

Monday, September 19

- 09:00 Departure from Aachen
- 10:00 Registration/Coffee
- 10:45 Opening Remarks
- 11:00 **Engineering Crosslinks in Microgels: Towards Soft Adaptive Colloidal Systems**
Andrij Pich
(RWTH Aachen University)
- 12:00 **Core-Shell Microgels with Rigid Cores**
Matthias Karg
(Heinrich Heine University Düsseldorf)
- 13:00 Lunch
- 14:00 **Rheological Signatures of Softness in Microgel Suspensions**
Michel Cloitre
(ESPCI Paris)
- 15:00 Coffee and Check-In
- 15:45 **Model-Based Experimental Analysis of Microgel Synthesis: Valid Models at Minimal Effort**
Adel Mhamdi
(RWTH Aachen University)
- 16:45 **Physical Modelling of Thermodynamic and Kinetic Properties of Microgels and their Synthesis**
Kai Leonhard
(RWTH Aachen University)
- 18:00 Dinner
- 19:00 Posters I

Tuesday, September 20

- 08:30 **Computer Simulation of Realistic Microgels: from Individual to Collective Behavior**
Emanuela Zaccarelli
(Sapienza University)
- 09:30 **On the Nature of the High Elasticity and Swelling of Gels and Microgels**
Igor Potemkin
(RWTH Aachen University)
- 10:30 Coffee
- 11:00 **Tailored Metal Complexes for Oxidation, Polymerisation and Depolymerisation and their Anchoring in Microgels**
Sonja Herres-Pawlis
(RWTH Aachen University)
- 12:00 **Microgels to Solve Tissue Engineering Challenges**
Laura De Laporte
(RWTH Aachen University)
- 13:00 Lunch
- 14:30 - 17:00 Hiking Tour
- 18:00 Dinner
- 19:00 Posters II

Wednesday, September 21

- 08:30 **Exploring the Structure of Microgels in Bulk Using Small-Angle Scattering**
Judith Houston
(European Spallation Source ESS)
- 09:30 **Microgels at Liquid Interfaces: What can Neutron Reflectometry Tell?**
Yuri Gerelli
(Polytechnic University of Marche, Ancona)
- 10:30 Coffee
- 11:00 **How Can We Define and Measure the Nanogel's Softness?**
Andrea Scotti
(RWTH Aachen University)
- 12:00 **The Ionic Cloud around "Neutral" Microgels: Its Importance and an Estimate Using SANS**
Alberto Fernandez-Nieves
(University of Barcelona)
- 13:00 Lunch
- 14:00 **Soft non-NIPAM Based "Core-Shell" Microgels – Core-Shell vs. Interpenetrating Network Structure**
Thomas Hellweg
(Bielefeld University)
- 15:00 Coffee
- 16:00 Monschau Guided Tour
- 18:00 Dinner / Game Night

Thursday, September 22

- 08:30 Check-Out
- 09:00 **How Microgels can Provide New Types of Hydrogels and Improve the Performance of Solar Cells**
Brian Saunders
(The University of Manchester)
- 10:00 **Does Size Matter for Microgels?**
Jérôme J. Crassous
(RWTH Aachen University)
- 11:00 Coffee
- 11:30 **Phase Transitions in Dense Microgel Systems: Crystallization and Melting**
Janne-Mieke Meijer
(Eindhoven University)
- 12:30 Closing Remarks
- 13:00 Lunch
- 14:00 Bus leaving to Aachen
- 17:00 Guided Tour Aachen Cathedral
- 19:00 Farewell Dinner (IPC)