

## GENERAL INFORMATION

The twelfth Liquid Matter Conference will take place at the Johannes Gutenberg University Mainz, Germany, in 2024.

The conference will begin on the evening of Sunday, September 22, 2024, and conclude in the early afternoon of Friday, September 27, 2024. 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 and food industries.

The conference will consist of plenary lectures, topical symposia with keynote lectures and contributed oral presentations, and poster sessions. The conference can also be attended online. The plenary talks and keynote lectures will be streamed. All speakers will be on site.

## TOPICS

- **Ionic Liquids, Electrolytes and Liquid Metals**
- **Water, Mixtures and Solutions**
- **Liquid Crystals and Anisotropic Fluids**
- **Polymers, Polyelectrolytes and Biopolymers**
- **Colloids**
- **Liquid interfaces, Foams and Emulsions**
- **Liquids in Confinement, Solid-Liquid Interfaces and Wetting**
- **Supercooled Liquids, Glasses and Gels**
- **Active Matter and Driven Systems**
- **Biological Fluids and Liquid-Liquid Phase Separation**
- **Liquid matter in energy, environmental and climate science**

## PLENARY SPEAKERS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Freddy Bouchet</b>           | CNRS Lyon<br>France                |
| <b>Olivier Dauchot</b>          | ESPCI Paris<br>France              |
| <b>Monica Olvera de la Cruz</b> | Northwestern Univ.<br>USA          |
| <b>Pablo Debenedetti</b>        | Princeton Univ.<br>USA             |
| <b>Maria Helena Godinho</b>     | New Univ. of Lisbon<br>Portugal    |
| <b>Frank Jülicher</b>           | MPG-PKS<br>Germany                 |
| <b>Detlef Lohse</b>             | Univ. of Twente<br>The Netherlands |
| <b>Stefano Sacanna</b>          | New York Univ.<br>USA              |
| <b>Aksandra Radenovic</b>       | EPFL Lausanne<br>Suisse            |
| <b>Miha Ravnik</b>              | Univ. of Ljubljana<br>Slovenia     |
| <b>Srikanth Sastry</b>          | JNC-ASR Bangalore<br>India         |

## CONFERENCE SITE

The conference venue is located on the campus of the Johannes Gutenberg University Mainz.

# 12th Liquid Matter Conference

22 - 27 September 2024

Johannes Gutenberg University Mainz, Germany  
Organized by The Liquids Section of the  
Condensed Matter Division of the European  
Physical Society, Johannes Gutenberg University  
Mainz and Max Planck Institute for Polymer  
Research.

## VENUE

Mainz is located at the confluence of Rhine and Main, and, correspondingly, at the junction of three major railway lines. Due to its strategic locus, it has a long (and still well visible) history dating back to the times when it was a Roman fortress. It is the seat of an archbishop, who, in the middle ages and the early modern era, exerted considerable political power in Germany. Mainz hosted important innovations, most notably the invention of book printing (late 15th century), and the development of mRNA vaccines (early 21st). Mainz University existed from the 15th to the 19th century, and was re-founded by the French occupation forces in 1946, on the site of former world war two barracks.

Mainz can easily be reached by train. Access from Frankfurt airport takes less than an hour of train ride. We have blocked rooms in several hotels in the close surrounding:

Hotels in Mainz <https://hotels.click-around.systems/1cb77439/c/elmyr/en>

Mainz University can be easily reached by bus or tram. <https://mainz.de/en/index.php> may be helpful for planning your trip.

## REGISTRATION FEE

Standard conference fee: EUR 550 (600 late)  
Students conference fee: EUR 350 (400 late)  
EPS members, reduced fee: EUR 500 (550 late)  
Virtual attendance: EUR 200

Registration fee includes admission to all scientific sessions, conference materials, coffee breaks, mensa tickets and the welcome reception.

## LOCAL ORGANIZING COMMITTEE

Hans-Jürgen Butt  
Burkhard Dünweg  
Kurt Kremer  
Friederike Schmid

Thomas Speck  
Peter Virnau  
Doris Vollmer

## INTERNATIONAL PROGRAM COMMITTEE

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Further information: [www.lmc2024.com](http://www.lmc2024.com)



JOHANNES GUTENBERG  
UNIVERSITÄT MAINZ



MAX PLANCK INSTITUTE  
FOR POLYMER RESEARCH



## CONTACT

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