



<http://www.ill.eu/QENSWINS2014>

CONTACT

Institut Laue-Langevin
6, rue Jules Horowitz
BP 156F-38042 Grenoble cedex 9

SECRETARY

Laurence Tellier, ILL, tel.: +33 (0) 4 76 20 70 60

e-mail: genswins2014@ill.eu



QENS 2014

QENS2014 aims to highlight topical scientific activities in the investigation of the dynamics of matter using quasi-elastic neutron scattering and to envision new applications. For neutron users it is the ideal showcase for their research. Newcomers will get a good overview over the scientific potential via contact with experts in the field. The conference program will take account of the increasing need for computer simulation and for theory support in data interpretation and will place QENS in the context of complementary techniques.

QENS science covers a wide area, ranging from fundamental questions to relevant societal challenges like life sciences or future energy sources. The focus is to unravel the dynamic and relaxation behavior of condensed matter in addition to structure. The following keywords give an impression of themes covered at QENS2014:

- Dynamics of confined matter in nanoporous materials relevant e.g. for catalysis, pharmacy, nuclear waste storage, metal-organic frameworks, hydrogen storage...
- Dynamics of biological, bio-related systems, e.g. in relation to function
- Polymer dynamics in bulk, blends, gels, membranes, films, composites or as additives
- Dynamics of water or other polar or amphiphilic liquids and their interaction
- Dynamic phenomena in glass-forming liquids
- Dynamics of ionic and protonic conductors, electrolytes, e.g. for fuel cells or battery research
- Dynamics of soft matter, liquids, liquid crystals, liquid mixtures, complex liquids, ionic liquids, micelles
- Relaxational dynamics of magnetic systems
- Theory and numerical simulations in relation to QENS
- Complementary techniques

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WINS2014

The aim of the workshop is to overview recent developments, forthcoming projects and practice of inelastic & quasi-elastic neutron spectrometers. Related issues such as development of data analysis software, auxiliary devices and outlook for future scientific efforts will be also of concern. We'll put a particular emphasis on comparison of dynamics in single crystals investigated using TAS and T-o-F.

The themes for presentations will include:

- Quasi- and Inelastic Neutron spectrometers: design and simulations, novel ideas
- Devices and auxiliary equipment: polarization, magnetic field, pressure
- Software for data acquisition, analysis and instrument simulation.

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LOCATION

The conference will be held in Autrans, 30 km from Grenoble.



Accommodation and full-board will be organized on-site at:

L'Escandille
Route de la Sure
38880 Autrans
Tel : +33 (0)4 76 95 32 02

Single and double rooms are available.

Autrans is part of the Vercors Regional Natural Park. It is the largest natural reserve in France and is a sanctuary for flora and wildlife.

Tourist information:

The office du Tourisme is at rue du Cinéma, Autrans
Telephone: +33 (0)4 76 95 30 70, fax: +33 (0)4 76 95 38 63, e-mail: info@autrans.com

IMPORTANT DATES

1st circular	June 2013
2nd circular	November 2013
Abstract deadline	December 13, 2013
Abstract decision	January 31, 2014
Notification of acceptance	February 7, 2014
Registration deadline	February 21, 2014
Final announcement and program	March 15, 2014

LOCAL COMMITTEE

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