



## Mini-Symposium: Complex Fluids and Soft Matter Physics

Hermann Staudinger Hörsaal, Ackermannweg 10, 55128 Mainz

### Thursday, May 23, 2013

- 14:30 *Welcome K. Kremer*
- 14:45 **James L. Harden**  
University of Ottawa, Ottawa, Canada  
“Building biomimetic soft materials from modular amphiphilic proteins”
- 15:15 **Burkhard Dünweg**  
Max Planck Institute for Polymer Research, Mainz, Germany  
“Towards a New Algorithm for Multiphase Lattice Boltzmann Simulations”
- 15:45 *Coffee break*
- 16:15 **Maurice Kleman**  
Institut de physique du globe de Paris, Paris, France  
“Helical geometries in liquid crystals”
- 16:45 **Philippe Martinoty**  
Institut Charles Sadron, Strasbourg, France  
“Kinetic arrest at the liquid-to-organogel transition”
- 17:15 **Stefan Bohlius**  
d-fine GmbH, Frankfurt, Germany  
“Science in Finance”
- 18:00 *Departure to the Conference Dinner*

### Friday, May 24, 2013

- 9:30 **Günter K. Auernhammer**  
Max Planck Institute for Polymer Research, Mainz, Germany  
“Dynamics in mixtures of colloids and liquid crystals”
- 10:00 **Philip A. Pincus**  
University of California, Santa Barbara, USA  
“The Viscosity of Salty Water”
- 10:30 *Coffee break*
- 11:00 **Orazio Descalzi**  
Universidad de los Andes, Santiago, Chile  
“Explosive dissipative solitons”
- 11:30 **Daniel Svensek**  
University of Ljubljana, Ljubljana, Slovenia  
“Collective stop-and-go dynamics of active bacteria swarms”
- 12:00 *Lunch*
- 13:30 **Helmut R. Brand**  
Universität Bayreuth, Bayreuth, Germany  
“Macroscopic behavior of systems with a dynamic preferred direction”
- 14:00 **Rudolf Zentel**  
Universität Mainz, Mainz, Germany  
“Preparation of LC-elastomer particles in microfluidic devices”
- 14:30 **Hartmut Löwen**  
Universität Düsseldorf, Düsseldorf, Germany  
“Elasticity-induced melting and freezing on patterned substrates”
- 15:00 *Concluding Remarks H. Pleiner*  
*Coffee break*