

UNIVERSITÉ
GRENOBLE
ALPES

European
C-MAC



***C-MAC Days 2015 Grenoble, France,
24-25 November***



Timetable	Monday 23th	Timetable	Tuesday 24th	Timetable	Wednesday 25th
		09:00	Introduction		Session 4
			Session 1	09:00	Girma H. Gebresenbut
		09:15	Joris Kadok	09:30	Stanislav Vrtnik
		09:45	Guillaume Beutier	09:50	Nicolas Macé
		10:05	Ireneusz Buganski	10:10	Janez Luznik
		10:25-11:00	Coffee Break	10:30-11:00	Coffee Break
			Session 2		Session 5
		11:00	Olivier Perez	11:00	Pierre Rodiere
		11:30	Marek Mihalkovic	11:30	David Geissler
		11:50	Piotr Wisniewski	11:50	Marc Heggen
		12:20-14:30	Lunch Break	12:10	Daniel Sopus
			Session 3	12:30-14:30	Lunch Break
		14:30	Jean-Louis Hodeau		Session 6
		15:00	Michael Baitinger	14:30	Abdullah Al-Mahboob
		15:20	Petr Tomes	15:00	Emilie Gaudry
		15:40	Pierre-François Lory	15:20	Mirtha Pillaca
		16:00-16:30	Coffee Break	15:40-16:15	Coffee Break
		16:30	Matej Bobnar		Session 7
		16:50	Marija Sorić	16:15	Magdalena Wiencka
18:00-19:00	Residence Marie-Curie Registration	17:10-19:30	Poster Session	16:45	Marian Krajci
19:00-21:00	Welcome Party			17:05	Mathias Meier
				17:40-18:00	Concluding Remarks
				19:30	Gala Dinner
Timetable	Thursday 26th				
09:00	CMAC Science Board and Governing Board				
12:00	(CMAC representative members only)				

Oral Sessions

Timetable	Tuesday 24th
09:00	Introduction
	Session 1
09:15	Joris Kadok
	<i>Al₃AuIr, a new compound in the Al-Au-Ir system</i>
09:45	Guillaume Beutier
	<i>Order-disorder transition in the approximants Cd₆R</i>
10:05	Ireneusz Buganski
	<i>The novel method of calculating corrections for phonons and phasons in quasicrystals</i>
10:25-11:00	Coffee Break
	Session 2
11:00	Olivier Perez
	<i>Structural modulations and solid state science</i>
11:30	Marek Mihalkovic
	<i>Atomic structure and chemical ordering of quasicrystal and approximants in Al-Au-Yb system from ab-initio and fitted oscillating potential total energies</i>
11:50	Piotr Wisniewski
	<i>Linear magnetoresistance, weak antilocalization and Shubnikov-de Haas oscillations in the putative topological superconductor LuPdBi and similar half-Heusler phases.</i>
12:20-14:30	Lunch Break
	Session 3
14:30	Jean-Louis Hodeau
	<i>Diffraction/Scattering Computed Tomography for 3D characterization of multi-phase polycrystalline and disordered materials</i>
15:00	Michael Baitinger
	<i>Crystal structures observed for the clathrate-I phase in the system Ba-Au-Ge</i>
15:20	Petr Tomes
	<i>Electronic and thermal anisotropy in single-crystalline Ba₈Au_{5.25}Ge_{40.3}[]_{0.45} type I clathrate</i>
15:40	Pierre-François Lory
	<i>The long-living heat carriers in a poor thermal crystalline conductor</i>
16:00-16:30	Coffee Break
16:30	Matej Bobnar
	<i>Crystal Structure Investigations of Ba-Al-Si Clathrate-I System</i>
16:50	Marija Sorić
	<i>Low temperature transport properties of single crystal SnSe thermoelectric</i>
17:10-19:30	Poster Session

Oral Sessions

Timetable	Wednesday 25th
	Session 4
09:00	Girma H. Gebresenbut <i>Tailoring magnetic behavior in the Tb-Au-Si quasicrystal approximant system</i>
09:30	Stanislav Vrtnik <i>Anisotropic Physical Properties of Monocrystalline $Cu_{84}Gd_9Ca_7$</i>
09:50	Nicolas Macé <i>Results for fractal dimensions of wavefunctions and spectral measures on the Fibonacci chain</i>
10:10	Janez Luznik <i>Complex magnetism of Ho-Dy-Y-Gd-Tb hexagonal high-entropy alloy</i>
10:30-11:00	Coffee Break
	Session 5
11:00	Pierre Rodiere <i>Charge density wave and lattice distortion in the transition metal dichalcogenides</i>
11:30	David Geissler <i>A study on different approaches, how to tailor amorphous-crystalline or crystalline-crystalline hybride structures within the $(Cu_{45}Zr_{45}Ag_{10})_{100-x}Fe_x$ system</i>
11:50	Marc Heggen <i>Five-fold dissociation of dislocations in the hexagonal complex metallic alloy my-ALMn</i>
12:10	Daniel Söpu <i>Mechanical properties of bulk metallic glass composites</i>
12:30-14:30	Lunch Break
	Session 6
14:30	Abdullah Al-Mahboob <i>Molecular assembly and 2D organic film growth on quasicrystalline surfaces</i>
15:00	Emilie Gaudry <i>Structure of the pseudo 10-fold surface of $Al_{13}Co_4$: first results from surface X-ray diffraction</i>
15:20	Mirtha Pillaca <i>Crystal growth of Sb-based thermoelectric materials by Inclined Rotary Bridgman method</i>
15:40-16:15	Coffee Break
	Session 7
16:15	Magdalena Wencka <i>Physical properties of the $GaPd_2$ intermetallic catalyst and the role of active-site-isolation concept for the catalytic selectivity</i>
16:45	Marian Krajci <i>Understanding the selectivity of methanol steam reforming on the (111) surfaces of NiZn, PdZn and PtZn: Insights from DFT</i>
17:05	Mathias Meier <i>Semi-hydrogenation of acetylene on Al_5Co_2 surfaces.</i>
17:40-18:00	Concluding Remarks
19:30	Gala Dinner