



Conference on Quasielastic Neutron Scattering and Workshop on Inelastic Neutron Spectrometers (QENS/WINS 2022)



23.May - 27.May 2022

Cod. Z02-22

Mod.:

Streaming Classroom

Edition

2022

Activity type

Workshop

Date

23.May - 27.May 2022

Location

Miramar Palace

Languages

English

Academic Validity

50 hours

Organising Committee







Description

The next joint celebration QENS/WINS will constitute the 15th Edition of the QENS series and the 10th of the WINS workshops.

QENS focusses on the discussion and exchange of scientific ideas related to the investigation of atomic and molecular motions, while WINS deals with instrumental aspects of quasielastic and inelastic neutron scattering techniques. Though originally QENS and WINS were held in an independent way, the added value of their joint celebration has been put forward, since it enhances their scope and impact on the scientific community related with the quasielastic and inelastic neutron scattering techniques.

QENS 2022 will offer a platform for discussion and exchange of scientific ideas among the experts in this field, and a general overview to newcomers about the capabilities of QENS in exploring atomic and molecular motions and relaxation processes of novel materials. As a novelty, this QENS edition will explore and exploit the potential synergies between different methods (including experimental techniques and simulations, but always with QENS in the spotlight), in order to face diverse scientific challenges emerging in different research fields.

WINS --the 10th Workshop on Inelastic Neutron Spectrometers-- will present progresses on new spectrometer projects. As in previous editions, the theme of "New idea, New concept, New design, New instrumentation for New sciences" will be followed. New developments in the application of polarization analysis, magnetic field, pressure, or improvements in sample environments for soft matter systems will be covered. Software for data acquisition, analysis and instrument simulation will be also part of the program. In analogy with the spirit of QENS 2022, the synergy with complementary methods --in this case mainly with advanced simulations and extensive Monte Carlo simulations-- will be emphasized.

Young scientists involved in neutron scattering investigations can particularly profit from this joint event (and are especially welcome).

ORGANIZING COMMITTEE:

Chairs:

Arantxa Arbe - Centro de Física de Materiales (CFM) (CSIC-UPV/EHU) - Materials Physics Center (MPC)

Juan Colmenero - Centro de Física de Materiales (CFM) (CSIC-UPV/EHU) - Materials Physics Center (MPC)

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Marta López - Materials Physics Center (MPC)

Jon Maiz - Materials Physics Center (MPC)

Paula Malo de Molina - Materials Physics Center (MPC)

Karmela Alonso - Donostia International Physics Centre (DIPC)

Carmen Martín - Donostia International Physics Centre (DIPC)

Objectives

The main purpose of QENS 2022 is to cover the broad spectrum of scientific activities related with the investigation of dynamical processes in different systems using quasi-elastic neutron scattering



techniques (accessing both frequency and time domains).

WINS 2022 will cover innovative aspects of neutron instrument design.

POSTER PRIZES:

We offer a QENS Poster Prize and a WINS Poster Prize, worth 300€ each. Applicants have to be PhD Students, Postdocs or Early Career scientists with age ≤ 35 years. If you apply for the Prize, please check in the corresponding box of the form. In this case, the video presenting your poster is mandatory. The evaluation criteria will include the design and structured content of the poster and its scientific quality. The names of the Poster Prizes' Winners will be announced in the Conference Diner.

Course specific contributors





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Directors



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Registration fees

IN PERSON ATTENDANCE	UNTIL 12-05-2022
Reduced Fee (Students / Early Career)	300,00 EUR
Standard	475,00 EUR
ONLINE ATTENDANCE	UNTIL 12-05-2022
Standard	175,00 EUR



Place

Miramar Palace

Pº de Miracóncha nº 48. Donostia / San Sebastián

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