

Program overview

Time	Oct. 6 (Sun)	Oct. 7 (Mon)	Oct. 8 (Tue)	Oct. 9 (Wed)	Oct. 10 (Thu)	Oct. 11 (Fri)
09:00-09:30		Registration				
		Opening	Registration	Registration	Registration	
		Session 1	Session 5	Session 9	Session 13	
09:30-11:00		P-1: Peter Fischer 9:30-10:20	P-2: Dietrich Zahn 9:30-10:20	P-3: Jin Feng Jia 9:30-10:20	P-4: Gerrit van der Laan 9:30-10:20	
		I-01: Sontian Li 10:20-11:00	I-07: Takao Mori 10:20-11:00	I-12: Koichiro Ienaga 10:20-11:00	I-18: Yoshio Miura 10:20-11:00	
11:00-11:30		Coffee Break 11:00-11:30	Coffee Break 11:00-11:30	Coffee Break 11:00-11:30	Coffee Break 11:00-11:30	
		Session 2	Session 6	Session 10	Session 14	
11:30-13:00		I-02: Giacomo Sala 11:30-12:10	I-08: Federico Mazzola 11:30-12:10	I-13: Yousoo Kim 11:30-12:10	I-19: Koichiro Yaji 11:30-12:10	
		I-03: Christoph Klewe 12:10-12:50	O-04: Teng Ma O-05: Kenichi Ozawa	I-14: Fabio Donati 12:10-12:50	O-11: Munisa Nurmamat I-20: Yuya Sakuraba 12:30-13:10	
		O-01: Kazuki Goto	O-06: Rio Konno			
13:00-14:30	Lunch 13:10-14:30	Lunch 13:10-14:30	12:50-14:30 Conference photo & Lunch	Lunch 13:10-14:30		
	Session 3	Session 7	Session 11	Session 15		
14:30-16:00	I-04: Mitsuhiro Okuda 14:30-15:10	I-09: Kai Chen 14:30-15:10	I-15: Shawn David Pollard 14:30-15:10	I-21: Hendrik Ohldag 14:30-15:10		
	I-05: Ryugo Tero 15:10-15:50	I-10: Hiroaki Matsui 15:10-15:50	I-16: Nobuaki Kikuchi 15:10-15:50	I-22: Masaki Kobayashi 15:10-15:50		
	O-02: Andrew Evans	O-07: Ørjan Handegård	O-09: Toshio Miyamachi	O-12: Jun Okabayashi		
16:00-18:00	Registration (1F: Citizen Gallery)	Coffee Break 16:10-16:40	Coffee Break 16:10-16:40	Coffee Break 16:10-16:40	Closing	
		Session 4	Session 8	Session 12		
		I-06: Christian Lotze 16:40-17:20	I-11: Hideaki Iwasawa 16:40-17:20	I-17: Masahiro Sato 16:40-17:20		
		O-03: Teresa I. Madeira	O-08: Arata Tanaka	O-10: Souliman El Moussaoui		
18:00-20:00	Welcome party (Hiroshima City Bunka Koryu Kaikan)	Poster Session (1F: Citizen Gallery) 17:40-19:30 with beverages & snacks	Poster Session (1F: Citizen Gallery) 17:40-19:30 with beverages & snacks	Poster Session (1F: Citizen Gallery) 17:40-19:30 with beverages & snacks	Banquet (ANA Crowne Plaza) 19:00-21:00	

Excursion
to
Miyajima
Itsukushima-shrine

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6 October (Sunday)

16:00-18:00	Registration	1F : Citizen Gallery
18:00-20:00	Welcome Reception	Hiroshima City Bunka Koryu Kaikan

7 October (Monday)

Opening session (2F: Mutipurpose studio)

09:15-09:30		Akio Kimura (<i>Hiroshima University, Japan</i>)
		Opening address

Session 1 (2F: Mutipurpose studio)

Time		Presenter (<i>Affiliation, Country</i>)
		Title
09:30-10:20	P - 1	Peter Fischer (<i>Lawrence Berkeley National Laboratory, USA</i>)
		Magnetic x-ray spectromicroscopy of non-trivial spin textures
10:20-11:00	I - 01	Songtian Li (<i>National Institutes for Quantum and Radiological Science and Technology</i>)
		Synthesis and depth-resolved XMCD spectroscopic investigation of a novel graphene-Heusler alloy heterostructure

11:00-11:30 Coffee break (1F : Citizen Gallery)

Session 2 (2F: Mutipurpose studio)

11:30-12:10	I - 02	Giacomo Sala (<i>ETH Zürich, Switzerland</i>)
		Current-induced dynamics in spintronic devices probed by scanning transmission x-ray microscopy
12:10-12:50	I - 03	Christoph Klewe (<i>Lawrence Berkeley National Laboratory, USA</i>)
		AC spin current transmission through antiferromagnetic CoO probed by XFMR
12:50-13:10	O - 01	Kazuki Goto (<i>University of Tsukuba & NIMS, Japan</i>)
		The atomic ordering dependence of valence electronic structure in half-metallic $\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Heusler alloy observed by hard X-ray photoemission spectroscopy

13:10-14:30 Lunch (Hiroshima City Bunka Koryu Kaikan)

Session 3 (2F: Mutipurpose studio)

14:30-15:10	I - 04	Mitsuhiro Okuda (<i>CIC nanoGUNE, Spain</i>) Bottom-up nanofabrication based on bimolecular functions and structures
15:10-15:50	I - 05	Ryugo Tero (<i>Toyohashi University of Technology, Japan</i>) Reconstructing membrane proteins to artificial cell membrane systems on solid substrates
15:50-16:10	O - 02	Andrew Evans (<i>Aberystwyth University, United Kingdom</i>) Fabrication of epitaxial 2-d graphene and boron nitride using catalysed growth on lattice-matched substrates

16:10-16:40 Coffee break (1F : Citizen Gallery)

Session 4 (2F: Mutipurpose studio)

16:40-17:20	I - 06	Christian Lotze (<i>Free University Berlin, Germany</i>) Molybdenum Disulfide on Au(111) – growth, electronic structure and outstanding playground for single molecule spectroscopy
17:20-17:40	O - 03	Teresa I. Madeira (<i>Chemnitz University of Technology, Germany</i>) Comprehensive study of the growth of TiO ₂ thin films via 3 deposition methods, employing optical spectroscopies

17:40-19:30 Poster session (1F : Citizen Gallery)

8 October (Tuesday)

Session 5 (2F: Mutipurpose studio)

09:30-10:20	P-2	Dietrich R. T. Zahn (<i>Chemnitz University of Technology, Germany</i>)
		Thin Films of Ternary and Quaternary Quantum Dots for Energy Harvesting Applications
10:20-11:00	I-01	Takao Mori (<i>National Institute for Materials Science, Japan</i>)
		Magnetic semiconductor thermoelectric thin films and high thermoelectric performance

11:00-11:30 Coffee break (1F : Citizen Gallery)

Session 6 (2F: Mutipurpose studio)

11:30-12:10	I - 08	Federico Mazzola (<i>University of St. Andrews, United Kingdom</i>)
		Electronic structure of the polar surfaces of the delafossite oxides: from massive Rashba spin-splittings to itinerant surface ferromagnetism
12:10-12:30	O - 04	Teng Ma (<i>Tohoku University, Japan</i>)
		New geometry for thin-film perovskite photovoltaics
12:30-12:50	O - 05	Kenichi Ozawa (<i>Tokyo Institute of Technology, Japan</i>)
		Carrier Dynamics in Two-layer Organic Solar Cell Probed by Time-resolved XPS
12:50-13:10	O - 06	Rio Konno (<i>Tohoku University, Japan</i>)
		Artificially designed compositionally-grade Sr-doped NaTaO ₃ thin films

13:10-14:30 Lunch (Hiroshima City Bunka Koryu Kaikan)

Session 7 (2F: Mutipurpose studio)

14:30-15:10	I - 09	Kai Chen (<i>Jinan University, China</i>)
		Transparent conductive oxide materials for infrared plasmonic applications
15:10-15:50	I - 10	Hiroaki Matsui (<i>The University of Tokyo, Japan</i>)
		Surface plasmons on transparent oxide semiconductors for infrared applications
15:50-16:10	O - 07	Ørjan S. Handegård (<i>Hokkaido University, Japan</i>)
		Optical Phase Change in Bismuth Droplets: SERS Effect Induced by Laser Flash Heating

16:10-16:40 Coffee break (1F : Citizen Gallery)

Session 8 (2F: Mutipurpose studio)

16:40-17:20	I - 11	Hideaki Iwasawa (<i>Hiroshima University, Japan</i>)
		Spatially-resolved Photoemission Spectroscopy of Surface Inhomogeneous Cuprate Systems
17:20-17:40	O - 08	Arata Tanaka (<i>Hiroshima University, Japan</i>)
		Fermi arcs in cuprate superconductors studied by the dual fermion approximation

17:40-19:30 Poster session (1F : Citizen Gallery)

9 October (Wednesday)

Session 9 (2F: Mutipurpose studio)

09:30-10:20	P - 3	Jinfeng Jia (<i>Shanghai Jiao Tong University, China</i>)
		Majorana zero mode in the vortex of topological insulator Bi ₂ Te ₃ thin film grown on NbSe ₂
10:20-11:00	I - 12	Koichiro Ienaga (<i>Tokyo Institute of Technology, Japan</i>)
		Thermoelectric study of superconductor-metal-insulator transition in amorphous thin films

11:00-11:30 Coffee break (1F : Citizen Gallery)

Session 10 (2F: Mutipurpose studio)

11:30-12:10	I - 13	Yousoo Kim (<i>RIKEN, Japan</i>)
		Single-molecule optical spectroscopy with a photon STM
12:10-12:50	I - 14	Fabio Donati (<i>Institutes of Basic Science, South-Korea</i>)
		Probing the magnetism of single atoms with orbital sensitivity

12:50-14:30 Conference photo & Lunch (Hiroshima City Bunka Koryu Kaikan)

Session 11 (2F: Mutipurpose studio)

14:30-15:10	I - 15	Shawn Pollard (<i>National University of Singapore, Singapore</i>)
		Creation and current driven switching of topological spin textures in ferromagnetic heterostructures
15:10-15:50	I - 16	Nobuaki Kikuchi (<i>Tohoku University, Japan</i>)
		Transient magnetization dynamics of a Co/Pt multilayer dot probed by XMCD
15:50-16:10	O - 09	Toshio Miyamachi (<i>The University of Tokyo, Japan</i>)
		Magnetic anisotropy of L1 ₀ -FeNi fabricated by N-surfactant epitaxy

16:10-16:40 Coffee break (1F : Citizen Gallery)

Session 12 (2F: Mutipurpose studio)

16:40-17:20	I - 17	Masahiro Sato (<i>Ibaraki University, Japan</i>)
		Theoretical Proposals for Optical Control of Spin Textures and Spin Current
17:20-17:40	O - 10	Souliman El Moussaoui (<i>The University of Tokyo, Japan</i>)
		Element-selectively tracking ultrafast magnetic phenomena at SACLA

17:40-19:30 Poster session (1F : Citizen Gallery)

10 October (Thursday)

Session 13 (2F: Mutipurpose studio)

09:30-10:20	P - 4	Gerrit van der Laan (<i>Diamond Light Source, United Kingdom</i>)
		Depth profiling of 3D skyrmion lattice twisting in chiral magnets using resonant elastic soft x-ray scattering
10:20-11:00	I - 18	Yoshio Miura (<i>National Institute for Materials Science, Japan</i>)
		A first-principles study on magneto-crystalline anisotropy and magnetic damping of Fe/MgO(001) interface

11:00-11:30 Coffee break (1F : Citizen Gallery)

Session 14 (2F: Mutipurpose studio)

11:30-12:10	I - 19	Koichiro Yaji (<i>The University of Tokyo, Japan</i>)
		Spin-resolved photoemission spectroscopy of spin-orbit coupled surface states
12:10-12:30	O - 11	Munisa Nurmamat (<i>Hiroshima University, Japan</i>)
		Direct evidence of the type-II bulk Dirac cone in transition metal dichalcogenides
12:30-13:10	I - 20	Yuya Sakuraba (<i>National Institute for Materials Science, Japan</i>)
		Anomalous Nernst effect in Co-based Heusler alloys

13:10-14:30 Lunch (1F : Citizen Gallery)

Session 15 (2F: Mutipurpose studio)

14:30-15:10	I - 21	Hendrik Ohldag (<i>Lawrence Berkeley National Laboratory, USA</i>)
		Revealing Surprises using X-ray Microscopy on Short Time and Length Scales
15:10-15:50	I - 22	Masaki Kobayashi (<i>The University of Tokyo, Japan</i>)
		Unveiling Origin of the Ferromagnetism in Ferromagnetic Semiconductors
15:50-16:10	O - 12	Jun Okabayashi (<i>The University of Tokyo, Japan</i>)
		Demonstration of orbital elastic effect using electric-field-induced x-ray magnetic circular dichroism

Closing session (2F: Mutipurpose studio)

16:10-16:30		Akio Kimura (<i>Hiroshima University, Japan</i>)
		Closing remark

Poster session (1F : Citizen Gallery)
7 - 9 October, 16:40-17:30

PP - 01	Andrew Evans (<i>Aberystwyth University, United Kingdom</i>)
	In-situ surface processing of diamond and nanodiamond surfaces at near-ambient pressures
PP - 02	Shota Nogawa (<i>University of Miyazaki, Japan</i>)
	Inhomogeneous distribution of misfit dislocations in metamorphic InGaAs solar cells
PP - 03	Tatsuya Mayumi (<i>Hiroshima University, Japan</i>)
	Development of a Soft X-ray Reflectometer in a Low Vacuum Environment for Magnetic Films
PP - 04	HaiDang Ngo (<i>Hokkaido University, Japan</i>)
	Nanoantenna structure with mid-infrared plasmonic niobium-doped titanium dioxide
PP - 05	Manpreet Kaur (<i>National Institute for Materials Science, Japan</i>)
	Highly Efficient Water Desalination Based on Photoexcited TiN Nanoheaters
PP - 06	Xiaoxiao Wang (<i>Hiroshima University, Japan</i>)
	Spin-orbit coupling effect on bulk and surface states of the Dirac nodal line semimetal $\text{Hf}_{1-x}\text{Zr}_x\text{SiS}$
PP - 07	Mario Novak (<i>University of Zagreb, Croatia</i>)
	Unusual temperature dependence of quantum oscillations in BiSbTe ₂ S topological insulator
PP - 08	Takuma Hattori (<i>The University of Tokyo, Japan</i>)
	Physical properties of Fe ₂ N monolayers tuned by Cu substrates
PP - 09	Xueyao Hou (<i>Hiroshima University, Japan</i>)
	Biaxial Strain and Electric Effects at BaTiO ₃ /Fe ₃ O ₄ Heterointerface
PP - 10	Hisaaki Ito (<i>Tokyo University of Science, Japan</i>)
	Study of fabrication method of L1 ₀ -FeCo
PP - 11	Akihiro Koide (<i>National Institutes for Quantum and Radiological Science and Technology, Japan</i>)
	Estimation of spin magnetic moment from x-ray magnetic circularly polarized emission
PP - 12	Takashi Kono (<i>Hiroshima University, Japan</i>)
	Element-specific density of states of Co ₂ MnGe revealed by resonant photoelectron spectroscopy
PP - 13	Naoyuki Maejima (<i>Rikkyo University, Japan</i>)
	Electronic structure analysis of Ni _x P films on Fe ₂ P(10-10)
PP - 14	Toshio Miyamachi (<i>The University of Tokyo, Japan</i>)
	Atomic scale surface and interface magnetism of Mn/Fe thin film heterostructures

PP - 15	Takuya Miyashita (<i>Tokyo University of Science, Japan</i>)
	Fabrication FeNi thin films on Al ₂ O ₃ (0001)
PP - 16	Yuka Ohashi (<i>Hiroshima University, Japan</i>)
	Magnetic Moments and Its Adsorbate-induced Modification of h-BN/Co/Ni(111)
PP - 17	Jun Okabayashi (<i>The University of Tokyo, Japan</i>)
	Classification of <i>d-d</i> and <i>p-d</i> spin-orbit interfaces
PP - 18	Jun Okabayashi (<i>The University of Tokyo, Japan</i>)
	Interfacial quadrupoles at Fe/MgO interfaces detected by XMLD
PP - 19	Hiroshige Onoda (<i>University of Tsukuba, Japan</i>)
	Tuning magnetic anisotropy in Co-ferrite thin films by lattice distortion
PP - 20	Yuki Takahashi (<i>Tokyo University of Science, Japan</i>)
	Toward fabrication of L1 ₀ -FeCo thin films using the nitrogen surfactant effect
PP - 21	Tomoki Yoshikawa (<i>Hiroshima University, Japan</i>)
	Unveiling spin-dependent unoccupied electronic states of Co ₂ MnGe (Ga) film
PP - 22	Indra Pardede (<i>Kanazawa University, Japan</i>)
	Magnetic Anisotropy in Antiferromagnet: First Principles Calculation