

From Spins to Cooper Pairs and Back
2nd International Conference on Magnetism and Superconductivity
in Selected Systems (StoCP-2016)
Zakopane 25/09 - 30/09/2016

Sunday, 25/09	
17 ⁰⁰ - 19 ⁰⁰	Arrival & registration
19 ⁰⁰ - 20 ⁰⁰	dinner
20 ⁰⁰ - 22 ⁰⁰	Inaugural session

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Monday, 26/09		
8 ⁰⁰ - 9 ⁰⁰	breakfast	Page in book of abstracts
<i>chair:</i>	<i>M. Cieplak</i>	
9 ⁰⁰ - 9 ⁴⁰	F. Steglich: Superconductivity at $T_c = 2m$ K in the quantum critical heavy-fermion antiferromagnet YbRh_2Si_2 due to competing nuclear order	5
9 ⁴⁰ - 10 ²⁰	C. Di Castro: Charge order in Cuprates	6
10 ²⁰ - 11 ⁰⁰	W. Tabiś: Charge density wave order and the carrier density in cuprate superconductors	7
11 ⁰⁰ - 11 ³⁰	coffee/tea	
<i>chair:</i>	<i>A. Keren</i>	
11 ³⁰ - 12 ¹⁰	A. Kordyuk: Metamorphoses of electronic structure of FeSe-based superconductors	8
12 ¹⁰ - 12 ⁴⁰	J. Spałek: Extended t-J model: Quantitative comparison with experiment	9
12 ⁴⁰ - 13 ¹⁰	A. Avella: Defects, Disorder, and Strong Electron Correlations in Orbital Degenerate, Doped Mott Insulators	10
13 ¹⁰ - 13 ³⁰	A. P. Durajski: High-temperature superconductivity in hydrogen-rich materials and cuprates	11
13 ³⁰ - 15 ⁰⁰	lunch/ break	
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15 ⁰⁰ - 15 ⁴⁰	A. Ślebarski: Skutterudite-related $\text{Ce}_3\text{M}_4\text{Sn}_{13}$ and $\text{La}_3\text{M}_4\text{Sn}_{13}$ (M=Co, Ru, Rh); A pathway from f - and d -electron correlations to superconductivity	12
15 ⁴⁰ - 16 ¹⁰	A. Wiśniewski: Exchange-bias effect in complex perovskite oxides	13
16 ¹⁰ - 16 ³⁰	L. Kalinowski: Charge-density-wave state induced by structural distortion in heavy-fermion compounds $\text{Ce}_3\text{M}_4\text{Sn}_{13}$ (M=Co, Ru, Rh)	14
16 ³⁰ - 17 ⁰⁰	coffee/tea	
<i>chair:</i>	<i>A. Wójs</i>	
17 ⁰⁰ - 17 ⁴⁰	M. Samsel-Czekafa: Looking for new unconventional superconductors among $(\text{Y;Th})T_2M_2$ systems (where T = transition metal and M = Si, Ge)	15
17 ⁴⁰ - 18 ¹⁰	B. Wiendlocha: Unconventional superconductivity of the noncentrosymmetric LaNiC_2 and the effect of pressure	16
18 ¹⁰ - 18 ³⁰	A. Ptok: The Fulde–Ferrell–Larkin–Ovchinnikov phase in iron-based superconductors	17
18 ³⁰ - 18 ⁵⁰	R. Kurlito: Insight into a hybridization of Ce 4f electrons with photoemission spectroscopy	18
19 ⁰⁰ - 20 ⁰⁰	dinner	
20 ⁰⁰ - 22 ⁰⁰	poster session	

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Tuesday, 27/09		
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<i>chair:</i>	<i>M. Samsel-Czekala</i>	
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15 ⁴⁰ - 16 ⁰⁰	A. Kapanowski: How to deal with hard problems: Examples from graph theory	30
16 ⁰⁰ - 16 ²⁰	P. Tarasewicz: Electron-phonon and electron-electron interactions in two-band fermion systems	31
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13 ¹⁰ - 13 ³⁰	K. Komędera: Types of magnetic order in iron-based superconductors parent compound PrFeAsO studied by Mössbauer spectroscopy	41
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<i>chair:</i>	<i>S. Robaszkiewicz</i>	
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<i>chair:</i>	<i>A. Avella</i>	
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11 ⁰⁰ - 11 ³⁰	coffee/tea	
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11 ³⁰ - 12 ¹⁰	K. Rogacki: Ferromagnet-superconductor nanosized heterostructures for basic research and applications	54
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13 ³⁰ - 15 ⁰⁰	lunch	
	excursion/ free time	
20 ⁰⁰ - 22 ⁰⁰	conference dinner	

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Friday, 30/09		
$8^{00} - 9^{00}$	breakfast	Page in book of abstracts
chair:	<i>T. Domański</i>	
$9^{00} - 9^{40}$	M. Maška: Nontrivial properties of fermions “anomaly” coupled to classical continuous degrees of freedom	61
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$10^{20} - 11^{00}$	TBA	
$11^{00} - 11^{30}$	coffee/tea	
$12^{30} - 14^{00}$	lunch / departure	
14^{00}	departure by bus: Zakopane	