

Hydrogel modeling Workshop (SPP 1259) 24. - 25.11.2011

Final program

Thursday, 24.11.

12.00 - 13.00 Arrival

Session 1 *Chair: Peter Košovan*

13.00 – 13.10 Opening Christian Holm Uni Stuttgart
13.10 – 14.00 Modeling phase equilibria of swelling of hydrogels in aqueous solutions Gerd Maurer TU Kaiserslautern

14.00 – 14.50 PC-SAFT: theory and application Markus Arndt TU Dortmund

14.50 – 15.20 Coffe break

Session 2 *Chair: C. Holm*

15.20 – 15.50 Water desalination through mechanical compression of hydrogels Johannes Höpfner Karlsruhe Institute of Technology

15.50 - 16.20 Diffusion in hydrogels from FCS experiments. Apostolos Vagias MPI Mainz

16.20+ General discussion

18.00+ Dinner All

Friday, 25.11.

Session 1 *Chair: Markus Arndt*

9.00 – 9.50 Molecular simulations: coarse-grained models of hydrogels Peter Košovan Uni Stuttgart

9.50 – 10.40 Atomistic MD simulations of hydrogels Jonathan Walter TU Kaiserslautern

10.40 – 11.10 Coffe break

Session 2

11.10 – 11.40 Modeling pH and temperature sensitive behaviour of entanglements in Hydrogels Jan Žídek MPI Mainz

11.40 – 12.30 General discussion

12.30+ Departure