

Collaborative Workshop on Modulation & Nanostructuring in Layered Materials

28 - 31 March 2012

Institute of Physics, Zagreb, Croatia

Invited participants

H. Alloul (Orsay)
N. Barišić (Orsay)
I. Božović (Brookhaven)
J. R. Cooper (Cambridge)
M. Dressel/R. Beyer (Stuttgart)
T. Fehér (Budapest)
V. V. Kabanov (Ljubljana)
A. Keren (Haifa)
D. Mihailović (Ljubljana)
J. P. Pouget (Orsay)
P. Prelovšek (Ljubljana)
V. Radmilović (Beograd)
Z. Radović (Beograd)
I. Živković (Zagreb)

The purpose of the workshop is to forward the ideas of future joint investigations, collaboration, and project applications. The precise subject and scale of the possible collaborations/project-proposals is not fixed, although it is expected that some may be drafted during the meeting, and then refined in the following months. The reference to layered (quasi-2d) systems that figures in the title of the gathering is expected to give a broad guideline, as this still seems a vast and promising subject, especially when combined with structuring on nano-scale. This also reflects in the background of the invited participants. The gathering is expected to have around twenty participants, with externally invited participants is expected to be around 10. The people from experiment in condensed matter (transport, ESR, neutron scattering, NMR, ...), theory, as well as sample production are supposed to be there.

The scope of the collaborative workshop is to gather people with background in physics of low-dimensional materials in order to push forward promising research topics that would eventually result in joint grant applications. Paradigm that pushed the idea of the workshop is to unify expertise and know-how of both theoreticians and experimentalists in different fields (transport, ESR, neutron scattering, NMR,...), strengthened with sample-production experts and links. The format of the meeting makes a mix of short presentations of participating laboratories, groups and research, and round-table discussions focused on selected topics. The topics themselves are loosely defined, but however we would target the following: the physics in various homogenous low-dimensional/layered crystalline materials, spontaneous nano-structuring in otherwise homogenous systems, and artificial nano-patterned materials.

Organizers:

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Collaborators:

Ante Bilušić, Faculty of Science, University of Split
Antonije Dulčić, Faculty of Science, University Zagreb
Denis K. Sunko, Faculty of Science, University Zagreb
Eduard Tutiš, Institute of Physics, Zagreb

Local committee

Jovica Ivkov, Petar Popčević, Kristijan Velebit
Institute of Physics, Zagreb

Coorganizers



Financial support



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