

WORKSHOP PROGRAMM

Thursday November 24th,2005

9:00-9:30 Registration	
9:30-10:00 Opening Session Welcoming by CSIC authorities	15:00-15:50 Plenary Lecture II O. Paris Structure and mechanical properties of hierarchical composite materials: Synchrotron Radiation as a local probe
10-10:50 Plenary Lecture I V. Abetz Characterization of Block Copolymers by Synchrotron Radiation	15:50-16:10 Z. Denchev Phase Transitions in Polyamides as Revealed by Solid State C13 NMR and WAXS and SAXS from synchrotron
10:50-11:10 M.A. Gómez Synchrotron radiation studies of the crystallization behaviour of polyolefin blends and composites	16:10-16:30 S. Roth High resolution small-angle x-ray scattering as a tool to investigate nanostructure colloidal and nanocomposite surfaces
11:10-11:30 R. Davies Probing polymer fibre structure using microfocus X-ray beams	16:30-16:50 R. Pons Time resolved X-ray scattering experiments on emulsification processes
11:30-11:50 Coffee break	16:50-17:10 M. Pérez-Méndez Encapsulation of all-trans-lycopene molecule within helical cholesteric liquid-crystal biopolymer
11:50-12:10 M. Cócera Application of Synchrotron Radiation to the structural and kinetic study of liposome-surfactant	17:10-18:00 Round Table Perspectives of the Non-crystalline diffraction beam-line in ALBA
12:10-12:30 A. Nogales Structural evolution in polymers during drawing deformation by in situ SAXS and WAXS	21:00 Workshop Dinner
12:30-12:50 W. Pisula Investigation of the supramolecular arrangement of discotic hexa-peri-hexabenzocoronenes on surfaces	
12:50-13:10 A. Diaz SAXS studies of ordering phenomena in colloids confined by microcavity arrays	
13:10-13:30 E. Pérez-Tabernero Phase transition in liquid crystalline polymers from WAXS/MAXS/SAXS synchrotron experiments	
LUNCH BREAK	

Friday November 25th,2005
9:30-10:20 Plenary Lecture III C. Riekkel Nanometer-sized X-ray beams for soft condensed matter SAXS/WAXS experiments
10:20-10:40 A. Svensson Time-resolved Fibre Diffraction Studies of Live Contracting Muscle using Synchrotron Radiation
10:40-11:00 A. Flores Synchrotron radiation studies of induced orientation in a liquid crystalline polyester under the influence of a magnetic field
11:00-11:30 Coffee break
11:30-11:50 A. Labrador Possibilities for SAXS experiments at the Spanish beamline BM16 in ESRF
11:50-12:10 J.M. Lagarón Synchrotron radiation as a tool to identify structural modifications in polymers and nanocomposites related to packaged food quality and safety
12:10-13:00 Plenary Lecture IV A.J. Ryan Structure and function in a synthetic muscle based on block-copolymers
13-13:20 Closing session M.C. García-Gutiérrez, T.A. Ezquerra