University California, Santa Barbara, USA):

[Supramolecular assembly of biological molecules: from DNA-lipid complexes to microtubule bundles](#)

H. Tanaka (Tokyo University, Japan):

[Viscoelastic Phase Separation in Liquid Matter](#)

J.P. Hansen (Cambridge University, UK):

[Liquid Matter Prize Lecture](#)

Symposia Topics and Keynote Speakers

Simple and Quantum Liquids

W.F. Vinen (Un. Birmingham, UK); N. B. Wilding (Un. Bath, UK)

Water, Solutions and Reaction Dynamics

A. Soper (Rutherford Appleton lab, Chilton, UK);

R. Vuilleumier (Un. Pierre et Marie Curie, Paris, France)

Ionic Liquids and Liquid Metals

Y. Levin (Universidade Federal do Rio Grande do Sul Porto Alegre, Brasil);

A. Turchanin (Un. Karlsruhe, Germany);

R.M. Lynden-Bell (The Queen's University of Belfast, Northern Ireland)

Liquid Crystals

P. Pieranski (Université Paris-Sud, Paris, France); C. Zannoni (Un. Bologna, Italy)

Polymers, Polyelectrolytes and Biomolecular Solutions

M. Cohen-Stuart (Un. Wageningen, Netherlands);

D. Andelman (Tel Aviv Un., Israël)

Colloids

D.J. Pine (UCSB, USA); H. Löwen (Heinrich Heine Un., Düsseldorf, Germany)

Films, Foams and Surfactants

B. P. Binks (Un. Hull, UK); M. Elbaum (Weizmann Inst., Israel)

Confined Geometries, Interfacial Phenomena, Wetting

M. Dijkstra (Un. Utrecht, Netherlands); J. Daillant (SPEC-CEA, Saclay, France)

Supercooled Liquids, Glasses and Gels

S. Egelhaaf (Un. Edinburgh, UK); J. Bergenholz (Göteborg Un., Sweden)

Phase Transitions and Nucleation Phenomena

R. Sear (Un. Surrey, UK); J. Meunier (LPS-ENS, Paris, France)

Rheology, Non-equilibrium and Dissipative Fluids, Granular Media

W. van Saarloos (Un. Leiden, Netherlands); G.G. Fuller (Stanford Un., USA)

Fundamental Challenges in Applied Liquid Physics, Microfluidics

Th. Lockhart (EniTecnologie, S.p.A., S. Donato Milanese, Italy);

G. Maitland (Schlumberger Cambridge Research, UK)

Call for Papers

Contributions are invited in any of the 12 symposium areas. The International Programme Committee decides on the acceptance of the contributions. Approximately 90 contributions will be selected for a 20 minutes oral presentation. The remaining

contributions will be presented as posters. Preference for oral or poster presentation should be stated when submitting the abstract.

Abstracts can only be submitted via our website: www.liquids2005.nl.

The deadline for submission of abstracts is 15 February 2005.

Authors will be notified about acceptance before 20 March 2005.

Registration Fees (in Euro)

	Regular	PhD Student	EPS member
Early birds (before 20 April 2005)	315	240	295
After 20 April 2005	370	295	350

Location

Utrecht is a friendly and historically attractive city in the heart of the Netherlands. The medieval city centre has many beautiful canals, churches, cloisters and houses. The city's ultimate symbol is the beautiful gothic Dom Tower. In addition, Utrecht offers great shopping, canalboats and many pubs.

The 6th LMC will be held in the Educatorium, a multifunctional educational building that was completed at the end of 1997 within the university centre De Uithof in Utrecht. It was designed by the Office for Metropolitan Architecture (OMA) under supervision of Rem Koolhaas, and aimed "to create a synthetic landscape that lies open to individual and collective use". Another eye-catching building is the new library of the University, designed by Wiel Arets. A picture of its interior is shown on the cover. Near the Uithof you can find the Rietveld Schröderhuis, another world-famous monument to 20th century architecture. It was built in 1924 by the Utrecht architect and designer, Gerrit Rietveld (1888 - 1964). The Rietveld Schröderhuis is a unique building, constructed according to the principles of 'De Stijl' architectural school.

Utrecht is easily reached by train and car from Germany, Belgium and France and is connected by a 40 minutes train connection with Schiphol, Amsterdam Airport, Europe's fourth largest airport.

For detailed information see our website: www.liquids2005.nl.

Proceedings

A special conference issue of *Journal of Physics: condensed matter* will appear containing plenary, keynote lectures, and oral contributions. Guest editors are M. Dijkstra, R. van Roij and G.J. Vroege. Deadline for receipt of manuscripts will be 21 June 2005.

Further information

All further information such as hotel accommodation, welcome reception, banquet and updates can be found on our website: www.liquids2005.nl. Please subscribe to our website to receive future updates. Please also use our website to register and pay.