



# ICMF 2019

15TH INTERNATIONAL CONFERENCE ON MAGNETIC FLUIDS

JULY 8-12, 2019 PARIS

## CALL FOR PAPERS – ICMF 2019

Since 1979 an International Conference on Magnetic Fluids is held every three years. This conference brings together the international scientific community involved in magnetic fluid science, at large, from liquid dispersions to more complex fluids such as magnetorheological fluids, ferrogels, ferronematics, ferropolymers, biocolloidal systems.... The last two conferences were held in New Delhi (India) January 7-11, 2013 and in Ekaterinburg (Russia) July 4-8, 2016.

Next ICMF 15th will take place at Sorbonne Université in Paris (France) July 8-12, 2019. The conference will highlight synthesis and properties of innovative magnetic materials with a special emphasis on societal applications in the domain of energy, environment and biomedical.

The **International Conference on Magnetic Fluids** is an annual gathering with the following objectives:

- Attract high quality papers in different subfields.
- Offer the opportunity to be updated on the latest research outputs on several Magnetic Fluids topics.
- Organize specific workshops around the most attractive and current issues.
- Gather worldwide experts as conference speakers.

### **Topics of interest include, but are not limited to:**

- Advanced design and synthesis of magnetic particles and magnetic fluids
- Active magnetic colloids and soft magnetic systems
- Theory, statistical mechanics and modeling of complex magnetic fluids
- Magnetic and physical properties of ferrofluids and soft magnetic matter
- Structures and rheology of magnetic fluids and suspensions
- Mass and energy transfer in magnetic colloids and complex fluids
- Free surface phenomena and ferrohydrodynamics
- Bio applications (imaging, drug delivery, magnetic hyperthermia, vectorization, tracking...)
- Engineering applications for energy
- Environmental applications based of magnetic carriers

### **Important Dates:**

- Regular submission deadline: May 31, 2019
- Regular registration deadline: June 19, 2019
- Conference: July 8-12, 2019

### **Guidance for authors:**

The submission must be done through Ex Ordo (<http://icmf2019.exordo.com>) where you have to create your own account. This abstract management system enables you to manage your submission as you wish.

### **Proceedings & Publishing:**

- Coming soon