

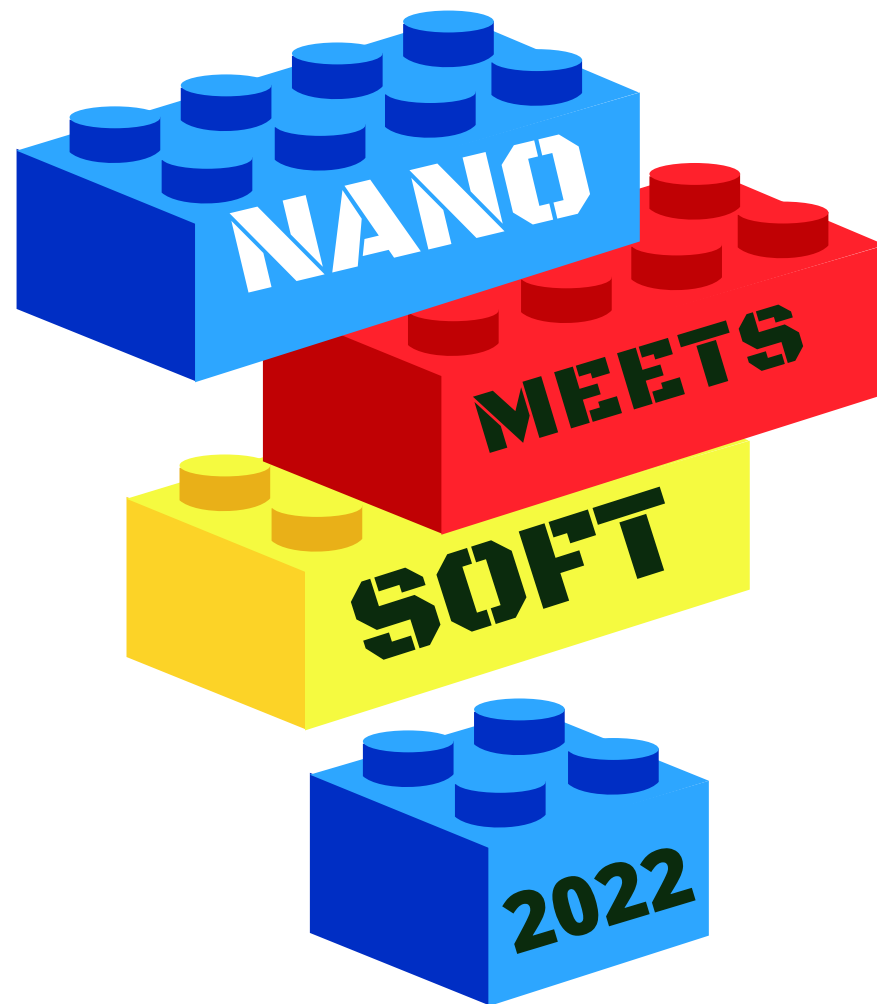
MOTIVATION

This scientific meeting is aimed to share the recent advances performed on the study of soft matter and polymeric systems, strengthening the collaboration between different research groups from the "Facultad de Ciencias" of UNED, and "Instituto de Estructura de la Materia" and "Instituto de Química Física Rocasolano" of CSIC.



**19 December, 2022, UNED, Avda. Esparta s/N, Las Rozas,
Madrid**

UNED-CSIC INTERNATIONAL CONGRESS



Program

09:45 - 10:00 H

Wellcome and presentation of the "*International NANO meets SOFT UNED-CSIC*".

Rosa Martín Aranda (Vicerrectora de Investigación, Transferencia y Divulgación of UNED) and Óscar Gálvez González (UNED organizer of the event)

10:00 - 10:15 H

Modification of Kapton wettability by laser nanostructuring.

Patricia García (CSIC)

10:15 - 10:30 H

Application of quantum simulation on soft condensed systems.

Óscar Toledano (UNED)

10:30 - 10:45 H

Application of P3HT and P3HT:PCBM nanoparticles as photodegrading agents for polluting dyes.

José Sena (CSIC)

10:45 - 11:00 H

Polymer/metal nanocomposites by laser ablation in liquids.

Esther Rebullar (CSIC)

11:00 - 11:15 H

Characterization studies on polymeric materials by infrared spectroscopy.

Mikel Sanz and Óscar Toledano (UNED)

11:15 - 11:30 H

Bidimensional melting phase transitions in fatty acid Langmuir monolayers.

Pablo Sánchez Puga (UNED)

11:30 - 11:45 H

XPS studies on polymeric materials.

Ángel Maroto (UNED)

12:30 - 13:00 H

Data mining of polymer nanostructure development using simultaneous SAXS/WAXS experiments coupled to Raman spectroscopy.

Daniel Hermida Merino (ESRF-France)

13:00 - 13:15 H

Conductive/insulator blend thin films based on furan-aromatic rings.

María Cruz García (CSIC)

13:15 - 13:30 H

3D Printing Assisted Nano Imprint Lithography (3DPANIL) Phantasy or reality?

Tiberio Ezquerro (CSIC)

13:30 - 13:45 H

Sputtering Gas Aggregation Sources for controlled nanoparticle fabrication.

Gonzalo Santoro (CSIC)

13:45 - 14:00 H

Caloric effects during compression/decompression cycles in polymeric matter.

Alejandro Sanz (UNED)

14:00 - 14:15 H

10 years preparing Polymer Nanoparticles at Softmatpol, what's done, what can be done.

Aurora Nogales (CSIC)



Lunch

15:30 - 16:30 H

Visit to the UNED laboratories.

16:30 - 17:00 H

Closure, discussion and conclusions.

Óscar Gálvez González (UNED) and Tiberio Ezquerro (CSIC)

Coffe break

