



PROGRAM

Tuesday, December 3, 2019

13:00 – 20:00	Registration
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Workshop on Topology, strongly correlated electronic systems and structurally complex structures

Seminar room 1+2

13:30 – 13:50	Workshop Welcome
13:50 – 14:00	Marc de Boissieu Introduction
14:00 – 14:30	Ryuji Tamura The Japanese Hypermaterials project
14:30 – 15:00	Piotr Wiśniewski Half-Heusler topological phases, likely high-multiplier, p-wave-pairing superconductors
15:00 – 15:30	Andreas Rydh The Swedish 'Functional Quasicrystal' project
15:30 – 16:00	Andy Mackenzie Physics catches up with chemistry: The layered delafossite metals
16:00 – 16:30	Coffee Break
16:30 – 17:15	Round table discussion

Workshop on Equality and diversity in Materials Science

Seminar room 5

14:00 – 16:00	Magdalena Wencka Managing my own scientific career
16:00 – 16:15	Coffee Break
16:15 – 17:45	Round table discussion on gender practices
17:45 – 18:00	Mentoring program - Intro
18:00 – 20:00	Welcome



Wednesday, December 4, 2019

Seminar room 1+2

Chairs: Juri Grin, Marc de Boissieu

09:00 – 10:00		Juri Grin, Andy Mackenzie Jean-Marie Dubois, Marc de Boissieu, Julian Ledieu, Emilie Gaudry <i>Welcome</i>
10:00 – 10:30	1-3	Ryuji Tamura <i>Magnetism of Tsai-type compounds</i>
10:30 – 10:45		<i>Coffee Break</i>

Chair: Marc de Boissieu

10:45 – 11:05	2-0	Marc de Boissieu <i>An-Pang Tsai and complex intermetallic phases: from quasicrystals to catalysis</i>
11:05 – 11:35	2-1	Emilie Gaudry <i>Non-wetting behavior of a few quasicrystalline approximants : Role of the electronic structure</i>
11:35 – 12:05	2-2	Andreas Rydh <i>Low temperature studies of magnetic RE-Au-Si (RE = Ho and Tb) quasicrystal approximants</i>
12:05 – 12:35	2-3	Girma Hailu Gebresenbut <i>Single crystal neutron diffraction and magnetic property studies of Tsai-type 1/1 quasicrystal approximants in the Ho-Au-Si and Tb-Au-Si systems</i>
12:40		<i>Group photo</i>
12:45 – 13:30		<i>Lunch</i>



Chair: Hem Raj Sharma

13:30 – 14:00	3-1	Roland Widmer <i>Molecular motor at the frontier of classical motion and quantum tunneling</i>
14:00 – 14:30	3-2	Gaku Eguchi <i>Pronounced transport anisotropy in the type-I clathrate $Ba_{7.8}Au_{5.33}Ge_{40.66}$</i>
14:30 – 15:00	3-3	Shelby Turner <i>Phonon Anharmonicity and Low Thermal Conductivity of the Type-I Clathrate, $Ba_{7.81}Ge_{40.67}Au_{5.33}$</i>
15:00 – 15:30		Coffee Break

Chair: Marc Armbrüster

15:30 – 16:00	4-1	Vincent Fournée <i>Interplay between the 3D cage network and 2D surfaces in intermetallic cage compounds</i>
16:00 – 16:20	4-2	Stefan Barth <i>Catalysis on $Ga_{1-x}Sn_xPd_2$ single crystals</i>
16:20 – 16:40	4-3	Kristian Bader <i>Single crystal growth of intermetallic solid solutions from the Ga-Pd-Sn system for basic research in heterogeneous catalysis</i>
16:40 – 17:00	4-4	Josipa Šćurla <i>Hysteresis and time evaluation of electrical resistivity of SU8 - graphene composites</i>

Chair: Juri Grin, Julian Ledieu

17:00 – 19:00		Poster Session
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Thursday, December 5, 2019

Seminar room 1+2

Chair: Emilie Gaudry

09:00 – 09:30	5-1	Julian Ledieu <i>High Entropy Alloy surfaces: an introduction with the FeCrCoMnNi system</i>
09:30 – 10:00	5-2	Stanislav Vrtnik <i>Magnetism of a FeCoCrMnAl high-entropy alloy</i>
10:00 – 10:30	5-3	Andreja Jelen <i>Correlative electron microscopy of nanostructured high-entropy alloys</i>
10:30 – 11:00		<i>Coffee Break</i>

Chair: Marek Mihalkovic

11:00 – 11:30	6-1	Darja Gačnik <i>Superconductivity in Ti–Zr–Hf–(Sn, Ni, Nb) HEAs</i>
11:30 – 12:00	6-2	Janusz Tobola <i>Interplay between electronic structure and crystal structure yielding efficient thermoelectric properties in $(\text{Cu-M})_{12}(\text{Sb-As})_4\text{S}_{13}$ tetrahedrites/tennantites</i>
12:00 – 12:30	6-3	Andreas Leithe-Jasper <i>From superconductivity to semiconducting properties: Physical properties evolution in complex platinum-beryllium compounds</i>
12:30 – 13:30		<i>Lunch</i>



Chair: Dariusz Kaczorowski

13:30 – 13:50	7-1	Anuradha Jagannathan <i>How disorder affects critical states in quasicrystals</i>
13:50 – 14:10	7-2	Grzegorz Chajewski <i>In the vicinity of type-II/I superconductivity: On the crystal growth of YPd_2Ge_2 and untypical features of its superconducting state</i>
14:10 – 14:30	7-3	Yuki Utsumi <i>Electronic structure of $Yb(Ni_{1-x}Co_x)_3Ga_9$ ($x=0, 0.1$) studied by angle-resolved photoelectron spectroscopy</i>
14:30 – 15:00	7-4	Monika Kušter <i>A characterization and structural refinement of a new ternary Laves phase in the Al-Cr-Sc system</i>
15:00 – 15:30		<i>Coffee Break</i>

Chair: Ryuji Tamura

15:30 – 16:00	8-1	Marek Mihalkovic <i>Low- and high-temperature stability of the compound $Al_{10}V$</i>
16:00 – 16:20	8-2	Peter Höhn <i>Lithium alkaline-earth metalide-nitrides – from simple to complex</i>
16:20 – 16:40	8-3	Dominique Dubaux <i>Epitaxial growth of the metastable Al_9Fe_2 intermetallic compound on Al(100) surface</i>
16:40 – 17:00	8-4	Raul Cardoso Gil <i>FeGa₃-Type intermetallic semiconductors: Simple but complex</i>
18:30		<i>Dinner</i>



Friday, December 6, 2019

Seminar room 1+2

<i>09:00 – 10:30</i>	Science Board Meeting
<i>10:30 – 10:45</i>	<i>Coffee Break</i>
<i>10:45 – 12:30</i>	Governing Board Meeting and General Assembly
<i>12:30 – 13:30</i>	<i>Lunch</i>