

Call for oral contributions

People interested to participate in the workshop with an oral contribution are kindly requested to submit a short abstract (maximum one page) before 25th July.

Workshop venue

•The workshop will take place at:

Instituto de Estructura de la Materia, CSIC
Serrano 119, Madrid, Spain

•Accommodations are expected to be available at: "Residencia de Estudiantes" on Campus

Important dates

Abstract Submission	25 th July
Registration	20 th September
Final Program	20 th October

Workshop address

Please register, and send **Abstracts** to:

Mari Cruz García-Gutiérrez

e-mail: imtc304@iem.cfmac.csic.es

Instituto de Estructura de la Materia, CSIC

Serrano 121, Madrid 28006, Spain

Please indicate whether or not accommodation is necessary.



Workshop Organization

Mari Cruz García-Gutiérrez

Tiberio A. Ezquerro

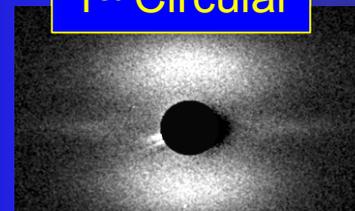
Daniel R. Rueda

Instituto de Estructura de la Materia, CSIC

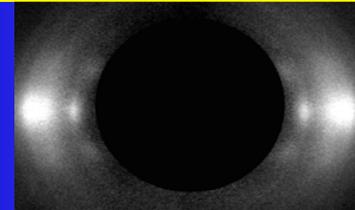
Serrano 119-121, Madrid 28006, Spain

Applications of Synchrotron Light to Non- crystalline diffraction in Materials and Life Sciences

1st Circular



24th-25th November 2005



Instituto de Estructura de la Materia, CSIC

Madrid, Spain



Scope of the workshop

The main aim of the workshop is to offer an overview about the present state of the art in the field of Non-crystalline diffraction in Materials and Life Sciences . The recent approval of a beam line devoted to this topic for the spanish synchrotron (ALBA) opens new opportunities for the spanish scientific community in this field of research.

The workshop will consist on four plenary lectures and several oral presentations of 15 minutes.

Relevant Topics

- Biological systems
- Polymers
- Composites
- Colloidal Systems
- Related Materials

Plenary Lectures

Anthony J. Ryan

**University of Sheffield
(Sheffield,UK)**

"Structure and Function in a Synthetic Muscle
Based on Block Copolymers"

Volker Abetz

**GKSS-Forschungszentrum
(Geesthacht,,Germany)**

"Characterization of Block Copolymers
by synchrotron radiation"

Oskar Paris

**Max-Planck-Institute of Colloids and Interfaces
(Potsdam, Germany)**

Structure and mechanical properties
of hierarchical composite materials:
Synchrotron Radiation as a local probe

Christian Riekel

**European Synchrotron Radiation Facility
(Grenoble.France)**

"Talk to be announced"

Confirmed oral contributions

Merce Cócera. IIQAB,CSIC, Barcelona.

"Application of Synchrotron Radiation to the structural and kinetic study of liposome-surfactant: improving time resolution "

Zlatan Denchev. SBP, Guimaraes. Portugal.

"Phase Transitions in Polyamides as Revealed by Solid State C13 NMR and WAXS and SAXS from synchrotron".

Araceli Flores, IEM,CSIC, Madrid.

"Synchrotron radiation studies of induced orientation in a liquid crystalline polyester under the influence of a magnetic field"

Marian Gómez, ICTP, CSIC, Madrid

"talk to be announced"

José María Lagarón,IATA, CSIC, Valencia

"Synchrotron radiation as a tool to identify structural modifications in polymers and nanocomposites related to packaged food quality and safety"

Aurora Nogales, IEM,CSIC, Madrid

"Structural evolution in polymers during Drawing deformation by In-situ SAXS and WAXS"

Ernesto Pérez-Tabernero, ICTP,CSIC.

"Phase transitions in liquid crystalline polymers from WAXS/MAXS/SAXS synchrotron experiments"

Ramón Pons, IIQAB,CSIC, Barcelona.

"Time resolved X-ray scattering experiments on emulsification processes"

Agneta Svensson, CELLS

"Talk to be announced"