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**PROGRAM**

**Sunday, April 14, 2019**

**Cafeteria**

17:00 – 19:00	Registration
18:00 – 20:00	Welcome

**Monday, April 15, 2019**

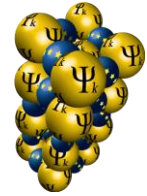
**Seminar room 1+2**

Chair: Steffen Wirth

08:55	Steffen Wirth Welcome
09:00 – 09:35	Dipankar Das Sarma, IISc Bengaluru, India <i>Electronic structure of the elusive metastable state in chemically exfoliated few layer MoS<sub>2</sub></i>
09:35 – 10:10	Mark Golden, University of Amsterdam, The Netherlands <i>ARPES investigations of Dirac materials</i>
10:10 – 10:45	Surjeet Singh, IISER Pune, India <i>Anomalous lattice contraction and emergent electronic phases in the Weyl candidate Eu<sub>2</sub>Ir<sub>2</sub>O<sub>7</sub> upon Bi-doping</i>
10:45 – 11:05	Coffee Break

Chair: Anjan K. Gupta

11:05 – 11:40	Atsushi Fujimori, University of Tokyo, Japan <i>Electronic nematic phases in Fe-based and cuprate superconductors</i>
11:40 – 12:15	Ralph Claessen, Universität Würzburg, Germany <i>Elemental topological insulators: The case of bismuthene</i>



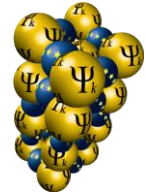
12:15 – 12:50	Biju R. Sekhar, IOP Bhubaneswar <i>Surface State Bands in a Weak Topological Insulator</i>
12:50 – 13:05	Rahul Varma, IISc Bengaluru, India <i>Electronic structure across the antiferromagnetic transition of NiO</i>
13:05	<i>Group photo</i>
13:15 – 14:00	<i>Lunch</i>

Chair: Surjeet Singh

14:00 – 14:35	Anjan K. Gupta, IIT Kanpur, India <i>Gate field dependence of interface defects and electronic inhomogeneity in graphene on SiO<sub>2</sub></i>
14:35 – 15:10	Tanusri Saha-Dasgupta, IACS Kolkata, India <i>ABO<sub>3</sub> perovskites with Active A-sites</i>
15:10 – 15:45	Roser Valenti, Goethe-Universität Frankfurt/M., Germany <i>Anomalous nematicity, exotic magnetism and superelasticity in Fe-based superconductors</i>
15:45 – 16:05	<i>Coffee Break</i>

Chair: Silke Biermann

16:05 – 16:40	Maurits Haverkort, Universität Heidelberg, Germany <i>Core level spectroscopy, from ligand field theory to DMFT</i>
16:40 – 17:15	Steffen Backes, Ecole Polytechnique, Palaiseau, France <i>Diagnostics for plasmon satellites and Hubbard bands in transition metal oxides</i>
17:15 – 17:50	Jörg Fink, IFW Dresden, Germany <i>From Fermi liquids to marginal Fermi liquids and beyond the Planckian limit – electron scattering rates in solids from ARPES</i>
17:50 – 18:05	Ram P. Pandeya, TIFR Mumbai, India <i>Surface-Bulk Electronic Study of CaFe<sub>2</sub>As<sub>2</sub> Using HAXPES</i>
18:20	<i>Dinner</i>



**Tuesday, April 16, 2019**

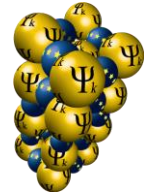
**Seminar room 1+2**

Chair: Maurits Haverkort

09:00 – 09:35	Philip Hofmann, Aarhus University, Denmark <i>Electronic structure and electron dynamics in two-dimensional materials</i>
09:35 – 10:10	Priya Mahadevan, SNBCBS Kolkata, India <i>Engineering spin-valley physics in bilayers of transition metal dichalcogenides</i>
10:10 – 10:45	Ranjit Thapa, SRM University of Chennai, India <i>Role of van der Waals interaction to enhance the photon absorption capability of MoS<sub>2</sub>/2D heterostructures</i>
10:45 – 11:05	<i>Coffee Break</i>

Chair: Dipankar Das Sarma

11:05 – 11:40	Martin Wenderoth, Universität Göttingen, Germany <i>Experimental evidence of a wide band gap 3D topological insulator</i>
11:40 – 12:15	Pratap Raychaudhuri, TIFR Mumbai, India <i>Observation of hexatic vortex fluid in a thin superconducting film</i>
12:15 – 12:50	Sahana Rößler, MPI CPfS Dresden, Germany <i>Surface states in EuB<sub>6</sub> and SmB<sub>6</sub></i>
12:50 – 13:05	Indranil Roy, TIFR Mumbai, India <i>Existence of quantum vortex fluid in a very weakly pinned <i>a</i>-MoGe thin film</i>
13:05 – 14:00	<i>Lunch</i>

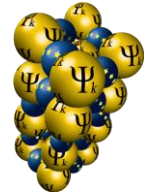


Chair: Ralph Claessen

14:00 – 14:35	Denis Vyalikh, DIPC San Sebastian, Spain <i>Photoemission insight into strongly-correlated electrons and magnetism in 4f-systems</i>
14:35 – 15:10	Thirupathiah Setti, SNBCBS Kolkata, India <i>ARPES studies of Weyl and Dirac semimetals</i>
15:10 – 15:45	Sergey Borisenko, IFW Dresden, Germany <i>Nematicity in iron-based superconductors from ARPES</i>
15:45 – 16:05	<i>Coffee Break</i>

Chair: Jörg Fink

16:05 – 16:40	Konrad Matho, ILL Grenoble, France <i>New insights in the periodic Anderson model in relation to ARPES on heavy fermion compounds</i>
16:40 – 17:15	Sudhir K. Pandey, IIT Mandi, India <i>Benchmarking the calculated values of U and J from cRPA for 3d transition metals</i>
17:15 – 17:50	Fakher Assaad, Universität Würzburg, Germany <i>Kondo nano-structures and lattices</i>
17:50 – 18:05	Anita Halder, SNBCBS Kolkata, India <i>Magnetism in cation-disordered 3d-4d/5d double perovskites</i>
18:20	<i>Dinner</i>



**Wednesday, April 17, 2019**

**Seminar room 1+2**

Chair: Atsushi Fujimori

09:00 – 09:35	Takashi Mizokawa, Waseda University, Japan <i>Domain-dependent electronic structure of layered transition-metal compounds probed by photoemission spectromicroscopy</i>
09:35 – 10:10	Clemens Laubschat, TU Dresden, Germany <i>Temperature and surface effects of the electronic structure of rare-earth transition-metal disilicides with non-integer 4f occupancy</i>
10:10 – 10:45	Anup P. Sakhya, TIFR Mumbai, India <i>Fermi surface in bulk <math>\text{SmB}_6</math> from electronic structure calculations</i>
10:45 – 11:05	<i>Coffee Break</i>

Chair: Kalobaran Maiti

11:05 – 11:40	Ravi S. Singh, IISER Bhopal, India <i>Electron correlation, disorder and pseudogap in transition metal oxides</i>
11:40 – 12:15	Benjamin Lenz, Ecole Polytechnique, Palaiseau, France <i>New insights into spectral properties of doped <math>\text{Sr}_2\text{IrO}_4</math></i>
12:15 – 12:50	Tanmoy Das, IISc Bengaluru, India <i>A New Pairing Mechanism in the Market</i>
12:50 – 13:05	Sujay Ray, IISc Bengaluru, India <i>Role of momentum-dependent self-energies in strange metals and bad insulators with coherent Fermi surface</i>
13:05 – 13:15	<i>Closing</i>
13:15 – 14:15	<i>Lunch</i>