

SEMINARIUM Z MAGNETYZMU I NADPRZEWODNICTWA

Uprzejmie zawiadamiamy, że w **środę**

10 marca 2021 r., o godz.10:00

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

na którym

Ł. Gładczuk^{1,2}

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wyłosi referat na temat:

“Spin-current and exchange coupling in MgO-based magnetic tunnel junctions”

Heterostructures composed of ferromagnetic layers that are mutually interacting through a non-magnetic spacer are at the core of magnetic sensor and memory devices. Such devices can exhibit different types of coupling between magnetic layers, such as: exchange coupling and spin-current mediated coupling. We used the technique of x-ray detected ferromagnetic resonance (XFMR) to study the dynamics of a Co/MgO/Permalloy magnetic tunnel junction (MTJ). The experimental results were quantitatively compared to the Landau-Lifshitz-Gilbert-Slonczewski model where an in-depth statistical analysis based on a likelihood ratio test was employed to determine the presence of spin-current mediated coupling between the two magnetic layers.

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Serdecznie zapraszamy

Roman Puźniak
Andrzej Szewczyk
Henryk Szymczak