



Workshop on High temporal and spatial resolution studies of magnetic nanostructures

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Augustów, Poland, 2008

Preliminary Workshop Programme



27th June 2008, Friday

16:00	Departure of special bus from Warsaw to Augustów
17:00	Departure of special bus from Białystok to Augustów
20:00	Dinner
21:00	Get together party

28th June, Saturday

7:30	Breakfast	
9:00	Opening ceremony of the Workshop	
10:00	chairman - Burkard Hillebrands	
10:00	Jacques Ferre Orsay, France	New insights into magneto-optics as a tool for studying magnetic nanostructures.
10:40	Jean-Pierre Jamet Orsay, France	Perpendicular to in-plane spin reorientation transition in a 2-d system. He-irradiated Pt/Co(0.5 nm)/Pt, a canonical example?
11:00	Roman Pisarev St-Petersburg, Russia	Ultrafast magnetic and optical phenomena in rare earth orthoferrites
11:35	Coffe break	

12:00	chairman - John Slonczewski	
12:00	Henryk Szymczak Warszawa, Poland	Magnetocrystalline anisotropy in geometrically frustrated cobaltites
12:20	Kenta Amemiya PF, Tsukuba Japan	Magnetic Depth Profiling by the Depth-resolved XMCD Technique with Atomic-layer Resolution
12:55	Kamil Postava Ostrava, Czech Republic	Depth and material sensitivity of magneto-optical ellipsometry
13:15	Lech Tomasz Baczewski Warsaw, Poland	Mo induced magnetic moment in Co/Mo multilayers evidenced by PNR
13:50	Lunch	
15:30	chairman - Henryk Szymczak	
15:30	Theo Rasing Nijmegen, Holland	Spin manipulation on the femtosecond time scale.
16:05	Alexandra M. Kalashnikova Nijmegen, Netherlands	Ultrafast control of spin precession by linearly polarized light in an antiferromagnet
16:25	Józef Korecki Kraków, Poland	Depth-resolved local magnetization structure studied with nuclear spectroscopies.
17:00	Coffe break	
17:30	chairman - Hermann A. Dürr	
17:30	Juergen Fassbender Rossendorf, Germany	Time-resolved PEEM investigations of magnetic microstructures.
18:05	Stefania Pizzini Grenoble, France	High speed current-induced domain wall displacement in FeNi/Cu/Co nanowires observed by XMCD-PEEM
18:25	Elena Vedmedenko Hamburg, Germany	Standing spin waves in antiferromagnetic spin systems
19:15	Dinner on boat	

29th June, Sunday

7:00	Breakfast	
9:00	Canoe trip on Czarna Hańcza	
14:00	Afternoon bus trip to Wigry Lake region from Hotel	
19:30	Dinner	
20:00	Poster session	
21:00	Round table devoted to methods of depth sensing of magnetic nanostructures - chairman Jacques Ferre	

30th June, Monday

7:30	Breakfast	
9:00	chairman - Josef Zweck	
9:00	Roland Wiesendanger Hamburg, Germany	Spin mapping and spin manipulation on the atomic scale.
9:35	André Thiaville Orsay, France	Scanning probe magnetic microscopy: MFM and BEEM.
10:10	Stephen McVitie Glasgow, United Kingdom	In situ imaging of domain walls in magnetic nanostructures using Lorentz microscopy
10:45	Coffe break	
11:20	chairman - Roland Wiesendanger	
11:20	Andrew Shubin Moscow, Russia	Magnetic Force Microscopy probes and reading/writing processes in the high-density magnetic nanoparticles array
11:55	Josef Zweck Regensburg, Germany	Local Probing of Magnetic Properties by Electron Microscopy
12:30	Aimo Winkelmann Halle, Germany	Interferometric control of spin-polarized multi-photon photoemission
13:20	Lunch	
15:35	chairman - Stefania Pizzini	
15:35	Hermann A. Dürr Berlin, Germany	Femtosecond spin dynamics in ferromagnetic films and nanostructures
16:10	Riccardo Hertel Jülich, Germany	Ultrafast magnetic vortex core switching by field and current excitations
16:45	Coffe break	
17:15	chairman - Tomasz Dietl	
17:15	Alberta Bonanni Linz, Austria	Fermi-level engineering and resolution of magnetic nanostructures in (Ga,Fe)N
17:50	Jeff McCord Dresden, Germany	Magnetization dynamics of ferromagnetic-antiferromagnetic systems
19:15	Bonfire	

1st July, Tuesday

7:30	Breakfast	
9:00	chairman - Stephen McVitie	
9:00	Claire Wilhelm Paris, France	Magnetic labelling of living cells for cellular magnetic manipulations, MRI cell imaging and therapeutic hyperthermia
9:35	Vitalii Zablotskii Pamplona, Spain	Destroying on the nanoscale: thermal and mechanical killing of tumor cells with magnetic nanoparticles
10:10	Coffe break	

10:45	chairman - Elena Vedmedenko	
10:45	Philippe Allongue Palaiseau, France	In situ studies of electrodeposited magnetic materials
11:20	Eric Bourhis Marcoussis France	Advanced nano-patterning of magnetic media using next generation Focused Ion Beam instruments - Status and perspectives
11:40	A.Stupakiewicz Białystok, Poland	Magnetic properties of ultrathin Co film grown on vicinal Si substrate
12:00	A. Fleurence Orsay, France	Self-organized magnetic nanostructures on silicon
12:20	M.Tekielak Białystok, Poland	Changes of magnetization ordering by increasing the repetitions number N in (Au/Co/Au) _N multilayers
12:40	Maciej Urbaniak Poznań, Poland	Investigation of magnetostatic interactions in NiFe/Au/Co/Au multilayers
13:30	Lunch	
15:45	chairman - André Thiaville	
15:45	John Slonczewski Yorktown Heights, USA	Electronic mechanism of conductance and spin-transfer torque in magnetic tunneling junctions
16:20	Józef Barnaś Poznań, Poland	Current-induced magnetic switching and spin dynamics in metallic nanopillars
16:55	Rudolf Schäfer Dresden, Germany	Giant negative domain wall resistance in iron
17:15	Coffe break	
17:50	chairman - Theo Rasing	
17:50	Burkard Hillebrands Kaiserslautern, Germany	Nonlinear optics with new light: optics with spin waves
18:25	Andrzej Wawro Warsaw, Poland	Magnetic nanodots as the result of anisotropy engineering in ultrathin Co films
19:15	Workshop dinner	

2nd July, Wednesday

7:00	Breakfast
8:00	Departure of special bus from Augustów to Warsaw
10:00	Departure of special bus from Augustów to Białystok

Location



Hotel "Warszawa" sp. z o.o.

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