

SOFTCOMP – DYNACOP Workshop (2010)

"New Trends in Polymer Rheology: Complex architectures and Complex Environments"

April 12-14, 2010

Donostia International Physics Center (DIPC)

San Sebastián, Spain

Polymer materials are evolving from more or less simple linear polymer systems towards multi-component and nano-structured systems, involving in many cases polymers with complex architectures as well. The idea of the workshop is to discuss the impact of this complexity on the rheological concepts and theories. New theoretical approaches and simulations will be revised at the light of recent experimental results from both macroscopic and microscopic (molecular) experimental techniques.

In connection with the European Network of Excellence, SoftComp and with the Marie Curie Action, DYNACOP, this workshop is now being organized by Professor Juan Colmenero and by Professor Dieter Richter – general coordinator of SoftComp. The workshop will take place in the Donostia International Physics Center (DIPC), San Sebastián, Spain. In the spirit of this type of workshops the number of participants will be limited to about 60 and there will be only invited lectures (see below) and oral contributions (of the order of 20).

The meeting will start on April 12 at the lunchtime, and will end on April 14 (evening). On the other hand, this workshop will be followed by one-day-DYNACOP-meeting (April 15) restricted to those people participating in that project. In addition, there will also be a "Training Session" mainly dedicated to students on April 12 in the morning. There will be two 90-min lectures, one about neutron scattering methods and the other to broadband dielectric spectroscopy.

The registration for this workshop is now open and the deadline is March 15, 2010. The corresponding registration form is enclosed.

WORKSHOP INVITED SPEAKERS (confirmed):

Christian Bailly (Univ. Catholique de Louvain, Louvain la Neuve, Belgium)

Ludwik Leibler (Ecole Superier de Physique et Chimie, Paris, France)

Dimitris Vlassopoulos (FORTH-Hellas, Heraklion, Greece)

Giuseppe Marrucci (Univ. Naples, Naples, Italy)

Nikos Hadjichristidis (Univ. Athens, Athens, Greece)

Tom McLeish (Durham Univ., Durham, UK)

Jean-Louis Barrat (Univ. Claude Bernard, Lyon, France)

Angel Moreno (Materials Physics center, UPV/EHU-CSIC, San Sebastián, Spain)

John M. Torkelson (Northwestern Univ., Illinois, USA)

Gerald Schneider (FZJ/JCNS – Garching, Germany)

Francois Boue (LLB, CEA-CNRS Saclay, France)

Wolfgang Paul (Marthin Luther Univ. Halle, Germany)

Gustavo Schwartz (Materials Physics center, UPV/EHU-CSIC, San Sebastián, Spain)

Dieter Richter (FZJ- JCNS, Jülich, Germany)

Juan Colmenero (Materials Physics center, UPV/EHU-CSIC and DIPC, San Sebastián, Spain)

TRAINING LECTURES (April 12 in the Morning):

Angel Alegría, “Dielectric Spectroscopy”
(Materials Physics center, UPV/EHU-CSIC, San Sebastián, Spain)

Reiner Zorn, “Neutron Scattering”
(FZJ- JCNS, Jülich, Germany)