

SEMINARIUM Z MAGNETYZMU I NADPRZEWODNICTWA

Uprzejmie zawiadamiamy, że w **środę**

24 lutego 2021 r., o godz.10:00

odbędzie się seminarium **on-line (link podany jest na stronie IF PAN),**

na którym

dr hab. Piotr Tomczak, prof UAM

Quantum Physics Division, Faculty of Physics, Adam Mickiewicz University, Poznań

wyłosi referat na temat:

“Universal FMR procedure to probe magnetic characteristics of ferromagnetic thin films. Application to (Ga,Mn)As”

The lecture presents the method of numerical analysis of experimental ferromagnetic resonance spectra and the results of its application to (Ga,Mn)As thin films. Specifically, the method starts with the finding of numerical solutions of the Smit-Beljers dispersion equation and continues with their subsequent statistical analysis within the cross-validation approach, taken from machine learning techniques. As a result of this treatment, we are able to reinterpret the available FMR experimental results in diluted ferromagnetic semiconductor (Ga,Mn)As thin films with the resulting determination of magnetocrystalline anisotropy constants.

Serdecznie zapraszamy

Roman Puźniak
Andrzej Szewczyk
Henryk Szymczak