



SOMATAI Training Event T6

Course objectives

The aim of this training event is to raise basic understanding for coarse grained simulation methods of polymers in bulk and at interfaces which addresses all ESRs and the ER of the project. Based on program packages developed at IPF some basic simulation tasks will be carried out by you. You will learn how these methods can be applied to test theoretical models and to relate them with experimental systems. The scientific training part is followed by a transferable skills training course.

Program

- Prof. Dr. Jens-Uwe Sommer, Dr. Michael Lang (IPF): **Principles of computer simulations in polymer physics**
- Dr. André Galuschko (IPF): **Practical training: programming, data evaluation**
- Matthias Knöbel (University Dresden, PIZ): **Patenting and Licensing with attention to European granting procedure**
- Dr. Yeng-Long Chen (Academia Sinica): **Selected Problems: Modelling polymer dynamics in dense suspensions and in flow**
- Eva Brockhaus (Forschungszentrum Jülich, NMT): **How to write a competitive EU proposal**

Target Group

PhD's and master students with interest on computer simulations.

Venue and practicalities

Organisation: Leibniz-Institut für Polymerforschung Dresden e. V.
Prof. Dr. Jens-Uwe Sommer

Venue: Leibniz-Institut für Polymerforschung Dresden e. V.
and Technische Universität Dresden

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