Contribution ID: **1** Type: **Oral**

DYNAFUN introduction

Monday, 12 September 2022 16:30 (10 minutes)

Functional materials are those possessing desirable tuned properties for applications such as, but not limited to, energy harvesting, storage, memory and communication devices. Functional materials can be any type of specially designed material with a determined function: semiconductors, polymers, porous media, molecular crystals or nanoparticles are good examples of them. Their special physico-chemical properties make functional materials so special.
With this workshop, we invite you to share and listen the latest achievements in the understanding of the fundamental origin of these functional properties at the atomic level. The investigation of the dynamics of such materials, and in particular ion dynamics, represents the preferential way to gather information on these functional properties. For this reason, this event emphasize on the use of neutron spectroscopy technique, but welcome any important highlight using complementary spectroscopic techniques and computational methods.
The program will leave time for informal but lively discussions of specific topics, like sample environment developments and modelling infrastructures and software, aiming to receive input from the community in order to define future needs.
The workshop will take place in the holiday centre Le Pré du Lac at Saint-Jorioz, on Annecy lakeshore (France), with accommodation on-site, leaving plenty of space for discussions in the relaxing atmosphere of the Annecy lakeshore.

Primary authors: PIOVANO, andrea (ILL); JIMENEZ-RUIZ, Monica (ILL); BOEHM, Martin

Presenter: PIOVANO, andrea (ILL)

Session Classification: Session 1 : Materials Science 1