

SEMINARIUM Z MAGNETYZMU I NADPRZEWODNICTWA

Upzejmie zawiadamiamy, że we **WTOREK**

22 listopada 2011 r., o godz. 10:00

w sali 203 (bud. 1) odbędzie się seminarium, na którym

Prof. Ivan Škorvánek

Institute of Experimental Physics, Slovak Academy of Sciences, Kosice, Slovakia

wyłosi referat na temat:

„FeCo- AND GdFeCo-BASED AMORPHOUS AND NANOCRYSTALLINE ALLOYS FOR SENSORS AND MAGNETOCALORIC APPLICATIONS”

FeCo-based amorphous and nanocrystalline alloys combine a high saturation magnetic flux density with good magnetic softness. In order to further optimize their magnetic performance it is important to deepen knowledge about the influence of the processing techniques that can be used to tailor their properties for specific applications.

First, we shall give examples of our recent work on the FeCo-based soft magnetic amorphous and nanocrystalline alloys optimized for sensor applications.

On the other hand we shall discuss the properties of Gd(Fe,Mn)Al-based glassy alloys in view of their application for magnetic refrigeration. These alloys, prepared by melt-spinning, combine favourable magnetic entropy characteristics with sufficiently high effective magnetic moment per volume, which makes them good candidates for magnetic refrigeration in the intermediate range between cryogenic and room temperature.

Serdecznie zapraszamy

Roman Puźniak
Henryk Szymczak
Andrzej Wiśniewski