

Tuesday, December 9 th 2014		Institute of Physics, <i>Bijenička 46, Zagreb</i>
8:50 – 9:00	WELCOME: Slobodan Milošević & Marc de Boissieu	
	Chair: Ante Bilušić	
9:00 – 9:40	Silke Paschen Thermoelectric clathrates: From phonons to correlations	
9:40 – 10:00	Petr Tomeš Thermoelectric properties of $\text{Ba}_8\text{Au}_{5.25}\text{Ge}_{40.3}\square_{0.45}$ type-I clathrates	
10:00 – 10:25	Pierre-François Lory Phonon propagation and thermal conductivity in the $\text{Ba}_8\text{Ge}_{40.3}\text{Au}_{5.25}$ clathrate and approximant-crystal $\text{o-Al}_3\text{Co}_4$	
10:25 – 10:50	Peter Gille Crystal growth of FeSb_2 and CoSb_3 by a modified Bridgman technique	
10:50 – 11:10	Damjan Pele Insights into charge stripe order in a co-doped cuprate superconductor from nonlinear response	
11:10 – 11:30	COFFEE BREAK	
	Chair: Janez Dolinšek	
11:30 – 11:55	Michael Feuerbacher High-entropy alloys: growth, microstructure and defects	
11:55 – 12:15	Primož Koželj $\text{Ta}_{34}\text{Nb}_{33}\text{Hf}_8\text{Zr}_{14}\text{Ti}_{11}$ – The First Observation of Superconductivity in High-Entropy Alloys	
12:15 – 12:35	Sheng Guo Eutectic High-Entropy Alloys	
12:35 – 14:30	LUNCH BREAK	Restaurant “ <i>Andrija Štampar</i> ” <i>Rockefellerova 4, 3rd floor, Zagreb</i>
	Chair: Neven Barišić	
14:30 – 15:10	Kazuhiko Deguchi Strongly correlated electrons in icosahedral Yb quasicrystals and approximants	
15:10 – 15:35	Stanislav Vrtnik Geometrically frustrated magnetism of spins on icosahedral clusters: The $\text{Gd}_3\text{Au}_{13}\text{Sn}_4$ quasicrystalline approximant	
15:35 – 15:55	Magdalena Wencka Kondo lattice – fluctuating valence transition in $\text{Ce}(\text{Cu}_{1-x}\text{Ni}_x)_4\text{Al}$ compounds	
15:55 – 16:20	Ivica Živković Complex Magnetic Order – the Skyrmion Lattice	
16:20 – 16:45	COFFEE BREAK	
	Chair: Yurii Prots	
16:45 – 17:10	László Forró Graphene: from synthesis to composites	
17:10 – 17:35	Marko Kralj “Chemical” and “mechanical” engineering of epitaxial graphene	
17:35 – 18:00	Antonio Šiber Many-Body Contact Repulsion of Soft Disks	
18:00 – 18:20	Anja Waske The 1st-order transition in magnetocaloric $\text{LaFe}_{11.8}\text{Si}_{1.2}$ probed by in-situ synchrotron XRD	
18:20 – 18:40	Bruno Weise Magnetic characterization and 3D-imaging of epoxy-bonded magnetocaloric composites	
18:40 – 19:30	DINNER	Institute of Physics, <i>Bijenička 46, Zagreb</i>
19:30 – 21:00	Poster session	Institute of Physics, <i>Bijenička 46, Zagreb</i>
	Chairs: Denis Stanić & Kristijan Velebit	