

Zakopane School 2013 timetable

	Monday 20th	Tuesday 21st	Wednesday 22st	Thursday 23st	Friday 24st	Saturday 25st	
8		<i>Breakfast</i>	<i>Breakfast</i>	<i>Breakfast</i>	<i>Breakfast</i>	<i>Breakfast</i>	8
9		L-01 Robert Barker	L-18 Javier Tejada	School Excursion	L-08 Stoffel Janssens	L-02 Dermot Brabazon	9
		L-19 Lisa Vaccari	L-20 B. Van Waeyenberge		L-03 Hyeonsik Cheong	L-07 Thomas Hauet	10
10		<i>Coffee Break</i>	<i>Coffee Break</i>		<i>Coffee Break</i>	<i>Coffee Break</i>	11
11		L-14 Jacinto Sá	L-05 Julia Fedotova		L-12 Alan Michette	L-11 Naoto Koshizaki	12
12		L-10 Katarzyna Konopka	L-21 Ulf Wiedwald		L-16 Leonid F. Sukhodub	Closing Remarks	13
		L-09 Peter Keim	L-06 Michael Giersig		L-17 Jakub Szlachetko		14
13		<i>Lunch</i>	<i>Lunch</i>		<i>Lunch</i>	<i>Lunch</i>	15
14		Oral Presentations: C-09, C-26, C-27, C-57, C-18, C-45	Mountain activities - on your own expenses		Mountain activities - on your own expenses	Departure to Kraków	14
15				<i>Lunch</i>			15
16				L-13 Denes Nagy			16
17		<i>Coffee Break</i>	L-04 Ludwik Dobrzyński	17			
18		<i>Dinner</i>	<i>Dinner</i>	<i>Dinner</i>	18		
19	<i>Dinner</i>	<i>Conference Dinner</i>	Oral Presentations: C-15, C-30, C-39, C-34, C-58, C-04	Poster Session	Oral Presentations: C-28, C-41, C-20, C-55, C-01		19
20	Opening of the School						20
21	L-15 Robert D. Shull					21	

Conference Schedule

MONDAY 20th May 2013

19.00	Dinner		
20.00	Opening of the Conference		
20.15	Robert D. Shull (Gaithersburg, USA) Magnetic domain dynamics in nanocomposite materials revealed by real-time images	L 15	16

TUESDAY 21st May 2013

7.30 – 8.45	Breakfast		
	MORNING SESSION		
8.45 – 9.30	Robert Barker (Grenoble, France) From biofactories to general anaesthesia: using neutrons as a probe for biological challenges	L 01	1
9.30 – 10.15	Lisa Vaccari (Trieste, Italy) Lab-On-a-Chip (LOC) devices for infrared spectromicroscopy of live single cells: advantages, disadvantages and future perspectives	L 19	20
10.15–10.45	Coffee break		
10.45–11.30	Jacinto Sá (Lausanne, Switzerland) <i>Where do we come from? What are we? Where are we going? Can TiO₂ be the answer to all this?</i>	L 14	15
11.30–12.15	Katarzyna Konopka (Warszawa, Poland) Engineering materials coded in DNA	L 10	11
12.15–13.00	Peter Keim (Konstanz, Germany) Phase transitions and vitrification in two-dimensional colloidal systems	L 09	10
13.00–14.00	Lunch		
	AFTERNOON SESSION		
14.00–14.20	Ekrem Çiçek (Burdur, Turkey) Morphological variations of chondrocytes in bovine articular cartilage using Confocal Laser Scanning Microscopy	C 09	32
14.20–14.40	Michał Krupiński (Kraków, Poland) Structural and magnetic properties of FePd:Cu thin alloy films nanopatterned by self-assembly methods	C 26	50

14.40–15.00	Krzysztof Kuczera (Lawrence, KS, USA) Computer simulation of slow biological processes: peptide folding and membrane permeation	C 27	51
15.00–15.20	Arkadiusz Zarzycki (Kraków, Poland) Application of Conversion Electron Mössbauer Spectroscopy for FePd thin alloy systems	C 57	89
15.20–15.40	Alexander Hassdenteufel (Chemnitz, Germany) Thermally assisted all-optical helicity dependent magnetic switching in Fe_{100-x}Tb_x films	C 18	42
15.40–16.00	Karolina Stachnik (Kraków, Poland) Scanning X-Ray microscopy with a single photon counting 2D detector	C 45	76
18.30 – ...	Conference dinner		

WEDNESDAY 22st May 2013

7.30 – 8.45	Breakfast		
	MORNING SESSION		
8.45 – 9.30	Javier Tejada (Barcelona, Spain) Quantum nanomagnetism	L 18	19
9.30 – 10.15	Bartel Van Waeyenberge (Gent, Belgium) Field and spin torque driven dynamics in magnetic nanostructures	L 20	21
10.15–10.45	Coffee break		
10.45–11.30	Julia Fedotova (Minsk, Belarus) Tailored magnetic and electronic states in 3D-metal – insulator films: characterization and applications	L 05	5
11.30–12.15	Ulf Wiedwald (Duisburg, Germany) Tailoring magnetic domains by periodic antidots on the nanoscale	L 21	22
12.15–13.00	Michael Giersig (Berlin, Germany) Electromagnetic waves interaction with various metallic nanomaterials	L 06	6
13.00–14.00	Lunch		
14.00–18.00	MOUNTAIN ACTIVITIES (on your own expenses)		
18.00–19.00	Dinner		
	EVENING SESSION		
19.00–19.20	Artur Działo (Kraków, Poland) Size effects in the resistivity of ultra thin metallic layer	C 15	39

19.20–19.40	Ewelina Lipiec (Kraków, Poland) Molecular characterization of individual DNA double strand break with tip enhanced Raman scattering	C 30	54
19.40–20.00	Marcin Perzanowski (Kraków, Poland) Pulsed laser annealing of FePd:Cu thin films	C 39	69
20.00–20.20	Urszula Majewska (Kielce, Poland) X-ray fluorescence techniques in medical applications: reference values of elements in human serum, urine and hair	C 34	60
20.20–20.40	Radosław Żuk (Kraków, Poland) Cyclosporin A in monolayers at the air/water interface	C 58	90
20.40–21.00	Vadim Bayev (Minsk, Belarus) Perpendicular magnetic anisotropy of magnetic ordered Ni-Pd nanostructures in anodic aluminum oxide templates	C 04	26

THURSDAY 23st May 2013

7.30 – 8.45	Breakfast		
	SCHOOL EXCURSION		
15.00–16.00	Lunch		
	AFTERNOON SESSION		
16.00–16.45	Denes Nagy (Budapest, Hungary) Interchanging source and detector: reciprocity and its violation in scattering experiments	L 13	14
16.45–17.15	Coffee break		
17.15–18.00	Ludwik Dobrzyński (Otwock-Świerk, Poland) Big problems with low doses of ionizing radiation	L 04	4
18.00–19.00	Dinner		
19.00–21.00	POSTER SESSION		

FRIDAY 24st May 2013

7.30 – 8.45	Breakfast		
	MORNING SESSION		
8.45 – 9.30	Stoffel Janssens (Hasselt, Belgium) Fabrication and properties of nanocrystalline diamond films	L 08	9
9.30 – 10.15	Hyeonsik Cheong (Seoul, Korea) Confocal Raman spectroscopy for investigation of basic properties of graphene	L 03	3
10.15–10.45	Coffee break		

10.45–11.30	Alan Michette (London, United Kingdom) Focused X-ray probes for studies of radiation induced cancers: a case study in integrating sources and optics	L 12	13
11.30–12.15	Leonid F. Sukhodub (Sumy, Ukraine) Nanocrystalline calcium orthophosphate coatings on Ti and Mg substrates: obtaining, characterization and testing in SBF	L 16	17
12.15–13.00	Jakub Szlachetko (Villigen, Switzerland) Electronic and geometric structure of matter probed in-situ by means of x-ray spectroscopy techniques	L 17	18
13.00–14.00	Lunch		
14.00–18.00	MOUNTAIN ACTIVITIES (on your own expenses)		
18.00–19.00	Dinner		
	EVENING SESSION		
19.00–19.20	Andrzej Kulik (Lausanne, Switzerland) AFM-based detection of infrared spectra (NANOIR)	C 28	52
19.20–19.40	Szymon Prauzner-Bechcicki (Kraków, Poland) Influence of chemical and physical properties of polymer surfaces on cells growth and adhesion	C 41	71
19.40–20.00	Idris Kabalci (Sanliurfa, Turkey) Investigation of infrared and Raman spectra of TeO₂-Nb₂O₅-TiO₂ glasses	C 20	44
20.00–20.20	Grzegorz Wróblewski (Warszawa, Poland) Influence of carbon nanoparticles morphology on physical properties of polymer composites	C 55	86
20.20–20.40	Inam Ul Ahad (Warszawa, Poland) Polycarbonates (PC) surface modification by extreme ultraviolet (EUV) radiation	C 01	23

SATURDAY 25st May 2013

7.30 – 8.45	Breakfast		
	MORNING SESSION		
8.45 – 9.30	Dermot Brabazon (Dublin, Ireland) Utilisation of laser processing technologies for species separation and surface science applications	L 02	2
9.30 – 10.15	Thomas Hauet (Nancy, France) New schemes for bit pattern media	L 07	7
10.15–10.45	Coffee break		

10.45–11.30	Naoto Koshizaki (Tsukuba, Japan) Fabrication of crystalline submicrometer spherical particles and their optical and medical applications	L 11	12
	Closing remarks		
13.00–14.00	Lunch		
14.30	DEPARTURE TO KRAKÓW		