



**International Discussion Meeting on**  
***Nonequilibrium Phenomena in Complex Elastomers/Gels***  
**November 5 and 6, 2007, Mainz, MPI for Polymer Research, H. Staudinger Hall**  
**on the occasion of Prof. Harald Pleiner's 60<sup>th</sup> birthday.**

**Monday**                      **November 5, 2007**

13.00 – 13.45	Registration and Lunch
13.45 – 14.00	K. Kremer, Mainz: <b>Introductory Remarks</b>
14.00 - 14.30	J. F. Joanny, Paris: <b>Fluctuations in active polar gels</b>
14.30 - 15.00	W. Zimmermann, Bayreuth: <b>Active elastic networks: Pattern formation and mechanosensitivity</b>
15.00 - 15.30	R. Stannarius, Magdeburg: <b>Smectic Elastomers in the Geometry of Free Standing Films, Bubbles and Filaments</b>
15.30 - 16.00	Coffee Break
16.00 - 16.30	H. Finkelmann, Freiburg: <b>S<sub>A</sub> - Elastomers</b>
16.30 - 17.00	M. Liu, Tübingen: <b>On the Surprising Similarity Between Sand and ... Polymers</b>
17.00 - 17.30	S. Odenbach, Dresden: <b>Ferrofluids – Magnetic Flow Control</b>
17.30 – 18.00	T. A. Vilgis, Mainz: <b>Complex Matter in Food</b>
18.00 - 21.00	Buffet Dinner

**Tuesday**                      **November 6, 2007**

09.00 – 09.30	H. R. Brand, Bayreuth: <b>Liquid Crystalline Elastomers vs Magnetic Gels: Similarities and Differences in their Physical Properties</b>
09.30 – 10.00	J. Harden, Ottawa: <b>Soft Glassy Rheological Behavior of Smectic Liquid Crystals in Silica Gels</b>
10.00 – 10.30	T. Gisler, Konstanz: <b>Force-induced structural transitions in DNA films</b>
10.30 – 11.00	Coffee Break
11.00 – 11.30	P. Cladis, Summit, NJ: <b>Defects in Tetrahedratic Banana Liquid Crystals</b>
11.30 - 12.00	S. Zumer, Ljubljana: <b>Nematic Colloidal Superstructures</b>
12.00	H. Pleiner, Mainz: <b>Concluding Remarks</b> End of Conference