

Conference of Centre of Excellence: Mesosystems: theory and applications
Nov 13 2014, 11:00-16:30
University of Tartu, Institute of Physics
[Ravila 14c - A411. 50411 Tartu, Estonia](#)

11:00-12:45 Presentations (a 20+5 min):

V. Hizhnyakov

Vibrational solitons

A. Pishtshev

Oxygen mediated functionalization of yttrium trihydride

A. Šerman

Low-frequency quantum oscillations caused by strong electron correlations

Alexander Savitsky, (Deputy Director, Professor of biochemistry, Head of the physical biochemistry lab, A.N. Bach Institute of Biochemistry, Russian Academy of Science)

Development of biosensors

12:45-13:30 Time for lunch

13:30-14:00 Excursion in new building of Institute of Physics

14:00-16:10 Presentations (a 20+5 min):

Valter Kiisk, Aile Tamm, Kathriin Utt, Jekaterina Kozlova, Hugo Mändar, Laurits Puust, Jaan Aarik, Ilmo Sildos

Photoluminescence of rare earth activated thin films prepared by atomic layer deposition

Ilona Oja Acik

Plasmonic materials fabricated by chemical solution based methods

Erki Kärber

Preparation and use of plasmonic absorbers in solar cells

Kaia-Liisa Habicht:

Studying protein-drug interactions by using frontal affinity chromatography

S. Vlassov

In situ SEM mechanical characterization of individual 1D nanostructures

16:10-16:30 Meeting of Steering Committee