

5th Polish – Japanese Workshop on Spintronics

13-14 November 2023

Pałac Staszica, Nowy Świat 72, Warsaw, Poland

Monday, November 13 th , 2023		
Chair: Tomasz Dietl		
15:00 – 15:05	Hideo Ohno	Opening
Chair: Józef Barnaś		
15:05 – 13:35	Makoto Kohda	Control of electron spin waves in semiconductor quantum structures
15:35 – 16:05	Anna Dyrdał	Spin-to-charge interconversion in 2D quantum materials
16:05 – 16:35	Rie Umetsu	Electronic states of half-metallic ferromagnets and fully-compensated ferrimagnets
16:35 – 17:05	Tomasz Dietl	Charge dopants control of quantum spin Hall materials

Tuesday, November 14 th , 2023		
8:30 – 08:40, Morning coffee		
Chair: Makoto Kohda		
08:40 – 09:10	Mikihiko Oogane	Development of highly sensitive tunnel magneto-resistive sensor
09:10 – 09:40	Piotr Wiśniowski	Tunneling magnetoresistance sensors based on perpendicular anisotropy
09:40 – 10:10	Shunsuke Fukami	Stochastic dynamics of nanomagnet and its application to unconventional computing
10:10 – 10:30	Jan Sufczyński	Antiferromagnet CrPS ₄ probed by Raman spectroscopy
10:30 – 11:00	Coffee/refreshments	
Chair: Maciej Sawicki		
11:00 – 11:30	Anna Koziół Rachwał	Controlling the spin direction in nanoscale antiferromagnets
11:30 – 11:50	Ju-Young Yoon	Electrical control of noncollinear antiferromagnetic Mn ₃ Sn thin film
11:50 – 12:10	Michał Grzybowski	Hysteretic effects in magnetotransport of antiferromagnetic MnTe and CoO/Pt
12:10 – 12:30	Takemi Kato	Electronic states of kagome superconductors studied by micro-ARPES
12:30 – 12:50	Aleksandra Królicka	Weyl semimetal phase in bulk (Pb,Sn)Te:Cr

