

## List of talks

**Shingo Araki, RIIS Okayama**

*Antiferromagnetic quantum criticality and pressure induced superconductivity in CeRh<sub>2</sub>Si<sub>2</sub>*

**Antonio Bianconi, RICMASS Roma**

*Filamentary superconductors tuned at electronic topological transitions: BPV theory and hyperbolic geometry*

**Lilia Boeri, Sapienza Roma**

*“Squeezing” superconductors: surprises at high pressures.*

**E. Del Re, Sapienza Roma**

*Giant response and anomalous electrical and thermal conductivity in nanodisordered perovskite K<sub>1-x</sub>Li<sub>x</sub>Ta<sub>1-y</sub>Nb<sub>y</sub>O<sub>3</sub> crystals*

**Daniele Di Castro, Università Tor Vergata, Roma**

*High T<sub>c</sub> superconductivity in interacting quasi 2d sheets at oxide interfaces*

**Ritsuko Eguchi, RIIS Okayama**

*Conductivity and superconductivity at LaAlO<sub>3</sub>/Ca-doped SrTiO<sub>3</sub> interfaces*

**S. Gariglio, University of Geneva**

*Superconducting properties of LaAlO<sub>3</sub>/SrTiO<sub>3</sub> interfaces in magnetic fields*

**Hidenori Goto, RIIS Okayama**

*Doping and gating methods to produce an electric field in bilayer graphene*

**M. Grilli, Sapienza Roma**

*Robust dynamical charge density waves in (Bi,Pb)<sub>2.12</sub>Sr<sub>1.88</sub>CuO<sub>6+δ</sub>*

**Jun Kano, RIIS Okayama**

*Band bending structure induced by ferroelectric polarization*

**Takuro Katsufuji, Waseda, Tokyo**

*Orbital degrees of freedom and thermal properties for various titanates and vanadates*

**Kaya Kobayashi, RIIS Okayama**

*Band tuning via synthesis method-layered iridates and NaCl-type chalcogenides-*

**T. C. Kobayashi, RIIS Okayama**

*Superconductivity in Cd<sub>2</sub>Re<sub>2</sub>O<sub>7</sub> under high pressure*

**Yoshihiro Kubozono, RIIS Okayama**

*Superconductors prepared from two-dimensional layered materials: metal-doping and pressure-application*

**K. Kudo, RIIS Okayama**

*Atomic imaging around Pr and Ca atoms in Ca<sub>1-x</sub>Pr<sub>x</sub>Fe<sub>2</sub>As<sub>2</sub> by x-ray fluorescence holography*

**C. H. Lee, AIST Tsukuba**

*Development of thermoelectric materials using rattling and lone pairs*

**José Lorenzana, ISC-CNR Roma**

*Soft-matter like thermodynamic phases in underdoped cuprates.*

**Francesco Mauri, Sapienza Roma**

*Anharmonic phonons and second-order phase-transitions*

**Takashi Mizokawa, Waseda, Tokyo**

*Photoemission study of transition-metal compounds with various spin-charge-orbital instabilities*

**Yoshikazu Mizuguchi, TMU Hachioji Tokyo**

*Thermoelectric properties on BiS<sub>2</sub>-based systems*

**Minoru Nohara, RIIS Okayama**

*Arsenic Chemistry of Iron-based Superconductors and Strategy for New Materials*

**Tetsuji Okuda, Kagoshima and JST Tokyo**

*Oxide thermoelectric materials having spin/orbital correlations*

**Eugenio Paris, PSI-SLS, Villigen**

*Strain manipulation of the  $J_{\text{eff}} = 1/2$  state of Sr<sub>2</sub>IrO<sub>4</sub>*

**Roman Puzniak, Warsaw**

*Superconductivity and phase separation in superconducting chalcogenides and pnictides*

**N.L. Saini, Sapienza Roma**

*Phase transition, local structure and superconductivity in Ir<sub>1-x</sub>Pt<sub>x</sub>Te<sub>2</sub>*

**Laura Simonelli, ALBA Barcellona**

*Local structure studied on chalcogenides with molecular intercalation*

**Yoshihiko Takano, NIMS Tsukuba**

*Tuning of Thermoelectric Properties in single crystal SnSe*

**Kensei Terashima, RIIS Okayama**

*ARPES study on lightly-electron doped Sr<sub>2</sub>IrO<sub>4</sub>*

**Kazunori Ueno, TokyoU and JST Tokyo**

*Metal-insulator transition of correlated electron system in two dimension : electric field-effect, ultra-thin and superlattice*

**Takanori Wakita, RIIS Okayama**

*Combined study of XAFS and PES for novel superconductors: local structure and electronic states of CsBi<sub>4-x</sub>Pb<sub>x</sub>Te<sub>6</sub> and CeO<sub>1-x</sub>F<sub>x</sub>BiS<sub>2</sub>*

**Wei Xu BSRF, Institute of High Energy Physi, Beijing**

*Local structural and lattice dynamics of quaternary thermoelectrics*