SCES 2019 Program Time Table

	23 Mon	24 Tue	25 Wed	26 Thur	27 Fri	28 Sat
8:30		Opening & Prize Ceremony #	Xingjiang Zhou	Christoph Geibel	Yuji Matsuda	Liang Fu
9:00						
9:30		Dieter Vollhardt	Louis Taillefer	Yoshinori Tokura	Collin L. Broholm	Coffee Break
10:00		Coffee Break	Coffee Break	Coffee Break	Coffee Break	
10:30		SC in ferromagnet / Multipolar/ fluctuations / M-I transition / Non-equilibrium- I	Q-magnetism/ frustration I / Singular charge/ dynamics / Sr_2RuO_4 / Spin-orbit coupled	Iron-based SC I / Q-magnetism/ frustration II / Quantum criticality / $ Theory I	UTe_2 / Q-magnetism/ frustration III / SC in the absence TP / Magnetic Weyl/Dirac	Topological SCs / Iron-based Scs II / Ferroelectricity / Novel techniques
11:00						
11:30						
12:00						Summary Talk Closing (Next SCES LT29 etc)
12:30		Lunch Break	Lunch Break	Lunch Break	Lunch Break	
13:00						
13:30						
14:00				Topological materials / Noncollinear antiferro / Twisted graphene / New materials		
14:30		Topological metals / Kitaev magnets / Recent cerium SCs / Cuprates I	QCP / URu_2Si_2 / M/SC materials / Non-equilibrium II		Cuprates II / ME/skyrmions / Theory II / % Optical lattice/ ultracold Fermi gas	IYPT Special Talk Kohei Tamao (in Japanese)
15:00						
15:30						
16:00	Registration					
16:30		Poster Tu	Poster We	Poster Th	Poster Fr	
17:00						
17:30						
18:00	Welcome Reception					
18:30						
19:00				Banquet @Hotel Granvia Okayama Ticket holder only		
19:30						
20:00						
20:30						
21:00						

The Bernard Coqblin Prize Talk
$ The Nevill F. Mott Prize Talk
% The Bryan R. Coles Prize Talk

CONFERENCE VENUE

Okayama Convention Center
14-1 Ekimoto-machi, Kita-ku, Okayama 700-0024, Japan
http://www.mamakari.net/en/

CONFERENCE DATES

Monday, 23rd September through Saturday, 28th September, 2019

CONFERENCE WEB SITE

http://sces2019.org/program.html

CONFERENCE SECRETARIAT

c/o Japan Convention Services, Inc.
14F, Daido Seimei Kasumigaseki Bldg. 1-4-2,
Kasumigaseki, Chiyoda-ku 100-0013 Tokyo, JAPAN
E-mail: info@sces2019.org

REGISTRATION DESK

The registration desk will be located on the 2nd Floor of the Okayama Convention Center on Monday, 23rd, and on the 3rd Floor from Tuesday, 24th to Saturday, 28th.

Opening hours and the location of the Registration Desk:

Monday, 23rd Sep.	16:00 – 20:00	2F Lobby
Tuesday, 24th Sep.	7:30 – 19:00	3F Foyer
Wednesday, 25th Sep.	8:00 – 19:00	3F Foyer
Thursday, 26th Sep.	8:00 – 18:30	3F Foyer
Friday, 27th Sep.	8:00 – 17:00	3F Foyer
Saturday, 28th Sep.	8:00 – 13:00	3F Foyer

BAGES

Participants and Accompanying Persons will receive a name badge upon registration. Everyone is kindly requested to wear this name badge everywhere within the conference area. Only participants who are wearing their name badges will be admitted to the lecture halls.

What is covered by the fee?

Regular/Student/Retired registration fee include:

- ·Conference materials (including the badge, copy of the program booklet, conference pen, conference notebook, and conference bag)
- ·Admission to the technical sessions
- ·Admission to the exhibition area
- ·Welcome Reception on 23rd, September
- ·Refreshments during the Conference

Accompanying Person registration fee include:

- ·Conference badge, pen, notebook, and bag
- ·Admission to the exhibition area
- ·Welcome Reception on 23rd, September
- ·Refreshments during the Conference

TECHNICAL SESSIONS

The five-day scientific program starts on Tuesday, 24th September at 8:30 with the Opening Session and ends with the Closing Session on Saturday, 28th September at 13:00.
The International Program Committee has composed the scientific program of 8 plenary talks, 36 parallel sessions with invited and contributed talks as well as of 4 poster sessions.

The Opening and Plenary Sessions in Convention Hall (3F) will be relayed live to Room 302 (3F) and Foyer (3F).

ORAL PRESENTATIONS

Bring your own device for the oral presentations. The Conference prepares NO PC. Both VGA and HDMI cables are available. Bring your own adapter if necessary. Please confirm whether it will be connected before the session starts. The length of the oral presentations is indicated in the program. Five minutes of the allocated time is to be left by the speaker for discussion.

POSTERS

The poster session will be organized on Tuesday, Wednesday, Thursday, and Friday at Exhibition Hall (E), 2F Lobby (L), and Atrium (A) on the 2nd floor. The ID of the poster consists of Day (Tu/We/Th/Fi)–Place (E/L/A) –number. The surface area available is **120 cm (47 inches) wide by 195 cm (76 inches) high.** The Conference provides a small sign designating the ID of the poster on each board and a small number of push pins for displaying the poster on the board. **The authors can setup posters after 12:00 on Tuesday and after 8:00 on Wednesday, Thursday, and Friday; and have to remove them before 19:00.**

POSTER AWARDS

Awards are given to the top presentations in each day and category for students and young researchers. The Award Ceremonies are held after Plenary Sessions.

PROCEEDINGS

Proceedings papers will be published in a volume of an open-access journal, "JPS Conference Proceedings".

LANGUAGE

The official language of the conference is English. Simultaneous interpretation is not provided.

SOCIAL PROGRAM

Welcome Reception
Date: Monday, 23rd September
Time: 18:00–20:00
Place: Event Hall East (1F) on the 1st Floor of Okayama Convention Center
Admission: Free for all registered participants and accompanying persons
Drink and snack will be served.

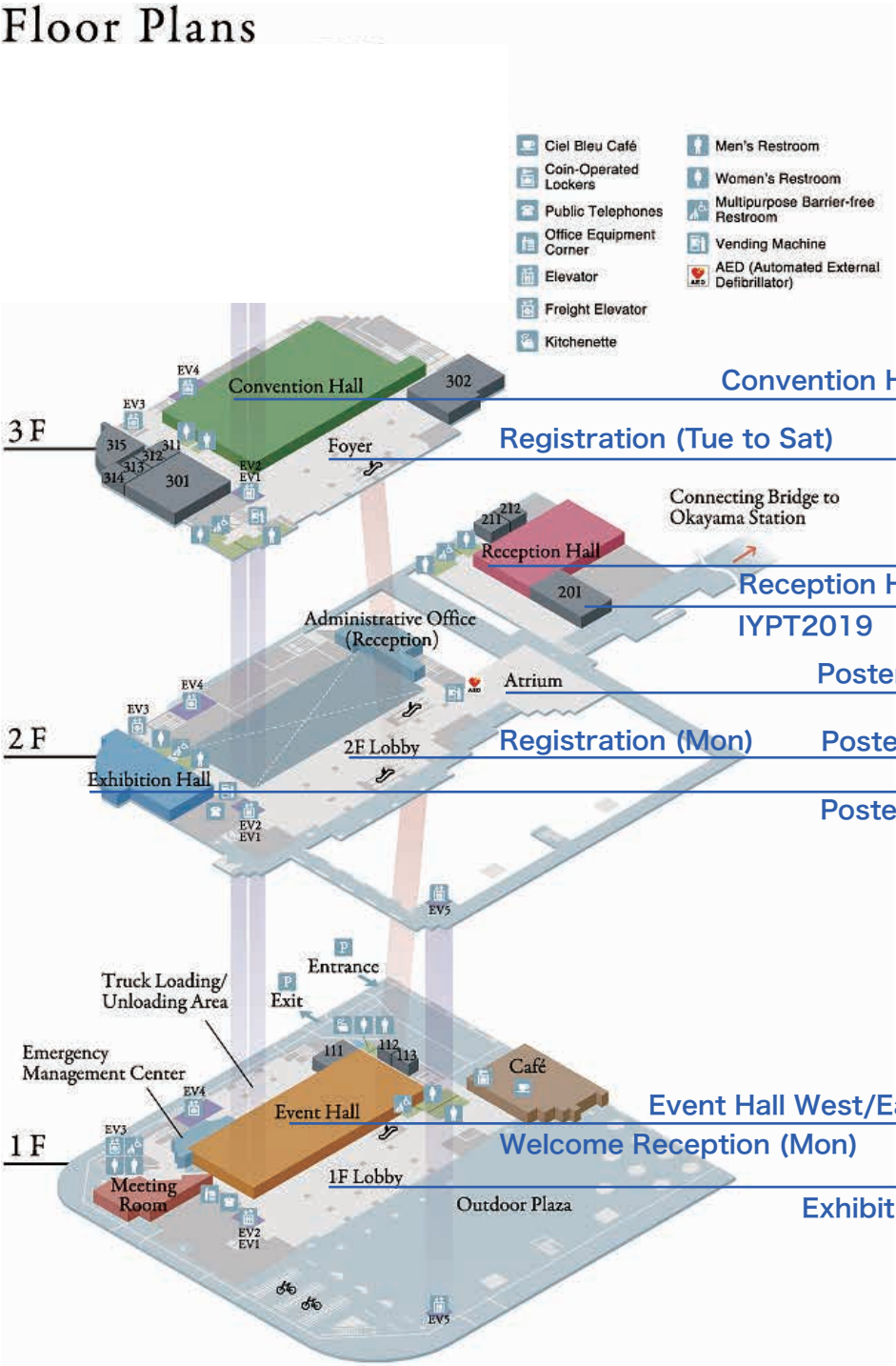
Banquet
Date: Thursday, 26th September
Time: 19:00–21:00
Place: Banquet Hall “Phoenix” on the 4th Floor of Hotel Granvia Okayama
Admission: with a valid ticket only.
Guest: Hirofumi Makino (President, Okayama University)
Highlight: A traditional performance "Bitchu Kagura" is played.

Transportation from the conference site will not be provided. It will take about 10 minutes on foot across the Okayama Station.

IYPT2019 EXHIBITION & SPECIAL TALK

A special exhibition celebrating International Year of the Periodic Table of Chemical Elements 2019 is held at room 201 (2F) during the Conference. A special talk (in Japanese) is given by Kohei Tamao (President, Toyota Physical and Chemical Research Institute) at Reception Hall (2F) from14:30 on Saturday, 28th September.

Floor Plans


Ciel Bleu Café
Coin-Operated Lockers
Public Telephones
Office Equipment Corner
Elevator
Freight Elevator
Kitchenette
Men's Restroom
Women's Restroom
Multipurpose Barrier-free Restroom
Vending Machine
AED (Automated External Defibrillator)
3 F
Convention Hall
302
Foyer
315
311
312
313
314
301
EV4
EV3
EV2
EV1
Connecting Bridge to Okayama Station
212
211
Reception Hall
201
Administrative Office (Reception)
Atrium
2 F
2F Lobby
Exhibition Hall
EV5
Entrance
Exit
Truck Loading/ Unloading Area
Emergency Management Center
111
112
113
Café
Event Hall
1 F
Meeting Room
1F Lobby
Outdoor Plaza
Convention Hall
Registration (Tue to Sat)
Reception Hall
IYPT2019
Poster A
Registration (Mon)
Poster L
Poster E
Event Hall West/East
Welcome Reception (Mon)
Exhibition

Tuesday 24 September

Opening	***Chair: M. Nohara***	**Convention Hall (3F)**
08:30 - 08:45	Opening Address *Hisatomo Harima (Chair of Organizing Committee, Kobe University (Japan))*	
	Welcome Address *Yasutomo Nasu (Executive Director for Research, Vice President, Okayama University (Japan))*	
	Award Ceremony *Vladimir Sechovský (Chair of Prize Committee, Charles University (Czech Republic))*	
The Bernard Coqblin Prize Talk	***Chair: V. Sechovský***	**Convention Hall (3F)**
08:45 - 09:15	Layer-resolved Electronic Structure of Oxide Heterostructures using High-energy Photoelectron Spectroscopy *Dipankar Das Sarma (Indian Institute of Science (India))*	
Plenary Talk	***Chair: H. Harima***	**Convention Hall (3F)**
09:15 - 10:00	Dynamical mean-field theory of strongly correlated electron systems *Dieter Vollhardt (University of Augsburg (Germany))*	

10:00 - 10:30 **Coffee Break**

10:30 - 12:30		**Oral Presentation**
Tu-AM-3F Superconductivity in ferromagnetic materials		**Chair:** ***A. de Visser*** **Convention Hall (3F)**
1	10:30 - 11:00	Uranium compounds: Ferromagnetism, Fermi Surface and Superconductivity *Jacques Flouquet (Univ. Grenoble Alpes and CEA Grenoble (France))*
2	11:00 - 11:30	Spin Fluctuations and Superconductivity in Uranium-based Ferromagnetic Superconductors *Yo Tokunaga (Japan Atomic Energy Agency (Japan))*

3	11:30 - 12:00	Exchange and Correlations: A Generic Coexistence of Magnetism and Superconductivity *Jozef Spalek (Jagiellonian University (Poland))*
4	12:00 - 12:15	Ferromagnetic superconductor UGe_2 probed by high-pressure XMCD *Fabrice Wilhelm (ESRF–The European Synchrotron (France))*
5	12:15 - 12:30	Enhancement of Spin-Triplet Superconductivity by Pressure-Induced Critical Ferromagnetic Fluctuations in UCoGe *Masahiro Manago (Kobe University (Japan), Kyoto University (Japan))*

10:30 - 12:30		**Oral Presentation**
Tu-AM-2F Multipolar phases and fluctuations in strongly correlated electron systems		**Chair:** ***K. Miyake*** **Reception Hall (2F)**
1	10:30 - 11:00	Pressure-induced heavy fermion superconductivity and non-Fermi liquid behavior in non-Kramers doublet system PrT_2Al_{20} (T = Ti, V) *Kazuyuki Matsubayashi* *(The University of Electro-Communications (Japan))*
2	11:00 - 11:30	Multipolar Order, Multipolar Kondo Effect, and Non-Fermi Liquids *Yong-Baek Kim (University of Toronto (Canada))*
3	11:30 - 12:00	Essentially the Same Non-Fermi Liquid Behaviors in Two-Channel Anderson Impurities and Lattice Model *Atsushi Tsuruta (Osaka University (Japan))*
4	12:00 - 12:15	Corroborating Evidence for the Single-Site Quadrupolar Kondo Effect: Logarithmic Elastic Response in the Dilute non-Kramers System $Y_{1-x}Pr_xIr_2Zn_{20}$ *Tatsuya Yanagisawa* *(Hokkaido University (Japan))*
5	12:15 - 12:30	Coexistence of valence fluctuations and long-range magnetic ordering in Ce_2RuGe *Dariusz Kaczorowski (Institute of Low Temperature and Structure Research, Polish Academy of Sciences (Poland), Institute of Molecular Physics, Polish Academy of Sciences (Poland))*

10:30 - 12:30		Oral Presentation
Tu-AM-1E Metal-insulator transition		**Chair:** ***T. Klein***	**Event Hall** **East (1F)**
1	10:30 - 11:00	Theoretical design of the metal-insulator rivalry in delafossites *Frank Lechermann (University of Hamburg (Germany))*
2	11:00 - 11:30	Probing Spin Correlations Using Angle Resolved Photoemission in the Coupled Metallic/Mott Insulator System $PdCrO_2$ *Veronika Sunko (MPI-CPfS (Germany), University of St. Andrews (UK))*
3	11:30 - 12:00	Insulator-metal transition in correlated electron systems at ultrahigh magnetic fields *Yasuhiro H. Matsuda (University of Tokyo (Japan))*
4	12:00 - 12:15	Equilateral-Triangular Trimer Formation in β-Pyrochlore Oxide CsW_2O_6 *Yoshihiko Okamoto (Nagoya University (Japan))*
5	12:15 - 12:30	Unconventional orbital ordering in fulleride superconductors *Shintaro Hoshino (Saitama University (Japan))*

10:30 - 12:30		Oral Presentation
Tu-AM-1W Non-equilibrium phenomena in strongly correlated systems I		**Chair:** ***D. Mihailović***	**Event Hall** **West (1F)**
1	10:30 - 11:00	Dynamics of propagating and localized electronic excitations analyzed by femtosecond photoelectron spectroscopy *Uwe Bovensiepen (University of Duisburg-Essen (Germany))*
2	11:00 - 11:30	Photoinduced Nonequilibrium Dynamics in Correlated Electron Systems *Sumio Ishihara (Tohoku University (Japan))*
3	11:30 - 11:45	Theory of Higgs spectroscopy of superconductors in non-equilibrium *Dirk Manske (Max Planck Institute for Solid State Research (Germany))*
4	11:45 - 12:00	The properties of open quantum system and the non-hermiticity in strongly-correlated electron system *Yoshihiro Michishita (Kyoto University (Japan))*
5	12:00 - 12:15	Light-induced pairing correlations in the extended Falicov-Kimball model *Ryo Fujiuchi (Chiba University (Japan))*

6	12:15 - 12:30	Characterization of Photoexcited States in the Half-filled One-dimensional Extended Hubbard Model Assisted by Machine Learning *Kazuya Shinjo (Tokyo University of Science (Japan))*

12:30 - 14:30	**Lunch Break**

14:30 - 16:30		**Oral Presentation**
Tu-PM-3F Correlated topological metals		**Chair: *Q. Si*** **Convention Hall (3F)**
1	14:30 - 15:00	Correlated Weyl fermions in oxides *Naoto Nagaosa (RIKEN / The University of Tokyo (Japan))*
2	15:00 - 15:30	Topological properties in correlated semimetals *Huiqiu Yuan (Zhejiang University (China))*
3	15:30 - 16:00	Topological and ferromagnetic properties of iron-based van der Waals metals *Jun Sung Kim (Center for Artificial Low Dimensional Electronic System, IBS (Korea), POSTECH (Korea))*
4	16:00 - 16:30	Quantized Transport in Topological Semimetal Surfaces *Masaki Uchida (University of Tokyo (Japan))*

14:30 - 16:30		**Oral Presentation**
Tu-PM-2F Quantum spin liquids: Kitaev magnets		**Chair: *Y. Motome*** **Reception Hall (2F)**
1	14:30 - 15:00	Honeycomb iridates: competing interactions and phases *Philipp Gegenwart (Augsburg University (Germany))*
2	15:00 - 15:30	Magnetic excitations, phase transitions, and Kitaev physics in α-$RuCl_3$ *Stephen Nagler (Oak Ridge National Laboratory (United States of America))*
3	15:30 - 16:00	Pseudospin Magnetism and Phase Diagram in quest of Kitaev Spin Liquid *Kentaro Kitagawa (University of Tokyo (Japan))*
4	16:00 - 16:15	Observation of Majorana fermions in the Kitaev honeycomb magnet *Martin Klanjsek (Jozef Stefan Institute (Slovenia))*
5	16:15 - 16:30	Nonequilibrium dynamics induced by magnetic-field quench in Kitaev spin liquids with fractional Majorana excitations *Joji Nasu (Yokohama National University (Japan))*

14:30 - 16:30		Oral Presentation
Tu-PM-1E Recent progress in cerium based unconventional superconductors		**Chair:** ***P. Coleman*** **Event Hall East (1F)**
1	14:30 - 15:00	Unconventional Superconductivity? The Case of $CeCu_2Si_2$ *Frank Steglich (MPI CPfS, Dresden (Germany), CCM, ZJU, Hangzhou (China))*
2	15:00 - 15:30	Gap symmetry of the heavy electron superconductor $CeCu_2Si_2$ *Yoshifumi Tokiwa (University of Augsburg (Germany))*
3	15:30 - 16:00	Spin-wave excitations in $CeIn_3$ and three-dimensional Ising magnetic excitations in Hg-doped $CeCoIn_5$ *Eric D. Bauer (Los Alamos National Laboratory (United States of America))*
4	16:00 - 16:30	Spatial control of heavy-fermion superconductivity in $CeIrIn_5$ *Philip Moll (École Polytechnique Fédéral de Lausanne (Switzerland))*

14:30 - 16:30		Oral Presentation
Tu-PM-1W Cuprates I: Density wave and nematicity		**Chair:** ***T. Hanaguri*** **Event Hall West (1F)**
1	14:30 - 15:00	Doping Evolution of Charge and Pair Density Wave Orders in Cuprates *Yayu Wang (Tsinghua University (China))*
2	15:00 - 15:30	Uniaxial pressure control of competing orders in the cuprates *Matthieu Le Tacon (Karlsruhe Institute for Technology (Germany))*
3	15:30 - 16:00	Thermodynamic properties of the normal state of high-T_c superconductors *Thierry Klein (University Grenoble-Alps & CNRS-Grenoble (France))*
4	16:00 - 16:15	Nematic Quantum-Critical Fluctuations Near the Pseudogap Quantum Critical Point in a Cuprate Superconductor *Kousuke Ishida (University of Tokyo (Japan))*
5	16:15 - 16:30	The in- and out-of-plane magnetisation of highly underdoped $YBa_2Cu_3O_{6+x}$ single crystals *Ivan Kokanovic (University of Zagreb (Croatia), Cavendish Laboratory, University of Cambridge(UK))*

Exhibition Hall - List of posters

Tuesday 24 September

Tu-E-01	Competing spin-orbit, exchange, and Kondo-interactions on quasi two-dimensional electron states *Clemens Laubschat (Technische Universität Dresden (Germany))*
Tu-E-02	Magnetic and structural study on semimetal $Ce_3Ru_4Sn_{13}$ synthesized using a molten Sn-flux method *Kazuaki Iwasa (Ibaraki University (Japan))*
Tu-E-03	Fermi- to non-Fermi-liquid crossover and Kondo behavior in two-dimensional $(Cu_{2/3}V_{1/3})V_2S_4$ *Yannick Klein (Sorbonne University, IMPMC (France))*
Tu-E-04	Thermal expansion in Kondo system $YbCu_{5-x}Al_x$ *Keisuke Matsumoto (Ehime University (Japan))*
Tu-E-05	Magnetic and Transport Properties of Ternary Pnictide Compound SmPtP *Shinji Michimura (Saitama University (Japan))*
Tu-E-06	Quantum critical phenomenon of CeS by electrical resistivity measurements under high pressure *Yusaku Ozono (Hiroshima University (Japan))*
Tu-E-07	Magnetic and Transport Properties of Rare Earth Zintl Compound $Yb_8Ge_3Sb_5$ *Masashi Kosaka (Saitama University (Japan))*
Tu-E-08	$EuPd_2Si_2$: Single Crystal Growth and Characterization of a Valence Fluctuating System *Kristin Kliemt (Goethe Universität Frankfurt (Germany))*
Tu-E-09	Suppression of Valence Transition and Valence Order in $EuPtP_{1-x}As_x$ *Akihiro Mitsuda (Kyushu University (Japan))*
Tu-E-10	Successive phase transitions in $R_3Ir_4Sn_{13}$ (R: La and Ce) investigated using neutron and x-ray diffraction *Seiya Nakazato (Ibaraki University (Japan))*
Tu-E-11	spin glass transition in $Nd_2Cu_{0.8}Ge_3$ *Jenq-Wei Chen (National Taiwan University (Taiwan))*
Tu-E-12	Kondo temperature and high to low temperature crossover in quantum dots with strong electron correlations *Václav Janiš (Institute of Physics, Czech Academy of Sciences (Czech Republic))*
Tu-E-13	Yb L_3 Resonant Hard X-Ray Photoemission Spectroscopy of Valence Transition Compound $YbInCu_4$ *Kazuhiro Maeda (Hiroshima University (Japan))*

Tu-E-14	Pressure and temperature evolution of Sm mean-valence in golden SmS *Keiichiro Imura (Nagoya University (Japan))*
Tu-E-15	Yb 4*f*-5*d* Coulomb Repulsion of $YbCu_2Si_2$ Derived from Resonant Hard X-ray Photoemission Spectroscopy *Kojiro Mimura (Osaka Prefecture University (Japan))*
Tu-E-16	Electronic Structure of the Valence Transition System $Eu(Rh_{1-x}\ T_x)_2\ Si_2$ (T = Co, Ir) Studied by High-Energy Resolution Fluorescence Detection X-ray Absorption Spectroscopy *Ryohei Shimokasa (Osaka Prefecture University (Japan), Japan Synchrotron Radiation Research Institute (Japan))*
Tu-E-17	Electronic Structure of $YbNi_2X_2$ (X=Si, Ge) Studied by Hard X-Ray Photoemission Spectroscopy *Hitoshi Sato (Hiroshima University (Japan))*
Tu-E-18	Pressure-induced cubic fluctuating ground state in YbPd *Kohei Oyama (Kyushu University (Japan))*
Tu-E-19	Non-linear conduction of black-SmS *Hideyuki Ando (Nagoya University (Japan))*
Tu-E-20	Phonon-Drag Thermoelectric Effects in $FeSb_2$ Based on Linear Response Theory *Hiroyasu Matsuura (University of Tokyo (Japan))*
Tu-E-21	Low temperature behavior of diluted Kondo insulator $Yb_{1-x}R_xB_{12}$ *Wataru Matsuhra (Ibaraki University (Japan))*
Tu-E-22	Magnetic properties and local structure for sputtered amorphous $Ce_{50}Al_{50}$ alloy *Kazuho Seki (Muroran Institute of Technology (Japan))*
Tu-E-23	Evolution of the propagation vector of antiferroquadrupolar phases in $Ce_3Pd_{20}Si_6$ with magnetic field *Dmytro S. Inosov (TU Dresden (Germany))*
Tu-E-24	Thermodynamic Evidence for Two Distinct Non-Fermi-Liquid Regimes and a Quantum Critical Line in the Quasi-Kagome Kondo-Lattice CeRhSn *Shunichiro Kittaka (University of Tokyo (Japan))*
Tu-E-25	Ground-State Phase Diagram of an Anisotropic S=1 Ferromagnetic-Antiferromagnetic Bond-Alternating Chain *Kiyomi Okamoto (University of Hyogo (Japan))*
Tu-E-26	Effects of quantum critical fluctuations on thermodynamics in disordered unconventional superconductors with competing interactions *Maxim Dzero (Kent State University (United States of America))*
Tu-E-27	Chemical Composition Induced Quantum Phase transition in $Cs_{1-x}Rb_x\ FeCl_3$ *Lena Stoppel (ETH Zurich (Switzerland))*

Tu-E-28	Relation of Ce 4*f*-5*d* Coulomb Repulsion to Quantum Critical Phenomena in Ce 122 studied by Resonant Hard X-ray Photoemission Spectroscopy *Gen Isumi (Osaka Prefecture University (Japan))*
Tu-E-29	Low Temperature Specific Heat of UCoAl near the Ferromagnetic Quantum Phase Transition *Mizuho Maeda (Tohoku University (Japan))*
Tu-E-30	Electron Mass Enhancement due to Nematic Quantum Critical Fluctuations in a Fe-based Superconductor *Guo-qing Zheng (Okayama University (Japan))*
Tu-E-31	Effect of pressure for α-Mn *Tomohito Nakano (Niigata University (Japan))*
Tu-E-32	High magnetic field neutron diffraction in the magnetic field induced spin-density wave phase in URu_2Si_2 *Takumi Kihara (Tohoku University (Japan))*
Tu-E-33	Spin-charge-lattice coupling in $YBaCuFeO_5$:Optical properties and first-principles calculations *Hsiang-Lin Liu (National Taiwan Normal University (Taiwan))*
Tu-E-34	Interplay of Structure and Magnetism in $LuFe_4Ge_2$ *Mukkattu Omanakuttan Ajeesh (Max Planck Institute for Chemical Physics of Solids(Germany))*
Tu-E-35	X-ray diffraction study of quantum criticality in the charge density wave system $Lu(Pt_{1-x}Pd_x)_2In$ *Eduardo M. Bittar (Centro Brasileiro de Pesquisas Fisicas (Brazil))*
Tu-E-36	Tricriticality in the dimerized -1 XXZ chain *Tomoki Yamaguchi (Chiba Univeristy (Japan))*
Tu-E-37	The physical properties of $(Mn_{0.85}Fe_{0.15})Si$ along the critical trajectory *Alla Petrova (Institute for High Pressure Physics, Russian Academy of Sciences (Russia))*
Tu-E-38	Single crystal growth and study of the magnetic and structural properties of the mixed system $Ba_{3-x}Sr_xCr_2O_8$ *Alsu Gazizulina (Helmholtz-Zentrum Berlin für Materialien und Energie (Germany))*
Tu-E-39	Synchrotron-radiation-based ^{174}Yb Mössbauer spectroscopic studies on $YbAlB_4$ at low temperatures *Hisao Kobayashi (University of Hyogo (Japan), RIKEN SPring-8 Center (Japan))*

Tu-E-40	Signature of a quantum dimensional transition in the spin-½ antiferromagnetic Heisenberg model on a square lattice and space reduction in the matrix product state *Lihua Wang (Ulsan National Institute of Science and Technology (Korea))*
Tu-E-41	Phase diagrams of U*TX* compounds crystallizing in ZrNiAl structure *Petr Opletal (Charles University (Czech Republic))*
Tu-E-42	Quantum Critical Phenomena in the Two-Dimensional Periodic Anderson Model *Motoharu Kitatani (Vienna University of Technology (Austria))*
Tu-E-43	Pressure-Induced Magnetic Ordered Phases in the Chiral Compound $YbNi_3Ga_9$ Studied by Hall Resistivity and Magnetoresistance Measurements under Pressures up to 12GPa *Yudai Arai (Hiroshima Uiniversity (Japan))*
Tu-E-44	Intergrain Phase Transitions in Superconducting Ceramic $YBa_2Cu_3O_{7-\delta}$ in Low Magnetic Fields *Hiroyuki Deguchi (Kyushu Institute of Technology (Japan))*
Tu-E-45	Finite Size Effects in Topological Quantum Phase Transitions *Mucio A. Continentino (Centro Brasileiro de Pesquisa Fisicas (Brazil))*
Tu-E-46	Metal Monoclinic Phase in Vanadium Dioxide Hydrated by Plasma-Immersion Ion Implantation *Alexander Pergament (PetrSU (Russia))*
Tu-E-47	Effects of the frustration on the magnetic and Mott transitions in the half-filled 1/5-depleted Hubbard model *Atsushi Yamada (Chiba University (Japan))*
Tu-E-49	Spectroscopically Distinct Surfaces of the Three-Dimensional Charge Order in 1*T*-TaS_2 *Christopher John Butler (RIKEN Center for Emergent Matter Science (Japan))*
Tu-E-50	Exploring the current induced orbital and magnetic order melting in Ca_2RuO_4 *Alessandro Bombardi (Diamond Light Source Ltd., (UK))*
Tu-E-51	Charge Ordering and π-d Interaction in Electron Doped 3/4-Filling System α"-$(BEDT\text{-}TTF)_2Rb_{1.2}Co(SCN)_4$ *Satoshi Iguchi (Tohoku University (Japan))*
Tu-E-52	Single Crystal growth of Ta and Ni site substituted Ta_2NiSe_5 *Sumika Sano (Niigata University (Japan))*
Tu-E-53	Rh Substitution Effect on Filled Skutterudite $SmRu_4P_{12}$ *Chihiro Sekine (Muroran Institute of Technology (Japan))*

Tu-E-54	Pressure Induced Superconductivity Viewed by AC-calorimetry *Touru Yamauchi (University of Tokyo (Japan))*
Tu-E-55	Microscopic Investigation on a Metal-to-Insulator Transition in $CaCu_3Ti_{4-x}Ru_xO_{12}$ *Harukazu Kato (Kochi University (Japan))*
Tu-E-56	Metamagnetism in Correlated Electrons *Arghya Taraphder (Indian Institute of Technology Kharagpur (India))*
Tu-E-57	Transport properties of $BaCo_{1-x}Ni_xS_{2-y}$ *Masakazu Ito (Kagoshima University (Japan))*
Tu-E-58	In-situ investigation of electronic properties in yttrium-hydride prepared at low temperature *Kazuki Miyakawa (Kyushu University (Japan))*
Tu-E-59	Enhancement of Mott quantum critical fluctuations and suppression of magnetic order by weak disorder in a quasi-2D organic conductor *Mizuki Urai (University of Tokyo (Japan))*
Tu-E-60	Emergence of Cluster-Glass State in Itinerant Ferromagnetic Compound $Sr_{1-x}(La_{0.5}K_{0.5})_xRuO_3$ *Ryoya Iwahara (Ibaraki University (Japan))*
Tu-E-61	Charge disproportionation of mixed-valent Cr in A-site-ordered perovskite $BiCu_3Cr_4O_{12}$ *Masahiko Isobe (Max Planck Institute for Solid State Research (Germany))*
Tu-E-62	Liquid Dynamics of Orbital Molecules in High Temperature Paramagnetic Phase of Layered $LiVS_2$ *Keita Kojima (Nagoya University (Japan))*
Tu-E-63	Metallic Ground State of Nd_2CuO_4 Searched by Exact Diagonalization Calculations *Kozo Okada (Okayama University (Japan))*
Tu-E-65	Resonant X-ray Diffraction Study of Antiferromagnetic Transition in $GdNiC_2$ *Susumu Shimomura (Kyoto Sangyo University (Japan))*
Tu-E-66	Electronic States of $LaAuSb_2$ Studied by Soft X-Ray ARPES *Shin Imada (Ritsumeikan University (Japan))*
Tu-E-67	Reversal Memory – a new kind of memory in Transition Metal Oxides *Amos Sharoni (Bar-Ilan University (Israel))*
Tu-E-68	A 3-terminal VO_2-based realization of an artificial synapse *Elihu Anouchi (Bar-Ilan University (Israel))*
Tu-E-69	High Mobility and Positive Giant Magnetoresistivity in Correlated Dirac Semimetal of Perovskite $CaIrO_3$ *Rinsuke Yamada (The University of Tokyo (Japan))*

Tu-E-70	Quantum anomalous vortex and Majorana zero mode in Fe-based superconductor Fe(Te,Se) *Ziqiang Wang (Boston College (United States of America))*
Tu-E-71	Spin-lattice relaxation phenomena and multiple magnetic phase in a semimetal CeAlGe *Karan Singh (Indian Institute of Technology(India))*
Tu-E-72	Surface States in SmB_6 and EuB_6 Investigated by Scanning Tunneling Spectroscopy *Sahana Rößer (Max Planck Institute for Chemical Physics of Solids (Germany))*
Tu-E-73	Finite-Temperature Violation of The Anomalous Transverse Wiedemann-Franz Law in Absence of Inelastic Scattering *Liangcai Xu (Huazhong University of Science and Technology (China))*
Tu-E-74	Exceptional Points in the Spectrum of a Topological Kondo Insulator *Robert Peters (Kyoto University (Japan))*
Tu-E-75	Magnetic Hedgehog Crystals in Noncentrosymmetric Metals *Shun Okumura (the University of Tokyo (Japan))*
Tu-E-76	Magnetic-Field Dependence of The Electronic Structure of The Weyl Semimetal TaAs *Shin-ichi Kimura (Osaka University (Japan))*
Tu-E-77	Metal-Insulator Transition in Organic Conductor α-$(BETS)_2I_3$ *Akito Kobayashi (Nagoya University (Japan))*
Tu-E-78	Quantum transport in a compensated semimetal W_2As_3 with nontrivial Z_2 indices *Yupeng Li (Zhejiang University (China))*
Tu-E-79	Chiral electromagnetism and chiral anomaly in Weyl superconductors *Taiki Matsushita (Osaka University (Japan))*
Tu-E-80	Magnetic Properties in the Itinerant Chiral Magnet $MnSi_{1-x}Ge_x$ *Seno Aji (Tohoku University (Japan))*
Tu-E-81	The Propensity for Bound State Formation in Strongly Interacting Topological Insulators *Peter S Riseborough (Temple University (United States of America))*
Tu-E-82	Large anomalous Hall effect in ferromagnetic Weyl semimetal candiate PrAlGe *Zhaoming Tian (Huazhong University (China))*
Tu-E-83	Muon Spin Rotation Study of Type-I Superconductivity in $PdTe_2$ *Huaqian Leng (University of Amsterdam (Netherlands))*

Tu-E-84	Berry Phase Determined from Magnetic Quantum Oscillations in Three-dimensional Massive Dirac Semimetal *Sang-Eon Lee (Sogang University (Korea))*
Tu-E-85	Quantum oscillations under the Magnetic breakdown regime in Nodal line semimetals ZrSiS and HfSiS *Filip Orbanic (University of Zagreb (Croatia))*
Tu-E-86	Molecular-orbital representation of topological flat-band models *Tomonari Mizoguchi (University of Tsukuba (Japan))*
Tu-E-87	Quasi-particle evidence for the nematic state above T_c in $Sr_xBi_2Se_3$ *Yue Sun (Aoyama Gaguin University (Japan))*
Tu-E-88	High Magnetic Field Study of the Weyl-Kondo Semimetal $Ce_3Bi_4Pd_3$ and the Kondo Insulator $Ce_3Bi_4Pt_3$ *Diego A. Zocco (Vienna University of Technology (Austria))*

Lobby - List of posters	
Tuesday 24 Septembe	
Tu-L-01	A New Pairing Mechanism in the Market *Tanmoy Das Das (Indian Institute of Science (India))*
Tu-L-02	Thermoelectric signature of the nematic phase in hole-doped iron-based superconductor *Marcin Matusiak (Institute of Low Temperature, Polish Academy of Sciences (Poland))*
Tu-L-03	Stability of the superconducting *d*-wave pairing towards the intersite Coulomb repulsion in cuprate superconductors *Maxim Korovushkin (Kirensky Institute of Physics (Russia))*
Tu-L-04	Topological Gapless Superconductivity with Rotation Symmetry *Shuntaro Sumita (Kyoto University (Japan))*
Tu-L-05	Pressure and Field Dependence of Critical Temperature on Superconductivity of Filled Skutterudite YRu_4P_{12} *Yukihiro Kawamura (Muroran Institute of Technology (Japan))*
Tu-L-06	Bulk superconductivity in $La_2O_2M_4S_6$-type layered oxychalcogenide $La_2O_2Bi_3Ag_{0.6}Sn_{0.4}S_{5.7}Se_{0.3}$ *Rajveer Jha (Tokyo Metropolitan University (Japan))*
Tu-L-07	Superconductivity in $Nb_5Ir_{3-x}Pt_xO$ *Jiro Kitagawa (Fukuoka Institute of Technology (Japan))*
Tu-L-09	Fostering Superconductivity by Doping Valence-Skipping Indium into Simple Polar IV – VI Semiconductors *Markus Kriener (RIKEN Center for Emergent Matter Science (Japan))*
Tu-L-10	Influence of Coulomb Interaction on the Temperature Dependence of the London Penetration Depth in Cuprate HTSCs *Dmitry Dzebisashvili (Kirensky Institute of Physics (Russia), Reshetnev Siberian State University of Science and Technology (Russia))*
Tu-L-11	Coexistence of Superconductivity with Quadrupole Order in a Γ_3 System *Katsunori Kubo (Japan Atomic Energy Agency (Japan))*
Tu-L-12	Surface odd-frequency Cooper pairs as polarization of chirality *Akito Daido (Kyoto University (Japan))*
Tu-L-13	Electronic state of V_3Si probed by Si NMR *Asahi Nojirino (Tokushima University (Japan))*

Tu-L-14	Critical Current Density of the Ferromagnetic Superconductor UGe_2 near the Superconducting Transition Temperature *Akira Yamaguchi (University of Hyogo (Japan))*
Tu-L-15	NMR study of Layered Bismuth-Sulfide $EuFBiS_2$ *Tomoko Deguchi (Tokushima University (Japan))*
Tu-L-16	Nuclear Quadrupole Resonance Study on Sr_2RuO_4 under Uniaxial Stress *Katsuki Kinjo (Kyoto University (Japan))*
Tu-L-17	Spontaneous thermal Hall conductance in superconductors with broken time-reversal symmetry *Firat Serif Yilmaz (Institute of Physics, Academia Sinica (Taiwan), National Tsing Hua University (Taiwan))*
Tu-L-18	NMR studies on chiral noncentrosymmetric superconductor $TaRh_2B_2$ *Ryo Ogura (Okayama University (Japan))*
Tu-L-19	NMR Study of Phase Transitions in $Lu_5Ir_4Si_{10}$ *Koh-ichi Ueda (University of Hyogo (Japan))*
Tu-L-20	HTSC as Self-Doping CT-Excitonic Insulators *Kirill Mitsen (Lebedev Physical Institute, Russian Academy of Sciences (Russia))*
Tu-L-21	Signature of Nematic Superconductivity in $M_xBi_2Se_3$: Josephson Tunneling *Pye Ton How (Institue of Phsyics, Academia Sinica (Taiwan), National Center for Theoretical Sciences (Taiwan))*
Tu-L-22	Possible Electronic Nematic Phases in the Layered Titanium Pnictide Oxides *Takeshi Yajima (University of Tokyo (Japan))*
Tu-L-23	Theoretical study of the possible lattice deformation effect on the superconductivity in two-leg ladder-type cuprates *Hikaru Sakamoto (Osaka University (Japan))*
Tu-L-24	Superconductivity under pressure in the Dirac semimetal $PdTe_2$ *Anne de Visser (University of Amsterdam (Netherlands))*
Tu-L-25	Competing superconducting phases and electron-hole doping asymmetry in K-type molecular conductors *Hiroshi Watanabe (RIKEN Cluster for Pioneering Research (Japan))*
Tu-L-26	Relationship between Superconductivity and Anisotropy in Strongly Correlated Electrons *Kenji Kobayashi (Chiba Institute of Technology (Japan))*
Tu-L-27	Reduction in Nèel Temperature of Free-Standing La_2CuO_4 Nanoparticles *Suci Winarsih (RIKEN (Japan), Universitas Indonesia (Indonesia))*

Tu-L-28	Microwave Conductivity Distinguishes Between Different *d*-wave States: Umklapp Scattering in Unconventional Superconductors *David Cavanagh (The University of Otago (New Zealand))*
Tu-L-29	The nearly ferromagnetic superconductor UTe_2 under pressure *Daniel Braithwaite (University Grenoble Alpes and CEA, IRIG-PHELIQS (France))*
Tu-L-30	Magnetic Field-Temperature Phase Diagram of Fine $YBa_2Cu_3O_{7-\delta}$ Ceramics from Linear and Non-linear Resistivities *Akihiko Hisada (Tokushima University (Japan))*
Tu-L-31	Numerical study of photo-induced charge order melting –collective excitation and inhomogeneity– *Hitoshi Seo (RIKEN (Japan))*
Tu-L-32	High-harmonic generation from strongly correlated systems *Yuta Murakami (Tokyo Institute of Technology (Japan))*
Tu-L-33	The Photoinduced Dynamic Process in Hidden State of 1*T*-TaS_2 *Zixiao Wang (Peking University (China))*
Tu-L-34	Memory effect in Heisenberg spin glass $Ni_xMn_{1-x}TiO_3$ *Ayane Yokoyama (Ochanomizu University (Japan))*
Tu-L-35	Observing a Hierarchy of Modes in a 1D Strongly Correlated Liquid beyond the Luttinger Regime *Pedro M. T. Vianez (University of Cambridge (UK))*
Tu-L-36	Phase Transitions in Fermionic Superfluidity with Dissipation *Kazuki Yamamoto (Kyoto University (Japan))*
Tu-L-37	The energy gap and amplitude mode in charge-density-wave superconductor $Bi_2Rh_3Se_2$ *Tong Lin (Peking University (China))*
Tu-L-38	Possible extension of the photoinduced η-paring mechanism in strongly correlated systems *Shohei Miyakoshi (RIKEN CEMS (Japan))*
Tu-L-39	^{13}C NMR studies of the metallic, charge ordered and charge glass states in organic conductors, θ-(BEDT-TTF)$_2$*X* *Kazuya Miyagawa (University of Tokyo (Japan))*
Tu-L-40	Photoinduced η-pairing in one-dimensional Mott insulators *Satoshi Ejima (University Greifswald (Germany), RIKEN CPR (Japan))*
Tu-L-41	Electron Hydrodynamics in Noncentrosymmetric Materials *Riki Toshio (Kyoto University (Japan))*
Tu-L-42	High Harmonic Generation in a Charge Ordered Correlated Electron System *Shohei Imai (Tohoku University (Japan))*

Tu-L-43	Observation of electronic crystal growth by Raman imaging microscopy *Hideaki Murase (University of Tokyo (Japan))*
Tu-L-44	Typical growth behavior of the out-of-time-ordered commutator in many-body localized systems *Dong-Hee Kim (GIST (Korea))*

Atrium - List of posters	
Tuesday 24 September	
Tu-A-02	Theory of the Staggered Magnetic Susceptibility Including Zero-point Spin Fluctuations of Itinerant Nearly Antiferromagnetic Compounds *Nobukuni Hatayama (Kindai University Technical College (Japan))*
Tu-A-03	Impurity Effect on Magnetism and Mott Transitions in Hubbard Model on Anisotropic Triangular Lattice *Tsutomu Watanabe (Chiba Institute of Technology (Japan))*
Tu-A-04	Metallization of Mott Insulators through Percolation in Partially Filled Impurity Hubbard Model *Hisatoshi Yokoyama (Tohoku University (Japan))*
Tu-A-05	Charge Reconstruction in Magnetic Heterostructures *Andreas Weh (University of Augsburg (Germany))*
Tu-A-06	Dynamical *t/U* expansion for doped Hubbard model *Wenxin Ding (Anhui University (China))*
Tu-A-07	Electron Correlation Effect between N=0 Landau Levels in Organic Dirac Fermion System *Takehiro Tani (Nagoya University (Japan))*
Tu-A-08	Pair-Density Functional Theory for the Superconductor *Katsuhiko Higuchi (Hiroshima University (Japan))*
Tu-A-09	An Introduction of Bayesian Inference to X-ray Spectroscopy Analysis *Takayuki Uozumi (Osaka Prefecture University (Japan))*
Tu-A-10	Partial bosonization of the extended Hubbard model *Evgeny A. Stepanov (University of Hamburg (Germany))*
Tu-A-11	FFLO Excitonic Order and its Fluctuation Mediated Superconductivity in Ta_2NiSe_5 under High Pressure *Kaoru Domon (Niigata University (Japan))*
Tu-A-12	Study of the interactions between the spin and charge degrees of freedom in correlated doped quantum anti-ferromagnets *Suraka Bhattacharjee (SN Bose National Centre for Basic Sciences (India))*
Tu-A-13	HAXPES study of Spin Seebeck System $Pt/Y_3Fe_5O_{12}$ *Kenji Yoshii (Japan Atomic Energy Agency (Japan))*
Tu-A-14	Evolution of Superconductivity in $K_{2-x}Fe_{4+y}Se_5$: X-ray Absorption and Emission Spectroscopic Studies *Way-Faung Pong (Tamkang University (Taiwan))*
Tu-A-15	Scaling in transport coefficients of hole-doped $CuRhO_2$ single crystals *Kanji Kurita (Tokyo University of Science (Japan))*

Tu-A-17	Magnetic property of Gd_5Ge_4 single crystal under pressure *Kaori Yokota (Yokohama National University (Japan))*
Tu-A-18	Structural and magnetocaloric properties of Ni-doped $BaFeO_3$ *Masaichiro Mizumaki (Japan Synchrotron Radiation Research Institute (Japan))*
Tu-A-19	Electronic correlation in the two-dimensional electride Y_2C *Masatoshi Hiraishi (KEK-IMSS (Japan))*
Tu-A-20	Magnetic Polaron cluster formation and its evolution with field and temperature in a single crystal of EuB_6 *Dibya Jyoti Sivananda (Indian Institute of Technology Kanpur (India))*
Tu-A-21	Electronic Structure of Steel Sheet Covered with Cr_2O_3 Thin Film Investigated by Hard x-ray Photoemission Spectroscopy *Yoshinori Shibagaki (Osaka Prefecture University (Japan))*
Tu-A-22	Weak Localization and Half-metallicity in Non-Stoichiometric Fe_2TiSn *Sayan Chaudhuri (Indian Institute of Technology Indore (India))*
Tu-A-23	X-ray Absorption Study of Perovskite $Pr_{1-x}Sr_xCoO_3$ *Daiju Matsumura (Japan Atomic Energy Agency (Japan))*
Tu-A-24	Valence Control of Charge and Orbitsl Frustrated System $YbFe_2O_4$ with Electrochemical Li^+ intercalation. *Naoshi Ikeda (Okayama University (Japan))*
Tu-A-25	The Structure Conditions for the Stabilization of the Intermediate-spin Co^{3+} Ground State *Yi-Ying Chin (National Chung Cheng University (Taiwan))*
Tu-A-26	Large magneto-optical Kerr effect and imaging of cluster magnetic octupole domains in the antiferromagnetic Weyl metal Mn_3Sn *Tomoya Higo (University of Tokyo (Japan))*
Tu-A-27	Electronic structure and magnetic properties of Gd_{1-x} La_x MnSi compounds *Alexey V. Lukoyanov (M.N. Miheev Institute of Metal Physics UrB RAS (Russia), Ural Federal University (Russia))*

Wednesday 25 September

Plenary Talk	***Chair: A. Fujimori***	**Convention Hall (3F)**
08:30 - 09:15	Laser ARPES on Key Ingredients and Pairing Interactions in High Temperature Superconductors *Xingjiang Zhou (Institute of Physics, Chinese Academy of Sciences (China))*	

Plenary Talk	***Chair: A. P. Mackenzie***	**Convention Hall (3F)**
09:15 - 10:00	The enigmatic pseudogap phase of cuprate superconductors *Louis Taillefer (University of Sherbrooke (Canada))*	

10:00 - 10:30 **Coffee Break**

10:30 - 12:30		**Oral Presentation**
We-AM-3F Quantum magnetism and Frustration I		**Chair:** ***P. Gegenwalt*** **Convention Hall (3F)**
1	10:30 - 11:00	Valence bond liquids/glasses and related phase transitions *Senthil Todadri (Massachusetts Institute of Technology (United States of America))*
2	11:00 - 11:30	Magnetic excitations in classical spin liquids: the case of $MgCr_2O_4$ and beyond *Martin Mourigal (Georgia Institute of Technology (United States of America))*
3	11:30 - 11:45	Metallic Spin Liquid-like Behavior of LiV_2O_4 *Ryosuke Kadono (KEK (Japan), Sokendai (Japan))*
4	11:45 - 12:00	Experimental evidence of pressure-induced deconfined quantum phase transition in an S =1/2 quantum antiferromagnet $C_9H_{18}N_2CuBr_4$ *Tao Hong (Oak Ridge National Laboratory (United States of America))*
5	12:00 - 12:15	Pressure Induced New Magnetic Phases in a triangular-lattice antiferromagnet $CsCuCl_3$ *Yusuke Kousaka (Osaka Prefecture University (Japan))*
6	12:15 - 12:30	Metamagnetism, Quantum Criticality and Dynamics in Quantum Spin Ice System $Pr_2Zr_2O_7$ *Nan Tang (University of Tokyo(Japan))*

10:30 - 12:30		**Oral Presentation**
We-AM-2F Singular charge dynamics in correlated materials		**Chair:** ***Y. Tokiwa***	**Reception Hall (2F)**
1	10:30 - 11:00	Kondo Breakdown, Strange and Bad metals. *Piers Coleman (Rutgers University (United States of America), Royal Holloway, University of London (UK))*
2	11:00 - 11:30	Singular charge fluctuations in the quantum critical heavy fermion compound $YbRh_2Si_2$ *Silke Paschen (Vienna University of Technology (Austria))*
3	11:30 - 12:00	Quantum Critical Valence Fluctuations in α-$YbAlB_4$ *Yosuke Matsumoto (Max Planck Institute for Solid State Research (Germany))*
4	12:00 - 12:30	Quantum Valence Criticality in Heavy Fermions on Periodic and Aperiodic Crystals *Shinji Watanabe (Kyushu Institute of Technology (Japan))*

10:30 - 12:45		**Oral Presentation**
We-AM-1E Recent experiments on Sr_2RuO_4		**Chair:** ***Y. Yanase***	**Event Hall East (1F)**
1	10:30 - 11:00	Paradigm shift toward solving the puzzles of superconductivity in Sr_2RuO_4 *Yoshiteru Maeno (Kyoto University (Japan))*
2	11:00 - 11:30	Uniaxial pressure tuning of superconductivity and normal state physics in Sr_2RuO_4 *Andrew Mackenzie (Max Planck Institute for Chemical Physics of Solids (Germany), University of St Andrews (UK))*
3	11:30 - 12:00	The normal and superconducting states of Sr_2RuO_4, probed using ^{17}O NMR under stressed conditions *Stuart Brown (UCLA (United States of America))*
4	12:00 - 12:30	Scanning tunneling spectroscopy measurements of Sr_2RuO_4 and UTe_2 *Vidya Madhavan (University of Illinois at Urbana-Champaign (United States of America))*
5	12:30 - 12:45	Spin singlet pairing in Sr_2RuO_4 with horizontal line nodes –Present status and future prospect– *Kazushige Machida (Ritsumeikan University (Japan))*

10:30 - 12:30		**Oral Presentation**
We-AM-1W Spin-oribit coupled metal		**Chair:** ***T. M. McQueen*** **Event Hall West (1F)**
1	10:30 - 11:00	Itinerant multipolar orders in the spin-orbit coupled metal $Cd_2Re_2O_7$ *Zenji Hiroi (University of Tokyo (Japan))*
2	11:00 - 11:30	Design rules for high-temperature magnetic spirals in layered perovskites *Tian Shang (Paul Scherrer Institut(Switzerland))*
3	11:30 - 12:00	Classification of Atomic-Scale Multipoles under Crystallographic Point Groups *Satoru Hayami (Hokkaido University (Japan))*
4	12:00 - 12:15	Spin-orbital excitations and their potential condensation in pentavalent irridates *Beom Hyun Kim (Korea Institute for Advanced Study (Korea))*
5	12:15 - 12:30	Giant positive magnetoresistance under global fields in Polar Magnetic Semiconductor $AgCrSe_2$ *Shintaro Ishiwata (Osaka University (Japan))*

12:30 - 14:30	**Lunch Break**

14:30 - 16:30		**Oral Presentation**
We-PM-3F Quantum critical phenomena and others		**Chair:** ***S. Paschen*** **Convention Hall (3F)**
1	14:30 - 14:45	Carrier-doping to Sr_2IrO_4 with strong spin-orbit interaction *Jun Akimitsu (Okayama University (Japan))*
2	14:45 - 15:00	Low energy excitation and time-resolved dynamics in heavy-fermion systems *Shovon Pal (ETH Zurich (Switzerland))*
3	15:00 - 15:15	Understanding the quantum criticality of intermediate valence system α-$YbAlB_4$ *Mihael S. Grbic (University of Zagreb (Croatia), University of Tokyo (Japan))*
4	15:15 - 15:30	Magnetism and Yb-valence of Au-Al-Yb Quasicrystals and Approximants with Concentric Shell Structure *Kazuhiko Deguchi (Nagoya University (Japan))*

5	15:30 - 15:45	Theory for Non-Fermi Liquid Temperature Dependence in Resistivity of $Ce_xLa_{1-x}Cu_{5.62}Au_{0.38}$ (x=0.02-0.10) on the Local Quantum Valence Criticality of Ce Impurities *Kazumasa Miyake (Osaka University (Japan))*
6	15:45 - 16:00	Electronic properties of single crystalline Cerium thin films *Xiegang Zhu (Institute of Materials, China Academy of Engineering Physics (China))*
7	16:00 - 16:15	Antiferromagnetic quantum criticality in $CeRh_2Si_2$ *Shingo Araki (Okayama University (Japan))*
8	16:15 - 16:30	Investigating the superconducting state of Ce_3PtIn_{11} *Jeroen Custers (Charles University (Czech Republic))*

14:30 - 16:30		**Oral Presentation**
We-PM-2F URu_2Si_2 and other uranium compounds		**Chair:** ***J. A. Mydosh*** **Reception Hall (2F)**
1	14:30 - 15:00	Symmetry of Hidden order and Superconductivity in URu_2Si_2 *Shinsaku Kambe (Japan Atomic Energy Agency (Japan))*
2	15:00 - 15:30	*p*-wave Superconductivity in Uranium Systems : Pairing Mechanism and Order Parameter Symmetry. *Jean-Pascal Brison (University Grenoble Alpes, CEA, IRIG-Pheliqs (France))*
3	15:30 - 16:00	Physics of $UIrSi_3$ – a noncentrosymmetric antiferromagnet *Vladimir Sechovský (Charles University (Czech Republic))*
4	16:00 - 16:15	Fermi Surface Reconstructions and Transport Properties in Heavy-Fermion Materials *Gertrud Zwicknagl (TU Braunschweig (Germany))*
5	16:15 - 16:30	Direct observation of the hybridization gap in both the hidden order and antiferromagnetic phases of $URu_{2-x}Fe_xSi_2$ by ARPES and STM *Qiuyun Chen (China Academy of Engineering Physics (China))*

14:30 - 16:30		**Oral Presentation**
We-PM-1E Recent progress in magnetic and superconductng materials		**Chair:** ***J. Kishine*** **Event Hall East (1F)**
1	14:30 - 15:00	Ordered phases and dynamic excitations of chiral magnets *Markus Garst (Karlsruhe Institute of Technology (Germany))*

2	15:00 - 15:30	Nontrivial Electrical Transport on Chiral Magnetic Materials *Yoshihiko Togawa (Osaka Prefecture University (Japan))*
3	15:30 - 15:45	Topology in Magnets: From Skyrmion Crystals to Chiral Spin Liquids *Sopheak Sorn (University of Toronto (Canada))*
4	15:45 - 16:00	Chiral superconductivity in the alternate stacking compound 4Hb-TaS_2 *Yoram Dagan (Technion-Israel Institute of Technology (Israel))*
5	16:00 - 16:15	Split superconducting and time reversal symmetry breaking transitions in uniaxially stressed Sr_2RuO_4 from muon spin relaxation *Hans-Henning Klauss (Technische Universität Dresden (Germany))*
6	16:15 - 16:30	Wait Time Counts *Carley Paulsen (Institut Neel, CNRS (France))*

14:30 - 16:30		**Oral Presentation**
We-PM-1W Non-equilibrium phenomena in strongly correlated systems II		**Chair:** ***D. Manske*** **Event Hall West (1F)**
1	14:30 - 15:00	Quantum Jamming: Many Body Localization after a Laser Quench *Dragan Mihailović (Jozef Stefan Institute (Slovenia), University of Ljubljana (Slovenia))*
2	15:00 - 15:30	Ultrafast x-ray study of charge/spin dynamics *Hiroki Wadati (University of Tokyo (Japan), University of Hyogo (Japan))*
3	15:30 - 15:45	Nonvolatile Current-Induced Phase Transition in 1*T*-TaS_2 *Masaro Yoshida (RIKEN (Japan))*
4	15:45 - 16:00	Double-Exchange and RKKY Interactions in Photoinduced Nonequilibrium States in Correlated Magnets *Atsushi Ono (Tohoku University (Japan))*
5	16:00 - 16:15	Exploring large chiral domain patterns generated in magnetic films with high intensity laser induced giant magnetic field pulse *Kamalika Nath (Indian Institute of Technology (India))*
6	16:15 - 16:30	Dynamical phase transition in magnetic skyrmions probed by resistance noise spectroscopy *Takuro Sato (RIKEN Center for Emergent Matter Science (Japan))*

Exhibition Hall - List of posters	
Wednesday 25 September	
We-E-01	Itinerant-localized crossover for 4*f* electrons in cerium-based ternary 122 compounds *Haiyan Lu (Institute of Materials, China Academy of Engineering Physics (China))*
We-E-02	NMR study of superconducting state near H_{c2} in $CeCoIn_5$ for H ∥ c *Takanori Taniguchi (Tohoku University (Japan), Kyoto University (Japan))*
We-E-03	Antiferromagnetic Kondo Lattice Compound Ce_2O_2Bi with Anti-$ThCr_2Si_2$-type Structure *Lei Qiao (ZheJiang University (China))*
We-E-04	Emergence of Kondo Lattice Behavior In a Van Der Waals Itinerant Ferromagnet Fe_3GeTe_2 *Yun Zhang (Science and Technology on Surface Physics and Chemistry Laboratory (China),Tsinghua University (China))*
We-E-05	Theory of Thermal Expansion of the Antiferromagnetic Ordered and Superconducting States in UPt_3 near the Transition Temperatures *Rikio Konno (Kindai University Technical College (Japan))*
We-E-06	Breakdown of Super-Heavy Fermi Liquid in $YbCo_2Zn_{20}$ by Ni substitution *Yasuyuki Shimura (Hiroshima University (Japan))*
We-E-07	Magnetic phase diagram of antiferromagnetic compound $CeNiC_2$ under pressure *Jun Gouchi (University of Tokyo (Japan))*
We-E-08	NMR Study of Characteristic CDW Transition in $SrAl_4$ *Haruo Niki (University of the Ryukyus (Japan))*
We-E-09	Temperature dependence of the Kondo resonance peak in photoemission spectra of rare earth compound $YbMgCu_4$ *Kohei Morikawa (Osaka Prefecture University (Japan))*
We-E-10	NMR Study of Caged Compound $RCo_2Sn_2Zn_{18}$ (R = La and Pr) *Ko-ichi Magishi (Tokushima University (Japan))*
We-E-11	A Tricritical Point Theory of UIrGe *Kazuyuki Matsumoto (Muroran Institute of Technology (Japan))*
We-E-12	Point contact spectroscopic study for pressure dependence of superconducting gap on $CeCoIn_5$ *Masaki Kuninaka (Shimane University (Japan))*
We-E-13	Substitution Effect for Cd site in RT_2Cd_{20} (R=Ce, U) *Koki Takayama (Niigata University (Japan))*

We-E-14	Anisotropic magnetic properties and pressure studies on Ce_5Ge_3 single crystal *Shunsuke Yamada (Niigata University (Japan))*
We-E-15	Following the Inelastic Signals in URu_2Si_2 in Static Magnetic Fields up to 25 T Using Neutron Scattering Technique *Karel Prokes (Helmholtz-Zentrum Berlin (Germany))*
We-E-16	Investigation of topological properties of CeNiSn, CeRhAs, and CeRhSb: hourglass-type crossing and Dirac nodal-loop bulk band structure *Taesik Nam (Pohang University of Science and Technology (Korea))*
We-E-17	Magnon excitations and quantum critical behavior of the ferromagnet $U_4Ru_7Ge_6$ *Magda Bittencourt Fontes (Centro Brasileiro de Pesquisas Fisicas (Brazil))*
We-E-18	Rare-Earth Atomic Motion in RBe_{13} *Satoshi Tsutsui (Japan Synchrotron Radiation Research Institute (Japan))*
We-E-19	Electronic and Magnetic Properties of Caged-Structure Intermetallic Compounds CeT_2Al_{20} (T = Nb, Mo) *Takahiro Namiki (Toyama University (Japan))*
We-E-20	Spatially modulated heavy-fermion superconductivity in $CeIrIn_5$ *Maja Bachmann (Max Planck Institute for Chemical Physics of Solids (Germany), University of St. Andrews (UK))*
We-E-21	Transport Properties of Quantum Critical $CeCo_{0.75}Ni_{0.25}In_5$ *Rahmanto (Ibaraki University (Japan))*
We-E-22	Magnetic Phase Diagram of Helical Magnet $GdBe_{13}$ *Hiroyuki Hidaka (Hokkaido University (Japan))*
We-E-23	Signatures of Rashba and quadrupolar interactions in the centrosymmetric heavy-fermion superconductor $CeRh_2As_2$ *Seunghyun Khim (MPI-CPfS (Germany))*
We-E-24	Temperature-Pressure magnetic phase diagram of Ce_3TiBi_5 *Masahiro Tsubouchi (Shimane University (Japan))*
We-E-25	Heavy fermion state of a new heavy fermion compound $YbNi_2Si_3$ *Shota Nakamura (Nagoya institute of technology (Japan), University of Tokyo (Japan))*
We-E-26	Magnetic-field-induced valence crossover and quantum criticality in the heavy-fermion antiferromagnet $CePt_2In_7$ *Ilya Sheikin (CNRS (France))*
We-E-27	Strong in-plane axial magnetic anisotropy of tetragonal α-$ThSi_2$-type ferromagnetic CeSiAl *Takashi Nishioka (Kochi University (Japan))*

We-E-28	Topological Classification of Non-Hermitian Exceptional Points *Takumi Bessho (Kyoto University (Japan))*
We-E-29	Properties of New Compound $SmNb_2Al_{20}$ and Novel Non-Fermi-Liquid Behavior in Its Sm-diluted System at Low Temperatures *Tomohiko KUWAI (University of Toyama (Japan))*
We-E-30	Quantum Critical Point in a Pure Ferromagnetic Kondo Lattice *Bin Shen (Zhejiang University (China))*
We-E-31	Magnetic and Transport Properties of New Cubic Compounds $Ce_6Mg_{23}Z$ (Z = C, Si, Ge) *Ryota Shibuya (Kobe University (Japan))*
We-E-32	Point contact spectroscopy studies on CeT_2Al_{10}(T=Ru and Os) *Jie Li (Zhejiang University (China))*
We-E-33	Various Fermi liquid phases on the Kondo-Heisenberg model at quarter filling *Hee Seung Kim (KAIST (Korea))*
We-E-34	Single crystal growth and magnetic properties of R_2TGe_6(R = Ce, Pr, T = Cu, Pd) *Tatsushi Yaguchi (Shinshu University (Japan))*
We-E-35	Anomalous ground state properties of SmB_6 – a density functional theoretical study *Anup Pradhan Sakhya (Tata Institute of Fundamental Research (India))*
We-E-36	Spin-orbital-lattice entangled states in cubic d^1 double perovskites *Naoya Iwahara (KU Leuven (Belgium))*
We-E-37	Domain control by stress in the pyrochlore oxide $Cd_2Re_2O_7$ *Satohi Tajima (Tokyo University (Japan))*
We-E-38	Observation of electronic structures in Sr-based iridates by bulk-sensitive photoemission spectroscopy *Koya Nakagawa (Konan University (Japan))*
We-E-39	Phonon Dispersion of Geometrically Frustrated Iridate $Ca_5Ir_3O_{12}$ Investigated by Inelastic X-ray Scattering *Hiroki Hanate (Kyushu Institute of Technology (Japan))*
We-E-40	Non-Fermi Liquid Behavior in Transport Properties of Hole-doped Pyrochlore Iridates *Hironori Nomura (Kyushu Institute of Technology (Japan))*
We-E-41	Competitive Local Structure in Mixed Vanadium Spinel $Fe_{1-x}Mn_xV_2O_4$ *Shin Nakamura (Teikyo University (Japan), Waseda University (Japan))*

We-E-42	Role of two inequivalent Pr^{3+} ions in Pr_3Al_{11} *Sotaro Nishioka (Kochi University (Japan))*
We-E-43	Raman scattering investigation of phonon anomalies on geometrically frustrated $Ca_5Ir_3O_{12}$ *Takumi Hasegawa (Hiroshima University (Japan))*
We-E-44	Hole Doping Dependence on Magnetic Ordering of $(Eu_{1-x}Ca_x)_2Ir_2O_7$ Studied by μSR *Utami Widyaiswari (RIKEN Nishina Center (Japan),Universitas Indonesia (Indonesia))*
We-E-45	Superconducting and magnetic properties of the Ir-rich compounds MIr$_3$ (M = Ce, Th and Nd) *Karolina Gornicka (Gdansk University of Technology (Poland))*
We-E-46	μSR study of magnetic state in hole and electron doped Sr_2IrO_4 *Kazumasa Horigane(Okayama University (Japan))*
We-E-47	Orbiton-Phonon Coupling in Ir^{5+} ($5d^4$) Double Perovskite Ba_2YIrO_6 *Birender Singh (Indian Institute of Technology Mandi (India))*
We-E-48	A first principle study on the role of exchange interactions on spin reorientation transition of $Nd_{0.5}Dy_{0.5}FeO_3$ *Sarita Rajput (Indian Institute of Technology Roorkee (India))*
We-E-49	Possible topological superconductivity in doped locally noncentrosymmetric Mott insulators *Alireza Akbari (APCTP, POSTECH (Korea))*
We-E-50	Magnon Rashba-Dresselhaus Effect in Two-Dimensional Antiferromagnetic Insulators *Masataka Kawano (University of Tokyo (Japan))*
We-E-51	Spin-helix Driven Insuliting Phase in Two Dimensional Lattice *Hyunjun Park (KAIST (Korea))*
We-E-52	Control of Magnetic Interaction in Chiral Compound of $DyNi_3Ga_9$ by Substitution *Shigeo Ohara (Nagoya Institute of Technology (Japan))*
We-E-53	Berry Curvature Observed in Spin Waves in $Nd_2Mo_2O_7$ *Shinichi Itoh (KEK (Japan), J-PARC Center (Japan))*
We-E-54	Thermodynamics of a frustrated square lattice quantum magnet *Kirill Povarov (ETH Zurich (Switzerland))*
We-E-55	Single crystal study on frustrated chain magnet $Rb_2Cu_2Mo_3O_{12}$ *Shohei Hayashida (ETH Zurich (Switzerland))*
We-E-56	Spin-State Ice Phases In Geometrically Frustrated Spin Crossover Materials *Jace Alex Cruddas (University of Queensland (Australia))*

We-E-57	Magnetic order on a Kagome-like lattice *Virgile Favre (EPFL Laboratory for Quantum Magnetism (Switzerland))*
We-E-58	Comparative Study of The Yb-delafossites $NaYbCh_2$ (*Ch*: O, S, Se): Critical Quantum Spin Liquids to Field-induced Magnetic Instabilities *Ranjith Kumar Kizhake Malayil (Max Planck Institute for Chemical Physics of Solids (Germany))*
We-E-59	Magnetic Structure and Spin Waves in the Frustrated Ferro-Antiferro Magnet $Pb_2VO(PO_4)_2$ *Florian Landolt (ETH Zurich (Switzerland))*
We-E-60	Ultrasonic Dispersion in the Hexagonal Ferromagnet $Nd_3Ru_4Al_{12}$ *Takashi Suzuki (Hiroshima University (Japan))*
We-E-61	Magnon Spin-Momentum Locking *Nobuyuki Okuma (Kyoto University (Japan))*
We-E-62	NMR study of magnetic structure in α-CoV_2O_6 *Yu Kawasaki (Tokushima University (Japan))*
We-E-63	Noncoplanar Double-Q State in *d-p* Model with Strong Spin-Charge Coupling *Ryota Yambe (Hokkaido University (Japan))*
We-E-64	Spin Nematic Liquids of Low-Dimensional Quantum Magnets *Toru Sakai (University of Hyogo (Japan), QST SPring-8 (Japan))*
We-E-65	Magnetic Phase Diagram of Geometrically Frustrated Magnetic System ErB_4 under High Pressure *Gabriel Pristas (Centre of Low Temperature Physics (Slovakia))*
We-E-66	Thermodynamic and transport properties of rare-earth triangular lattice compounds $LnZn_3P_3$ (*Ln* = La-Nd, Sm, Gd) *Noriyuki Kabeya (Tohoku University (Japan))*
We-E-67	Magnetization Plateau of the Distorted Diamond Spin Chain *Yuki Ueno (University of Hyogo (Japan))*
We-E-68	Quantum Phase Transition of the Twisted Spin Tube *Yuta Tachibana (Univercity of Hyogo (Japan))*
We-E-70	Single Crystal Growth and Electronic Properties of Mn_2P and Fe_2P *Takao Nakama (University of the Ryukyus (Japan))*
We-E-71	Anomalous Hall Effect in Antiferromagnet $EuNiGe_3$ with Rashba-type Tetragonal Strucuture *Takao Nakama (University of the Ryukyus (Japan))*
We-E-72	Negative Magnetization Effect in $TbNiC_2$ *Masataka Yamamoto (Hokkaido University (Japan))*
We-E-73	Low-temperature Properties of the generalized Kitaev Model *Akihisa Koga (Tokyo Institute of Techonology (Japan))*

We-E-74	Magnetic frustration in the trillium lattice CeIrSi *Ernst Bauer (TU Wien (Austria))*
We-E-75	NMR Measurements on a Triangular-Lattice Antiferromagnet YbCuGe *Akira Oyamada (Kyoto University (Japan))*
We-E-76	^{35}Cl NMR study for anisotropic low-energy magnetic excitations in perfect kagome antiferromagnet Ca-kapellasite *Yoshihiko Ihara (Hokkaido University (Japan))*
We-E-77	Magnetic and transport properties of quasi-two-dimensional semiconductor CeAsSe *BaiJiang Lv (ZHEJIANG University (China))*
We-E-78	Low energy electrodynamics of Kitaev candidate $RuCl_3$ under magnetic field. *Liyu Shi (Peking University (China))*
We-E-79	NMR study of $Na_3Ir_3O_8$ *Gediminas Simutis (Paris-Sud University (France))*
We-E-80	Spin Excitations in the 2D Dipolar Honeycomb Magnet $ErBr_3$ *Christian Wessler (Paul Scherrer Institute (Switzerland))*
We-E-81	Neutron scattering investigations of frustrated quantum magnet $Ba_3CoSb_2O_9$ in magnetic fields up to 25.9 T *Oleksandr Prokhnenko (Helmholtz-Zentrum Berlin (Germany))*
We-E-82	$Ba(TiO)Cu_4(PO_4)_4$ – A neutron scattering journey towards the understanding of a 2D chiral quantum magnet family *Luc Testa (EPFL, Lausanne (Switzerland))*
We-E-83	Low-temperature magnetic properties of the spin-1/2 ferromagnetic Heisenberg chain *Nao Uemoto (Osaka Prefecture University (Japan))*
We-E-84	Field-induced quantum magnetism in the charge-transfer salt [*o*-MePy-V-(*p*-Br)$_2$]$FeCl_4$ *Yoshiki Iwasaki (Osaka Prefecture University (Japan))*

Lobby - List of posters

Wednesday 25 September

We-L-01	Dimensionality, nematicity and superconductivity in Fe-based systems *Kalobaran Maiti (Tata Institute of Fundamental (India))*
We-L-02	Possible valence skipping superconductivity in doped Dirac metal *Kaya Kobayashi (Okayama University (Japan))*
We-L-03	Features of chirality generated by paramagnetic supercurrents in a magnetic field in the 3K-phase of Sr_2RuO_4 *Hirono Kaneyasu (University of Hyogo (Japan))*
We-L-04	Effects of spin-orbit coupling on a superconductor with Bogoliubov Fermi surfaces *Henri Menke (University of Otago (New Zealand))*
We-L-05	*H–T* Phase Diagram and Electronic Structure of $Eu(Fe_{1-x}Rh_x)_2As_2$ *Darren C. Peets (Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences (China))*
We-L-06	Itinerancy and Localization of *d*-Wave Superconducting State in Two-Dimensional Impurity Hubbard Model *Ryo Sato (Tohoku University (Japan))*
We-L-07	Universal T_c–θ scaling in iron-based superconductor $BaFe_2(As_{1-x}P_x)_2$ *Shunsaku Kitagawa (Kyoto University (Japan))*
We-L-08	Interlayer Charge Dynamics of High-Quality Fe(Te,Se) Single Crystals in the Normal and Superconducting States *Haruhisa Kitano (Aoyama Gakuin University (Japan))*
We-L-09	Single Crystal Growth and Superconductivity of FeSe under Pressure *Kiyotaka Miyoshi (Shimane University (Japan))*
We-L-10	Physical properties of quasiperiodic superconductors *Nayuta Takemori (Okayama University (Japan))*
We-L-11	Exotic superconductivity in quasicrystals under magnetic field *Shiro Sakai (RIKEN (Japan))*
We-L-12	Two-Fold-Symmetric Magnetization in Signal Crystals of Tetragonal BiCh_2-based Superconductor $LaO_{0.5}F_{0.5}BiSSe$ *Kazuhisa Hoshi (Tokyo Metropolitan University (Japan))*
We-L-13	Unconventional Gapless Superconductivity at the Quantum Critical Point in $CeRh_{0.5}Ir_{0.5}In_5$ *Shinji Kawasaki (Okayama University (Japan))*
We-L-14	Nature of Superconducting Fluctuation in Photo-excited Systems *Ryuta Iwazaki (Saitama University (Japan))*

We-L-15	^{75}As-NMR/NQR studies on new iron-arsenide superconductor $LaFe_2As_2$ emerged in heavily electron-doped regime *Takayoshi Kouchi (Osaka University (Japan))*
We-L-16	^{11}B NMR studies of *R*NiBC system *P L Paulose (Tata Institute of Fundamental Research (India))*
We-L-17	Chemical substitution effect in a possible topological superconductor *Takeshi Takahashi (Okayama University (Japan))*
We-L-18	Misfit chalcogenide superconductors: $(BiSe)_{1+\delta}(NbSe_2)_m$ *Masaharu Shirata (Okayama University (Japan))*
We-L-19	Pressure-induced superconductivity and topological quantum phase transitions in topological materials *Yanpeng Qi (ShanghaiTech University (China))*
We-L-20	Spin-Orbital Hallmarks of Unconventional Superconductors Without Inversion Symmetry *Yuri Fukaya (Nagoya University (Japan))*
We-L-21	Field angular dependence of upper critical field in topological semimetals WTe_2 and $MoTe_2$ under high pressure *Kwing To Lai (The Chinese University of Hong Kong (Hong Kong))*
We-L-22	A Single Full Gap with Mixed Type-I and Type-II Superconductivity on Surface of the Type-II Dirac Semimetal $PdTe_2$ by Point-contact Spectroscopy *Tian Le (Zhejiang University (China))*
We-L-23	Topological *d*+*s* wave superconductors in a multi-orbital quadratic band touching system *GiBaik Sim (Korea Advanced Institute of Science and Technology (Korea))*
We-L-24	Twofold Symmetric Electronic Structure of Vortex in Type II Superconductors *Yasuaki Sera (Okayama University (Japan))*
We-L-25	Tuning of Carrier Concentration by Chemical Doping to Ni-sites in High-T_c Candidate $R_4Ni_3O_8$ (R = Pr, Nd) *Tomonori Miyatake (Yokohama National University (Japan))*
We-L-26	T_c variation of Niobium thin films with strain and ionic liquid gating *Joonyoung Choi (Kyungpook National University (Korea))*
We-L-27	Pauli paramagnetic effect in Spin-Triplet Superconductors with Spin-Orbit Coupling: Application to Sr_2RuO_4 *Koushi Oda (Okayama University (Japan))*
We-L-28	Quasi-one-dimensional nanoscale modulation as sign of nematicity in iron pnictides and chalcogenides *Alireza Akbari (POSTECH (Korea))*

We-L-29	^{77}Se-NMR studies of the iron-based superconductor FeSe under high pressure *Yoshiaki Kobayashi (Nagoya University (Japan))*
We-L-30	Local NMR Relaxation Rates T_1^{-1} and T_2^{-1} in the Vortex State of Chiral and Helical *p*-Wave Superconductors *Masanori Ichioka (Okayama University (Japan))*
We-L-31	Vortex-core charging of the Abrikosov lattice in type-II superconductors *Marie Ohuchi (Hokkaido University (Japan))*
We-L-32	Dissapearance of in-plane local magnetic anisotropy below 6 K in the odd-parity superconductor UPt_3: Pt-NMR studies *Hideki Tou (Kobe University (Japan))*
We-L-33	Superconductivity of Heavy Electrons with Semi-Metallic Conduction Bands: Bulk Properties and Effects of Non-Uniformity *Shoma Iimura (Saitama University (Japan))*
We-L-34	Superconductivity in $YbRh_2Si_2$ *Lev Levitin (Royal Holloway, University of London (UK))*
We-L-35	Spatial Inhomogeneous Deformation of the Moving Magnetic Skyrmion Lattice in MnSi under Electric Current Flow *Daisuke Okuyama (Tohoku University (Japan))*
We-L-36	Higher-Order Topological Mott Insulator on the Kagome Lattice *Koji Kudo (University of Tsukuba (Japan))*
We-L-37	Symmetry-Protected Exceptional Rings in Two Dimensions *Tsuneya Yoshida (University of Tsukuba (Japan))*
We-L-38	Magnetotransport properties of the half Heusler topological semimetals *Re*PtBi *Fan Wu (Zhejiang University (China))*
We-L-39	Z_4 Berry phase for the higher-order topological phases on a square lattice *Hiromu Araki (University of Tsukuba (Japan))*
We-L-40	Hall effect from thermally induced scalar spin chirality in manganite thin films *Kamil Krzysztof Kolincio (RIKEN Center for Emergent Matter Science (Japan), Gdansk University of Technology (Poland))*
We-L-41	Pressure-induced Superconductivity in $Bi_{1-x}Sb_x$(x = 0.5) *Ayako Ohmura (Niigata University (Japan))*
We-L-42	The de Haas-van Alphen Effect Study of the Fermi Surface of LaBi *Amit Vashist (IISER, Mohali (India))*
We-L-43	Magnetotransport Properties Of Correlated Topological Nodal-line Semimetal YbCdGe *Antu Laha (Indian Institute of Technology, Kanpur (India))*

We-L-44	Topology of Materials and Spin-Resolved Quantum Oscillation *Yuki Fuseya (University of Electro-Communications (Japan))*
We-L-45	Numerical Investigation of Topological Superconductivity in Flux Lattice *Gun Sang Jeon (Ewha Womans University (Korea))*
We-L-46	Point-contact spectroscopy study of Kondo insulator SmB_6 *Takurou Harada (Kyushu University (Japan))*
We-L-47	Anomalous Thermoelectric Transport in Kagome-lattice Semimetal $Co_3Sn_2S_2$ *Linchao Ding (Huazhong University of Science and Technology (China))*
We-L-48	Observation of Antiferromagnetic Topological Insulator Phase in Sm-doped Bi_2Te_3 System *Jin-Hyun Jun (Sogang University (Korea))*
We-L-49	Structure and Dynamics in Multiferroic Skyrmion GaV_4S_8 *William Ratcliff (NIST Center for Neutron Research (United States of America))*
We-L-50	Magnetotransport Properties of Plausible Topological Semimetal HoPtBi *Orest Pavlosiuk (Institute of Low Temperature and Structure Research, Polish Academy of Sciences (Poland))*

Atrium - List of posters	
Wednesday 25 September	
We-A-01	Multi-stage Kondo effect *Mikhail Kiselev (ICTP (Italy))*
We-A-02	Emergent Coherent Lattice Behavior in Kondo Nanosystems: Quantum Monte Carlo Study *Marcin Raczkowski (University of Wuerzburg (Germany))*
We-A-03	Effects of Tunneling-coupling Asymmetries on Fermi-liquid Transport through an Anderson Impurity *Kazuhiko Tsutsumi (Osaka City University (Japan))*
We-A-04	Local multiplet structure and emergence of spin in graphene with a single vacancy *Tomonori Shirakawa (RIKEN Center for Computational Science (Japan))*
We-A-05	Three body correlations in a non-equilibrium current through an SU(N) Anderson impurity at arbitrary fillings *Yoshimichi Teratani (Osaka City University (Japan))*
We-A-06	Higher-order Fermi-liquid corrections for thermo-electric transport through an Anderson impurity *Akira Oguri (Osaka City University (Japan))*
We-A-07	STM/STS observations on Kondo semiconductor $CeOs_2Al_{10}$ *Akira Sugimoto (Hiroshima University (Japan))*
We-A-09	Mott phase and defect manipulation in a van der Waals transition-metal halide at single layer limit *Yingshuang Fu (Huazhong University of Science and Technology (China))*
We-A-10	Superconductivity in $IrIn_2$: A Comparative Study of $IrIn_2$ and $CoIn_2$ *Minoru Nohara (Okayama University (Japan))*
We-A-11	Honeycomb Lattice Type CDW Associated with Interlayer Cu Ions Ordering in $Cu_{0.33}TiSe_2$ *Shunsuke Kitou (Nagoya University (Japan), Institute for Molecular Science (Japan))*
We-A-12	^{195}Pt-NMR Study on Pt Nanoparticles *Tomonori Okuno (Kyoto University (Japan))*
We-A-13	Anisotropic Magnetic-Field-Induced Phases in Cubic Chiral Antiferromagnet EuPtSi *Tetsuya Takeuchi (Osaka University (Japan))*

We-A-14	Strongly competing interaction as a possible driving force of valley and spin polarization in magic-angle twisted bilayer graphene *Masayuki Ochi (Osaka University (Japan))*
We-A-15	ESR Spectroscopy of Two-Dimensional van der Waals Magnets *Vladislav Kataev (Leibniz Institute for Solid State and Material Physics (Germany))*
We-A-16	Tuning of Luttinger Semimetal into Magnetic Weyl Semimetal in an Epitaxial Thin Film of Pyrochlore Iridate *Takumi Ohtsuki (University of Tokyo (Japan))*
We-A-17	Graphite in 90 T: Evidence for Strong-Coupling Excitonic Pairing *Zengwei Zhu (Huazhong University of Science and Technology (China)*
We-A-18	Magnetic properties of new antiferromagnetic compound of Ce_3ZrBi_5 *Gaku Motoyama (Shimane University (Japan))*
We-A-19	Rattling Behavior in a Simple Perovskite $NaWO_3$ *Hiroshi Takatsu (Kyoto University (Japan))*
We-A-20	Physical properties of Li-based $LiPd_2M$ Heusler compounds (M = Si, Ge, Sn) *Tomasz Klimczuk (Princeton University (USA))*
We-A-21	*4f* Conduction in the Semiconductor SmN *William Holmes-Hewett (VIctorian University of Wellington)*
We-A-22	Pressure-tuning the crystalline structure and magnetic properties of the $N_{50}Mn_{35}In_{15}$ Heusler compound *Ricardo Donizeth Dos Reis (Brazilian Center for Research in Energy and Materials (Brazil))*
We-A-23	Colossal Magnetoresistance and Giant Magnetocaloric Effect in $Eu_{1-x}La_xTiO_3$ (x = 0 -0.1) *Ramanathan Mahendiran (National University of (Singapore))*
We-A-24	Conductivity and Superconductivity of Uranium-based Thin Films *Evgenia Chitrova (Charles University in Prague (Czech Republic), Institute of Physics, Czech Academy of Sciences (Czech Republic))*
We-A-25	Superconductivity in layered tin pnictides *Yosuke Goto (Tokyo Metropolitan University (Japan))*
We-A-26	Physical Properties of Novel material TmB_6 Synthesized by Molecular Beam Epitaxy Method *Masahito Yoshizawa (Iwate University (Japan))*
We-A-27	Carrier-doping to a narrow gap semiconductor PtGeS *Shun Takenaka (Yokohama National University (Japan))*
We-A-28	Study of Berry phase in the low-frequency pocket of nodal-line semimetals ZrSiS and HfSiS *Mario Novak Novak (Zagreb University (Croatia))*

We-A-29	Magnetic nature of the novel mixed-valence manganese oxide $KMg_4Mn_6O_{15}$ *Hirotaka Okabe (KEK (Japan))*
We-A-30	Local *3d* electronic states of sulfur-coordinating Ni complexes probed by soft X-ray absorption spectroscopy *Kohei Yamagami (University of Tokyo (Japan),Osaka University (Japan))*
We-A-31	Chemical Composition and Atomic Order of NiMnSb Single Crystal *Tadashi Fukuhara (Toyama Prefectural University (Japan))*
We-A-32	Electronic properties of Ruddlesden-Popper phase V and Cr oxides *Hiroya Sakurai (National Institute for Materials Science (Japan))*
We-A-33	Superconductivity of $NdOBiS_2$ by Substitution of the Mixed Valence Ce^{3+}/Ce^{4+} *Naoki Kase (Tokyo University of Science (Japan))*
We-A-34	Metal-insulator PhaseTransition in $A_3Re_2O_9$ (A =Ba, Sr) *Daisuke Urushihara (Nagoya Institute of Technology (Japan))*
We-A-35	The Influence of Composition on the Magnetic Phases of Non-collinear Antiferromagnet Mn_3Sn *Muhammad Ikhlas (The University of Tokyo (Japan))*
We-A-36	Metamagnetic Transition and Magnetocaloric Effect in PrMnGe *Naohito Tsujii (National Institute for Materials Science (Japan))*

Thursday 26 September

Plenary Talk	***Chair: Y. Onuki***	**Convention Hall (3F)**
08:30 - 09:15	Superconductivity in Ce- and Yb-based heavy fermion systems: recent surprises and discoveries *Christoph Geibel (Max Planck Institute for Chemical Physics of Solids (Germany))*	

Plenary Talk	***Chair: H. von. Löhneysen***	**Convention Hall (3F)**
09:15 - 10:00	Emergent Phenomena from Topological Spin Excitations *Yoshinori Tokura (RIKEN Center for Emergent Matter Science (Japan), University of Tokyo (Japan))*	

10:00 - 10:30 **Coffee Break**

10:30 - 12:30		**Oral Presentation**
Th-AM-3F Iron-based superconductors I: Nematicity		**Chair:** ***H. H. Wen*** **Convention Hall (3F)**
1	10:30 - 11:00	Time-reversal symmetry breaking in the nematic superconductor FeSe *Takasada Shibauchi (University of Tokyo (Japan))*
2	11:00 - 11:30	Observation of orbital density wave in Fe superconductors by ultra-high-resolution Laser-PEEM *Shik Shin (University of Tokyo (Japan))*
3	11:30 - 11:45	Elastoresistance Measurements of Iron-based Superconductors in Large Magnetic Fields *Johanna Palmstrom (Stanford University (United States of America), SLAC National Accelerator Laboratory (United States of America))*
4	11:45 - 12:00	Symmetric and Orthogonal Antisymmetric Strain as Tuning Parameters for the Nematic and Magnetic Phase Transitions in Underdoped Fe-based Superconductors *Thanapat Worasaran (Stanford University (United States of America)*
5	12:00 - 12:15	Probing the driving mechanism for superconductivity in FeSe *Seung-Ho Baek (Changwon National University (Korea))*

6	12:15 - 12:30	Origin of Diverse Nematicity in Fe-based superconductors: B_{2g} bond order in AFe$_2$As$_2$(A=Cs, Rb) and antiferro-nematic order in Ba122 compounds *Hiroshi Kontani (Nagoya University (Japan))*

10:30 - 12:30		**Oral Presentation**
Th-AM-2F Quantum magnetism and Frustration II		**Chair:** ***H. Tanaka*** **Reception Hall (2F)**
1	10:30 - 11:00	Hall Responses in Larger Spin Quantum Magnets *Judit Romhanyi (UCI (United States of America))*
2	11:00 - 11:30	Quantum Spin Liquids in Dipolar-Octupolar Pyrochlores *Owen Benton (RIKEN (Japan))*
3	11:30 - 11:45	Magnetically driven nematic order without long-range magnetic order in a frustrated noncentrosymmetric antiferromagnetic system *Hilbert von. Löhneysen (Karlsruhe Institute of Technology (Germany))*
4	11:45 - 12:00	Frustration-induced Quantum Criticality in Quasikagome Kondo Lattice Ce Compounds *Toshiro Takabatake (Hiroshima University (Japan))*
5	12:00 - 12:15	Probing Emergent Excitations in $Pr_2Hf_2O_7$ with Thermal Conductivity *Jennifer Reid (University of Waterloo (Canada))*
6	12:15 - 12:30	Quantized Excitation Spectra by Confinement in (Quasi-) One-Dimensional S=1 Quantum Spin Systems *Seiichiro Suga (University of Hyogo (Japan))*

10:30 - 12:30		**Oral Presentation**
Th-AM-1E Quantum criticality and superconductivity in Kondo-lattice systems		**Chair:** ***K. Ishida*** **Event Hall East (1F)**
1	10:30 - 11:00	Quantum criticality in ferromagnetic Kondo lattices *Manuel Brando (Max Planck Institute for Chemical Physics of Solids (Germany))*
2	11:00 - 11:30	Quantum Criticality and Fermi surface instabilities in the ferromagnetic superconductor UCoGe *Gaël Bastien (Université Grenoble Alpes (France), Leibniz-Institut für Festkörper- und Werkstoffforschung (Germany))*

3	11:30 - 12:00	Möbius Topological Superconductivity in UCoGe *Youichi Yanase (Kyoto University (Japan))*
4	12:00 - 12:30	Quantum Critical Behavior of a Partially Frustrated Kondo-Lattice System *Kai Grube (Karlsruher Institut fuer Technologie (Germany))*

10:30 - 12:30		**Oral Presentation**
The Nevill F. Mott Prize Talk		**Chair:** ***H. O. Jeschke*** **Event Hall West (1F)**
	10:30 - 11:00	From Disordered Weyl Semimetals to Magic-Angle Graphene *Jedediah H. Pixley (Rutgers University (United States of America))*
Th-AM-1W Theory of strongly correlated system I		**Chair:** ***H. O. Jeschke*** **Event Hall West (1F)**
1	11:00 -11:30	Tensor Network Renormalization of Quantum Spin Liquid *Tao Xiang (Chinese Academy of Sciences (China))*
2	11:30 - 11:45	Functional Renormalization Group for Strongly Interacting Fermi Systems *Demetrio Vilardi (Max Planck Institute for Solid State Research (Germany))*
3	11:45 - 12:00	Two-Channel Kondo Effect Emerging from Np and Pu Ions *Takashi Hotta (Tokyo Metropolitan University (Japan))*
4	12:00 - 12:15	Machine learning for solving strongly-correlated systems *Yusuke Nomura (RIKEN Center for Emergent Matter Science (Japan))*
5	12:15 - 12:30	Organic antiferromagnet as a spin current generator *Makoto Naka (Waseda University (Japan))*

12:30 - 14:00	**Lunch Break**

14:00 - 16:00		**Oral Presentation**
Th-PM-3F Correlated topological materials		**Chair:** ***Y. Kasahara*** **Convention Hall (3F)**
1	14:00 - 14:30	TBA *Stuart S. P. Parkin (Halle-Wittenberg (Germany))*
2	14:30 - 15:00	Robustness of the Insulating Bulk and the Conducting Surface in the Topological Kondo Insulator SmB_6 *Cagliyan Kurdak (University of Michigan (United States of America))*

3	15:00 - 15:30	Extended skyrmion states in high-temperature chiral magnets *Kosuke Karube (RIKEN Center for Emergent Matter Science (Japan))*
4	15:30 - 15:45	New Surface Atomic Structures on The Topological Kondo Insulator SmB_6 *Yoshiyuki Ohtsubo (Osaka University (Japan))*
5	15:45 - 16:00	Quantum Oscillations in Electrical Resistivity in Kondo Insulators *Lu Li (University of Michigan (United States of America))*

14:00 - 16:00		**Oral Presentation**
Th-PM-2F Large transverse responses in noncollinear antiferromagnets		**Chair:** ***C. L. Broholm*** **Reception Hall (2F)**
1	14:00 - 14:30	Anomalous transverse thermal and thermoelectric response in topolpological magnets *Kamran Behnia (ESPCI (France))*
2	14:30 - 15:00	Cluster multipole dynamics in noncollinear antiferromagnets *Ryotaro Arita (University of Tokyo (Japan), RIKEN (Japan))*
3	15:00 - 15:30	Magnetoelectric effects in anomalous Hall antiferromagnets *Hua Chen (Colorado State University (United States of America))*
4	15:30 - 16:00	Topological Responses in Magnetic Weyl Metals *Takahiro Tomita (The University of Tokyo (Japan)*

14:00 - 16:00		**Oral Presentation**
Th-PM-1E Twisted graphene		**Chair:** ***D. Agterberg*** **Event Hall East (1F)**
1	14:00 - 14:30	Quantum Transport in hBN/Graphene Superlattices *Takuya Iwasaki (National Institute for Materials Science (Japan))*
2	14:30 - 15:00	Modeling Twisted Bilayer Graphene *Hoi Chun Po (Massachusetts Institute of Technology (United States of America))*
3	15:00 - 15:30	Physics of twisted bilayer graphenes and van der Waals heterostructures *Mikito Koshino (Osaka University (Japan))*
4	15:30 - 15:45	Charge-transfer insulation in twisted bilayer graphene *Paula Mellado (Adolfo Ibanez University (Chile))*

5	15:45 - 16:00	Unconventional superconductivity in a two-orbital model of twisted bilayer graphene and its relation to high-T_c cuprates *Maciej Fidrysiak (Jagiellonian University (Poland))*

14:00 - 16:00		**Oral Presentation**
Th-PM-1W New materials: bulk, thin films and artificial structures		**Chair:** ***E. D. Bauer*** **Event Hall West (1F)**
1	14:00 - 14:30	Discovery of new Multidimensional Kagomé and Spin Liquid Materials *Tyrel M McQueen (Johns Hopkins University (United States of America))*
2	14:30 - 15:00	Quasicrystals as a new platform of valence fluctuation systems *Tsutomu Ishimasa (Toyota Physical & Chemical Research Institute (Japan))*
3	15:00 - 15:30	Conduction Electrons in Aperiodic vs. Periodic Structures: the Case of Quasicrystalline i-Y(Gd)-Cd and its Approximant Y(Gd)Cd_6 *Marcos A. Avila (UFABC (Brazil))*
4	15:30 - 16:00	The extraordinary superconductivity of high entropy alloy and NbTi alloy against megabar pressure *Liling Sun (Institute of Physics, Chinese Academy of Sciences (China))*

Exhibition Hall - List of posters	
Thursday 26 September	
Th-E-01	Valence Fluctuations in The Mixed Valence Compound YbPd: Insights from High-field NMR *Yusuke Nakai (University of Hyogo (Japan))*
Th-E-02	Soft x-ray ARPES study of the Kondo semiconductor of $CeOs_2Al_{10}$ *Takayoshi Yokoya (Okayama University (Japan))*
Th-E-03	Ultrasound investigation of the Eu-based mixed valence system $EuRh_2Si_2$ *Yoshiki Nakanishi (Iwate University (Japan))*
Th-E-04	Fabrication and Evaluation of SmB_6/SrB_6 Artificial Superlattices *Hiroaki Shishido (Osaka Prefecture University (Japan))*
Th-E-05	Lattice dynamics and X-ray scattering studies of low temperature crystal- lattice modulation in CeSb *Luigi Paolasini (European Synchrotron Radiation Facility (France))*
Th-E-06	Magnetic Field-Tuned Valence Transition in $CeOs_4Sb_{12}$ *Matthew Pearce (University of Warwick (UK))*
Th-E-07	Intermediate valence state of the Sm and Eu in SmB_6 and $EuCu_2Si_2$: neutron spectroscopy data and analysis *Pavel Serveevich Savchenkov (National Research Nuclear University "MEPhI" (Russia), National Research Center "Kurchatov Institute" (Russia))*
Th-E-08	Charge Kondo Effect induced by valence skipping dopants in $Pb_{1x}Tl_xTe$ probed by ^{125}Te- and ^{205}Tl-NMR *Mitsuharu Yashima (Osaka University (Japan))*
Th-E-09	Material Design of Novel Functional Rare-Earth Dodecaborides by High-Pressure Synthesis and Their Physical Properties *Fumitoshi Iga (Ibaraki University (Japan))*
Th-E-10	Single-crystal Growth and De Haas-van Alphen Effect in $CeIr_2$ *Kazuyuki Omasa (Kobe University (Japan))*
Th-E-11	Theoretical investigation on 4*f* electron character of $CeIn_3$ and $CeSn_3$ by means of 3*d*-4*f* inelastic resonant X-ray scattering *Norimasa Sasabe (Japan Synchrotron Radiation Research Institute (Japan))*
Th-E-12	Transport properties of heavy-fermion amorphous (Ce,Y)-Mn alloys *Yusuke Amakai (Muroran Institute of Technology (Japan))*
Th-E-13	Magnetic impurities in a large-spin Fermi gas *Qiang Gu (University of Science and Technology Beijing (China))*

Th-E-14	Anisotropic magnetic properties of single crystalline rare earth intermetallic compound $EuAu_{1.8}Al_4Ge_{1.2}$ *Sudesh Kumar Dhar (Tata Institute of Fundamental Research (India))*
Th-E-15	Anisotropic response of strongly correlated electronic behavior to magnetic field in $SmAu_3Al_7$ with anisotropic cage structure *Ryuji Higashinaka (Tokyo Metropolitan University (Japan))*
Th-E-16	Point-Contact Spectroscopy Study of YbPd/W Interface *Masanobu Shiga (Kyushu University (Japan))*
Th-E-17	Antiferromagnetism and valence fluctuation of $EuCd_{11}$ at high pressure *Tomoko Kagayama (Osaka University (Japan))*
Th-E-18	Electrical resistivity measurements and structual studies of Kondo semiconductor YbB_{12} over 200 GPa *Yusuke Hatashima (Osaka University (Japan))*
Th-E-19	Pressure-induced valence transition of $EuPd_2Ge_2$ *Itsuki Miyatani (Osaka University (Japan))*
Th-E-20	Yb Magnetic Instability in Some Undoped Kondo Lattices as Studied by Electron Spin Resonance *Vladimir Alexeevich Ivanshin (Kazan Federal University (Russia), Kazan State Power Engineering University (Russia))*
Th-E-21	RG flows and bifurcations in the O(N) $\mid \Phi \mid^6$ Chern-Simons gauge model *Said Sakhi (American University of Sharjah (United Arab Emirates))*
Th-E-22	Pressure-Induced Restoration of the Reversed Crystal-Field Splitting in α-Sr_2CrO_4 *Yukinori Ohta (Chiba University (Japan))*
Th-E-23	Pressure effects on the Upper Critical Field of the Ferromagnetic Superconductor Y_9Co_7 *Harim Jang (Sungkyunkwan University (Korea))*
Th-E-24	Pressure Effect on the Uranium-based Ferromagnet U_3Pt_4 Single Crystal *Yuichiro Noma (Kobe University (Japan))*
Th-E-25	x_c and x_{opt} in Cuprate Superconductors *Juergen Roehler (Universität zu Köln (Germany))*
Th-E-26	Critical Phonon Softening Near a Structural Instability in the Quantum Critical System $Lu(Pt_{1-x}Pd_x)_2In$ *Thomas Gruner (University of Cambridge (UK))*
Th-E-27	Metamagnetic Quantum Critical End Points in $CePtIn_4$ *Debarchan Das (Institute of Low Temperature and Structure Research (Poland))*

Th-E-28	Non-Fermi-Liquid Behavior in Heavy Fermion System $Ce(Cu_{1-x}Co_x)_2Ge_2$: Investigated Using μSR Technique *Rajesh Tripathi (Indian Institute of Technology Kanpur (India))*
Th-E-29	Spin-polarized Kondo regimes of a frustrated trimer *Krzysztof Piotr Wójcik (University of Bonn (Germany), Institute of Molecular Physics PAS (Poland))*
Th-E-30	Lattice thermal conductivity under charge density wave *Jae Hyun Yun (Kyung Hee University (Korea))*
Th-E-31	Nature of structural instabilities in superconducting $(Ca, Sr)_3T_4Sn_{13}$(T =Rh, Ir) *Koji Kaneko (Japan Atomic Energy Agency (Japan))*
Th-E-32	Dynamical ω/T Scaling of Charge and Spin Responses at a Kondo Destruction Quantum Critical Point *Haoyu Hu (Rice University (United States of America))*
Th-E-33	Thermal Conductivity and Specific Heat of $EuRh_2Si_2$ Under Pressure *Shijo Nishigori (Shimane University (Japan))*
Th-E-34	High-pressure Hall effect measurement on Ta_2NiSe_5 as a candidate for excitonic insulator *Hiroto Arima (The University of Electro-Communications (Japan))*
Th-E-35	Universal renormalization group flow toward perfect Fermi-surface nesting driven by enhanced electron-electron correlations in monolayer vanadium diselenide *Iksu Jang (Pohang University of Science and Technology (Korea))*
Th-E-36	Linear Magnetoresistance of the Helical Antiferromagnet Al-CrAs *Sungmin Park (Sungkyunkwan University (Korea))*
Th-E-37	Spontaneous Breaking of Rotational Symmetry Induced by Backscattering Interaction in a Bond-Alternated Two-Dimensional Electron System *Yu Takeoka (Tokyo University of Science (Japan))*
Th-E-38	Variation of the electronic properties of $CeRhSi_3$ by substitution and hydrostatic pressure *Jaroslav Valenta (Charles University (Czech Republic))*
Th-E-39	Magnetic properties of $La_{1-x}Y_xMnSi$ compounds within the DFT+DMFT *Alexey Dyachenko (M.N. Miheev Institute of Metal Physics of UrB RAS (Russia))*
Th-E-40	Pressure-Temperature Phase Diagram of α-Mn *Takaaki Sato (Okayama University (Japan))*

Th-E-41	Phase transition from a Mott to an Anderson state in elemental vacancy-doped tellurium under pressure *Elisa Baggio Saitovitch (CBPF-Centro Brasileiro de Pesquisas Físicas (Brazil))*
Th-E-42	Quantum instability in the ultrastrong coupling regime of the Dicke model *Hiroki Majima (Salesian Polytechnic (Japan))*
Th-E-43	Magnetic Properties of $EuCo_2P_2$ under High Pressures *Tetsuya Fujiwara (Yamaguchi University (Japan))*
Th-E-44	Investigation of Spin-Phonon Coupling in $Cd_2Os_2O_7$ *Taehun Kim (Seoul National University (Korea),Center for Correlated Electron Systems, Institute for Basic Science (Korea))*
Th-E-45	Successive Symmetry Breaking in a Spin-Orbit Entangled Mott Insulator Ba_2MgReO_6 *Daigorou Hirai (University of Tokyo (Japan))*
Th-E-46	Electric Field Driven Metal-Insulator and Simultaneous Magnetic Transitions in $SrIrO_3$ Ultra-Thin Films *Carmen Munoz (Instituto de Ciencia de Materiales de Madrid, Consejo Superior de Investigaciones Cientificas (Spain))*
Th-E-47	Pressure Induced Fermi Surface Modification in Topological Nodal line Semimetal $NbSb_2$ *Dilip Bhoi (University of Tokyo (Japan),Seoul National University (Korea))*
Th-E-48	Substitution effect of the electronic structure of layered Iridium oxides from hard X-ray photoemission spectroscopy *Shunsuke Tsuda (NIMS (Japan))*
Th-E-49	Magnetization density distribution of Sr_2IrO_4 : Deviation from a local j_{eff} =1/2 picture *Jaehong Jeong (Seoul National University (Korea), Laboratoire Léon Brillouin, CEA-CNRS (France))*
Th-E-50	Enhancement of Edelstein effect in edge states of *d*-wave superconductors *Yuhei Ikeda (Kyoto University (Japan))*
Th-E-51	Changes in Magnetic Properties of Ir^{4+} in $(Y_{0.95-x}Cu_{0.05}Ca_x)_2Ir_2O_7$ wirh Doped Holes Revealed by the Muon Spin Relaxation *Isao Watanabe (RIKEN (Japan))*
Th-E-53	Quantum Transport Properties on Chemically Etched (0001) Surface of Tellurium *Kazuto Akiba (Okayama University (Japan))*

Th-E-54	Measurements of the thermoelectric characteristics of the BiS_2-layered compounds *Takehiro Tsuchiya (Tokyo University of Science (Japan))*
Th-E-55	Hydrostatic Pressure Effect in the Hole and Non-Doping LaOBiSSe *Katsuo Kondo (Tokyo University of Science (Japan))*
Th-E-56	Angle-resolved photoemission study on TSi$_2$(T = Ta, Nb, V) *Takahiro Ito (Nagoya University (Japan))*
Th-E-57	Magnetic Excitaion on a Metallic Antiferromagnet $CeRh_2Si_2$ *Hiraku Saito (KEK (Japan))*
Th-E-58	Fluctuation Effect of the Parity-Breaking Order in the Hall Effect of $Cd_2Re_2O_7$ *Tatsuo C. Kobayashi (Okayama University (Japan))*
Th-E-59	Probing the J_{eff} = 0 Ground State and the Van Vleck Paramagnetism of the Ir^{5+} Ions in Layered $Sr_2Co_{0.5}Ir_{0.5}O_4$ *Stefano Agrestini (Max Planck Institute for Chemical Physics of Solids (Germany))*
Th-E-60	Coupled Spin-Charge-Phonon Fluctuation in the All-In/All-Out Antiferromagnet $Cd_2Os_2O_7$ *Akihiro Koda (KEK (Japan))*
Th-E-61	Field tuning to a spin liquid phase in the Kitaev material Na_2IrO_3 *Vikram Tripathi (Tata Institute of Fundamental Research, Mumbai (India))*
Th-E-62	Effects of Disorder and Pressure in $CoAl_2O_4$ *Takashi Naka (National Institute for Materials Science (Japan))*
Th-E-63	Complex Magnetism In Noncentrosymmetric EuPtAs *Wu Xie (Zhejiang University (China))*
Th-E-64	Paratacamite Polymorphs: How Different Symmetries Affect the Magnetic Interactions and Ground State Properties of 2D Magnets *Kirrily Clair Rule (ANSTO (Australia))*
Th-E-65	Magnetic and Electrical Anisotropy with Correlation and Orbital Effect in Dimerized Honeycomb Ruthenate Li_2RuO_3 *Seokhwan Yun (Seoul National University (Korea), IBS-CCES (Korea))*
Th-E-66	Tensor Network Study of the Stability of the Kitaev Spin Liquid *Ryui Kaneko (University of Tokyo (Japan))*
Th-E-67	Amplitude Modulation of Magnetic Moments in the Triangular Antiferromagnet $CePtAl_4Ge_2$ *Soohyeon Shin (Sungkyunkwan University (Korea))*

Th-E-68	Quantum and Thermal Phase Diagrams of the Triangular-Lattice SU(3) Heisenberg Model in a Magnetic Field *Chihiro Suzuki (Aoyama Gakuin University (Japan))*
Th-E-69	Growth of Single Crystal and Physical Properties of Ytterbium Sulfide $KYbS_2$ with Triangular Lattice *Ryosuke Iizuka (Saitama University (Japan))*
Th-E-70	Synthesis of cobalt carbide nanoparticle composite and its anomalous transport behavior at low temperature *Nirmal Roy (Indian Instute of Technology, Kanpur (India))*
Th-E-71	Gapped Spin Liquid and Localized Fermionic Excitations of Spin Defects in Honeycomb Iridate $H_3LiIr_2O_6$ *Yosuke Matsumoto (Max Planck Institute for Solid State Research (Germany))*
Th-E-72	Magnetic Frustration in a Metallic fcc Lattice: $HoInCu_4$ *Veronika Fritsch (Augsburg University (Germany))*
Th-E-73	Dynamical DMRG Study of Spin Excitation Dynamics on the Triangular Lattice Antiferromagnetic Heisenberg model *Shigetoshi Sota (RIKEN (Japan))*
Th-E-74	NMR study for the breathing kagome antiferromagnet, $Li_2Cr_3SbO_8$ *Koki Arashima (Hokkaido University (Japan))*
Th-E-75	Nanometric square skyrmion lattice in a centrosymmetric non-frustrated magnet *Khanh Duy Nguyen (RIKEN Center for Emergent Matter Science (Japan))*
Th-E-76	Magnetic Excitations in Non-collinear Itinerant Antiferromagnet CrB_2 *Pyeongjae Park (Seoul National University (Korea), Center for Correlated Electron Systems, Institute for Basic Science (Korea))*
Th-E-77	Spin-current probe for the Z_2-vortex transition in a classical Heisenberg antiferromagnet on the triangular lattice *Kazushi Aoyama (Osaka University (Japan))*
Th-E-78	Tunable Scalar Spin Chirality and Anomalous Hall Effect in $Dy_3Ru_4Al_{12}$ *Shang Gao (RIKEN Center for Emergent Matter Sciences (Japan))*
Th-E-79	Weak Zero-energy Mode Induced by a Next-nearest-neighbor Interaction in an Anisotropic XY Spin Chain *Kazuhiro Wada (Tokyo University of Science (Japan))*
Th-E-80	Pure Kitaev description of low-energy spin dynamics in the honeycomb magnet α-$RuCl_3$ *Nejc Janša (Jožef Stefan Institute (Slovenia))*
Th-E-81	Longitudinal fluctuations in collinear magnets *Harry Keen (University of Edinburgh (UK))*

Th-E-82	Field Induced Succesive Phase Transitions in Classical J_1-J_2 Buckled Honeycomb Lattice Antiferromagnet $Cs_3Fe_2Cl_9$ *Yuto Ishii (Hokkaido University (Japan))*
Th-E-83	Thermal Transport Measurements on $SrCu_2(BO_3)_2$ – A Topological Insulator with Bosonic Carriers *Luke Pritchard Cairns (University of Edinburgh (UK))*
Th-E-84	S=1 Shastry-Sutherland model formed by a new nitroxide biradical *Hiroki Setogawa (Osaka Prefecture University (Japan))*
Th-E-86	Magnetic field-induced phase transition in pyrochlore U(1) quantum spin liquid *Hyeok-Jun Yang (KAIST (Korea))*

Lobby - List of posters

Thursday 26 September

Th-L-01	Hidden robust presence of a hole Fermi surface in a heavily electron doped iron based superconductor $LaFe_2As_2$ *Hidetomo Usui (Shimane University (Japan))*
Th-L-02	Effect of Carrier Doping on the Pairing Competition in Strongly Correlated Organic Conductors κ-(BEDT-TTF)$_2X$ *Hirohito Aizawa (Kanagawa University (Japan))*
Th-L-03	Multipole Fluctuation of Iron Pnictide Superconductor $Ba(Fe_{1-x}Co_x)_2As_2$ *Haruyasu Sato (Niigata University (Japan))*
Th-L-04	Theoretical analysis of ferromagnetic spin fluctuations in over-doped cuprate superconductors *Shingo Teranishi (Osaka University (Japan))*
Th-L-05	Unusual Evolution of Electronic Nematicity in the Heavily Hole-doped Iron Pnictide Superconductors *Masaya Tsujii (University of Tokyo (Japan))*
Th-L-06	Superconducting Fluctuations in S=1 One-Dimensional Kondo Lattice Model under Transverse Magnetic Fields *Kohei Suzuki (Tokyo Metropolitan University (Japan))*
Th-L-07	On the nature of surface states in BiPd *Arindam Pramanik (Tata Institute of Fundamental Research (India))*
Th-L-08	Magnetic Penetration Depth of UBe_{13} and UPt_3 Derived by DC Magnetization Measurements *Akihiko Sumiyama (University of Hyogo (Japan))*
Th-L-09	Pressure effect on the BiS_2 layered compound $Eu_3Bi_2S_4F_4$ *Kento Ishigaki (The University of Tokyo (Japan)*
Th-L-10	First-Principles Study and Orbital-Fluctuation Effect on the Superconductivity in Tungsten Bronze A_xWO_3 *Takuya Sekikawa (Niigata Universiy (Japan))*
Th-L-11	Electrodynamical Properties of Superconducting Niobium Thin Films in External Magnetic Field *Jae Ha Kim (Yonsei University (Korea))*
Th-L-12	Knight-shift measurements on Sr_2RuO_4 *Kenji Ishida (Kyoto University (Japan))*
Th-L-13	Coexistence of superconductivity with charge- and pair-density waves in the single- and three-band models of high-T_c cuprates *Michal Zegrodnik (AGH University of Science and Technology(Poland))*

Th-L-14	Electronic structure of TiNCl and electron-doped TiNCl *Noriyuki Kataoka (Okayama University (Japan))*
Th-L-15	Anisotropic superconducting properties of non-centrosymmetric LaNiZn *Arvind Maurya (Tohoku Universty (Japan))*
Th-L-16	Spontaneous Surface Charge on a Semi-infinite Chiral Superconductor *Ezekiel Sambo Joshua (Hokkaido University (Japan))*
Th-L-17	Anomalous superconductivity of the U-Ti alloys *Volodymyr Buturlim (Charles University (Czech Republic))*
Th-L-18	X-ray absorption spectroscopy measurements of $Fe_{1+x}Te$ *Jan Fikacek (Institute of Physics, Czech Academy of Sciences (Czech Republic))*
Th-L-19	Pressure induced suppression of the Pseudogap phase in the cuprate superconductor Nd-LSCO probed by thermoelectric measurements *Adrien Gourgout (University of Sherbrooke (Canada))*
Th-L-20	Exactly solvable model of strongly correlated *d*-wave superconductivity *Alexander I. Lichtenstein (University of Hamburg (Germany))*
Th-L-21	Super lattice structure in BiS_2 layered superconductor $LaO_{0.5}F_{0.5}BiS_2$ *Hajime Sagayama (KEK (Japan))*
Th-L-22	Experimental evidence for an s+is superconductivity in $Ba_{1-x}K_xFe_2As_2$ *Vadim Grinenko (TU Dresden (Germany), IFW Dresden (Germany))*
Th-L-23	Ultrasonic Study of Elastic Properties of the Iron-Pnictide Superconductor $Ba(Fe_{1-x}Co_x)_2As_2$ in High Magnetic Fields *Mitsuhiro Akatsu (Niigata Univesity (Japan))*
Th-L-24	^{77}Se-NMR study of the excitonic insulator Ta_2NiSe_5 under high pressure *Masayuki Itoh (Nagoya University (Japan))*
Th-L-25	Anisotropic Quantum Critical Fluctuations and Superconductivity in Ni-doped $CeCoIn_5$ *Makoto Yokoyama (Ibaraki University (Japan))*
Th-L-26	Nodeless Superconductivity In Single Crystalline $LaPt_2Si_2$ *Zhiyong Nie (Zhejiang University (China))*
Th-L-27	Nematic fluctuations in Sr-doped Bi_2Se_3 superconductors studied by elastoresistance measurements. *Suguru Hosoi (Osaka University (Japan))*
Th-L-28	NMR Study on Ferromagnetic Critical Point of UGe_2 *Hisashi Kotegawa (Kobe University (Japan))*
Th-L-29	Phenomenology of the chiral *d*-wave state in the hexagonal pnictide superconductor SrPtAs *Hikaru Ueki (Hirosaki University (Japan))*

Th-L-30	Metal-Insulator transition in RuAs and Superconductivity in $Ru_{1-x}Rh_x$ As Investigated by ^{75}As-NMR/NQR and μSR *Yoshiki Kuwata (Department of Physics, Kobe University (Japan))*
Th-L-31	Control of stability of charge-orbital ordered state by using uniaxial stress in A-site ordered $NdBaMn_2O_6$ *Nobuyuki Abe (The University of Tokyo (Japan))*
Th-L-32	Dynamical Mean-Field Study of Excitonic Phases in the Multi-Band Hubbard Models for Electron-Hole Systems *Kento Sasaki (Niigata University (Japan))*
Th-L-33	Defects, Disorder, and Strong Electron Correlations in Orbital Degenerate, Doped Mott Insulators: Defect-Induced Orbital Polarization and Collapse of Orbital Order *Adolfo Avella (Universita' degli Studi di Salerno (Italy))*
Th-L-34	Change in work function of VO_2 at the metal-insulator transition in a VO_2 /TiO_2: Nb(001) heterojunction *Yuji Muraoka (Okayama University (Japan))*
Th-L-35	Quenching of Charge-Orbital-Ordered Manganites *Keisuke Matsuura (Center for Emergent Matter Science, RIKEN (Japan))*
Th-L-36	Orbitally assisted three-centered two-electron σ bond formation in $Li_{0.33}VS_2$ with a two-dimensional triangular lattice *Naoyuki Katayama (Nagoya University (Japan))*
Th-L-37	Precursor of Metal–Semiconductor Transition in Tetrahedrite Probed by Cu-NMR *Takashi Matsui (Kobe University (Japan))*
Th-L-38	Evolution of magnetic phases near the thickness-dependent metal-insulator transition in $La_{1-x}Sr_xMnO_3$ thin films observed by XMCD *Goro Shibata (The University of Tokyo (Japan))*
Th-L-39	Scaling in the Giant Magnetoresistance of Layered Compound $Eu_3Bi_2S_4F_4$ *Yuji Aoki (Tokyo Metropolitan University (Japan))*
Th-L-40	Imaging the current-driven metal–insulator transition in Ca_2RuO_4 *Giordano Mattoni (Kyoto University (Japan))*
Th-L-41	A Probable Hybridization Gap in the Kondo Lattice $CeCuAs_2$ *Meng Lyu (Institute Of Physics, CAS (China))*
Th-L-42	Electronic Structure of $Sr_3Fe_{2-x}Co_xO_{7-\delta}$ Studied by Photoemission and X-ray Absorption Spectroscopy *Tomohiko Saitoh (Tokyo University of Science (Japan))*
Th-L-43	Intertwined structural and magnetic transitions in rare-earth nickelates *Alaska Subedi (CPHT, CNRS, Ecole Polytechnique (France))*

Th-L-44	A magnetostriction study of spin state ordered phases of $LaCoO_3$ induced at ultrahigh magnetic fields *Akihiko Ikeda (University of Tokyo (Japan))*

Atrium - List of posters

Thursday 26 Septembe

Th-A-01	Magnetic and Dielectric Properties of $Lu_2Fe_3O_7$ *Kenji Yoshii (Japan Atomic Energy Agency (Japan))*
Th-A-02	Dielectric anomalies and robust magnetodielectricity in Y-type hexaferrite *Anil Singh Singh (National Institute Of Technolgy Rourkela (India))*
Th-A-03	Lattice-parameter dependence of magnetic structure in orthorhombic $YMnO_3$ *Yoshiki Imai (Okayama University of Science (Japan))*
Th-A-04	Change in the optical spectra for $BaV_{10}O_{15}$ with applied uniaxial strain *Takuo Saiki (Waseda University (Japan))*
Th-A-05	Existence of Magic Canting Angle of Magnetic Moments for Spin-induced Multiferroicity in Tb_2BaNiO_5 *E. V. Sampathkumaran (Tata Institute of Fundamental Research (India))*
Th-A-06	Theoretical Study of Magnetoelectric Effects in $Co_4Nb_2O_9$ *Masashige Matsumoto (Shizuoka University (Japan))*
Th-A-07	A Current Induced Magnetization on Metallic Antiferromagnet Ce_3TiBi_5 *Masahiro Shinozaki (Shimane University (Japan))*
Th-A-08	Magnetic and Electric Properties of Multiferroic Rare-Earth Oxide $Gd_{1-y}R_yMn_{0.7}Co_{0.3}O_3$ *JianHua Bao (Muroran Institute of Technology (Japan))*
Th-A-09	Evidence of Multiferroicity and Magnetoelastic Coupling in α-Mn_2O_3 *Mohit Chandra (UGC-DAE Consortium for Scientific Research Indore (India))*
Th-A-10	Insights into the Coupled Domains in Conical Spin-driven Multiferroics *Jonas K. H. Fischer (University of Tokyo (Japan))*
Th-A-11	Synthesis and physical properties of Spin-1/2 $SrCu(OH)_3Cl$ without inversion symmetry *Hiroyuki Yoshida (Hokkaido University (Japan))*
Th-A-12	Spin polarization of oxygen ions and ferroelectricity in multiferroics $R Mn_2O_5$ (R =Y, Sm) studied by resonant x-ray scattering and μSR *Yuta Ishii (KEK IMSS (Japan))*
Th-A-13	Mn trimerization induced by magneto-elastic coupling in multiferroic hexagonal $YMnO_3$ studied by inelastic X-ray scattering *Kisoo Park (Center for Correlated Electron Systems, Institute for Basic Science (IBS) (Korea), Seoul National University (Korea))*

Th-A-14	Current-Induced Magnetization of $CeRu_2Al_{10}$ *Akinari Koriki (Hokkaido University (Japan))*
Th-A-15	Preparation and Structure-Property Correlations of Pulsed Laser Deposited Multiferroic $CaMn_7O_{12}$ Thin Films *Jenh-Yih Juang (National Chiao Tung University (Taiwan))*
Th-A-16	Spin Reorientation in The Skyrmion Material GaV_4Se_8: ^{51}V NMR *Hikaru Takeda (University of Tokyo (Japan))*
Th-A-17	Symmetry considerations of current-induced bulk magnetization in gyrotropic material *Tetsuya Furukawa (Tokyo University of Science (Japan))*
Th-A-18	Spin dynamics in the multiferroic MnW_4 probed by μSR *Hirotaka Okabe (KEK (Japan))*
Th-A-19	Interplay of correlations, Jahn-Teller distortions and magnetism in lacunar spinels *Sergey Artyukhin (Italian Institute of Technology (Italy))*
Th-A-20	Hybridized Magnon with Orbital and Lattice in Multiferroics $Ba_2MnGe_2O_7$ *Shunsuke Hasegawa (University of Tokyo (Japan))*
Th-A-21	Magnetic Space Group Analysis of Perovskite Magnetic Oxides *Hiroshi Katsumoto (Osaka University (Japan))*
Th-A-22	A symmetry-adapted basis set for the magnetic structure with finite propagation vector based on the multipole expansion *Yuki Yanagi (Tohoku University (Japan))*
Th-A-23	Novel Way to Control The Discrete Behavior of The Magnetic Resonance in a Chiral Spin Soliton Lattice *Yusuke Shimamoto (Osaka Prefecture University (Japan))*
Th-A-24	Local Probing $Ca_{n+1}Mn_nO_{3n+1}$ Structural Phase Transitions *Pedro Miguel da Rocha Rodrigues (Departamento de Física e Astronomia da Faculdade de Ciências da Universidade do Porto (Portugal))*
Th-A-25	Magneto-optic study of thermally driven ferrimagnet-to-helimagnet transition in a chiral-polar magnet *Tatsuki Sato (University of Tokyo (Japan))*
Th-A-26	SHG-Active Boundaries between nonpolar Magnetic Domains in $MnWO_4$ *Shingo Toyoda (RIKEN CEMS (Japan))*
Th-A-27	Recent developments at the Resonant Scattering and Diffraction beamline P09 at PETRA III *Sonia Francoual (Deutsches Elektronen Synchrotron (Germany))*
Th-A-28	Mapping bismuth Landau spectra up to 65T and obtaining the percentage of twinned sample *Jinhua Wang (Huazhong University of Science and Technology (China))*

Th-A-29	Universal behavior of the IMS domain formation in superconducting niobium: Neutron scattering and molecular dynamics simulations *Abdel Al-Falou (Technische Universitaet Muenchen (Germany))*
Th-A-30	Giant Proximity Effect in Ion-Irradiated MgB_2 Thin Films *Soon-Gil Jung (Sungkyunkwan University (Korea))*
Th-A-31	An alternative route for studying the intrinsic properties of solid-state materials *Eteri Svanidze (Max Planck Institute for Chemical Physics of Solids (Germany))*
Th-A-32	Development of 1K refrigerator using 0.1W GM cryocooler *Haruka Koyama (Kochi University (Japan))*
Th-A-33	A sensitive mutual inductance technique based exploration of bulk and surface conductivities in Bi_2Se_3single crystals: evidence of an inhomogeneous topological insulating state *Amit Jash (Indian Institute of Technology Kanpur (India))*
Th-A-34	Observation of Chiral Magnetic Soliton Lattice State in $CrNb_3S_6$ by Coherent Diffraction Imaging *Hironori Nakao (High Energy Accelerator Research Organization (Japan))*
Th-A-35	Terahertz emission spectroscopy of sub-picosecond shift current *Masato Sotome (RIKEN (Japan))*
Th-A-36	Three-Dimensional Mapping of Diffuse Scattering in Single Crystals *Oleh Ivashko (Deutsches Elektronen-Synchrotron (Germany))*
Th-A-37	Electrical transport of thin film samples under high pressure in a diamond anvil cell *Jianyu Xie (The Chinese University of Hong Kong (Hong Kong))*
Th-A-38	Incommensurate superstructures by orbital ordering in $BaV_{10}O_{15}$ *Takuro Katsufuji (Waseda University (Japan))*
Th-A-39	Theory of Magnetic-Field-Angle-Dependent Quadrupole Coupling for Electron Paramagnetic Resonance Measurement *Mikito Koga (Shizuoka University (Japan))*
Th-A-40	RKKY Interactions of CeB_6 based on Effective Wannier Model *Takemi Yamada (Tokyo University of Science (Japan))*
Th-A-41	Resonant X-ray Scattering Study on UNi_4B *Ryoya Murata (Hokkaido University (Japan))*

Friday 27 September

Plenary Talk	***Chair: K. Behnia***	**Convention Hall (3F)**
08:30 - 09:15	Majorana fermions and half-integer thermal quantum Hall effect in a chiral spin liquid *Yuji Matsuda (Kyoto University (Japan))*	

Plenary Talk	***Chair: S. Nakatsuji***	**Convention Hall (3F)**
09:15 - 10:00	The Quest for a Quantum Spin Liquid *Collin L. Broholm (Johns Hopkins University (United States of America))*	

10:00 - 10:30 **Coffee Break**

10:30 - 12:30		**Oral Presentation**
Fr-AM-3F UTe_2 and new heavy-fermion superconductors		**Chair:** ***J.Custers*** **Convention Hall (3F)**
1	10:30 - 11:00	UTe_2: A nearly-ferromagnetic spin triplet superconductor *Nicholas Butch (NIST and University of Maryland (United States of America))*
2	11:00 - 11:15	Magnetic and μSR properties in the heavy-fermion superconductor UTe_2 *Shanta R Saha (University of Maryland (United States of America), NIST Center for Neutron Research (United States of America))*
3	11:15 - 11:30	Superconductivity with Spin-Triplet State near Ferromagnetic Instabilities *Dai Aoki (Tohoku University (Japan), CEA-Grenoble (France))*
4	11:30 - 11:45	Field-induced metamagnetism and reentrant superconductivity in the paramagnetic superconductor UTe_2 *William Knafo (LNCMI-Toulouse (France))*
5	11:45 - 12:00	A New U-Based Heavy Fermion Superconductor *Christopher O'Neill (University of Edinburgh (UK))*
6	12:00 - 12:15	The First Discovery of Superconducting State and Fermi Surface Properties of $YbOs_4Sb_{12}$ *Tatsuma D Matsuda (Tokyo Metropolitan University (Japan))*

7	12:15 - 12:30	Unconventional Superconductivity and Quantum Oscillations in Ultra-Pure Single Crystals of YFe_2Ge_2 *Jiasheng Chen (University of Cambridge (UK))*

10:30 - 12:30		**Oral Presentation**
Fr-AM-2F Quantum magnetism and Frustration III		**Chair:** ***Z. Hiroi*** **Reception Hall (2F)**
1	10:30 - 11:00	Structures of Magnetic Excitations in Spin-1/2 Triangular- and Kagome-Lattice Antiferromagnets *Hidekazu Tanaka (Tokyo Institute of Technology (Japan))*
2	11:00 - 11:30	Spin Frustration and spin liquid on a triangular lattice *Xiaoqun Wang (Shanghai Jiaotong University (China), Tsung-Dao Lee Institute (China))*
3	11:30 - 12:00	Non-Semiclassical Spin Dynamics in the Triangular Lattice Quantum Antiferromagnet *Yoshi Kamiya (Shanghai Jiao Tong University (China))*
4	12:00 - 12:15	Gapless quantum spin liquid in the disorder-free triangular antiferromagnet $NaYbO_2$ *Alexander Tsirlin (University of Augsburg (Germany))*
5	12:15 - 12:30	Yb^{3+} spin-1/2 moments on a planar triangular lattice: an ESR study. *Jőerg Sichelschmidt (Max Planck Institute for Chemical Physics of Solids (Germany))*

10:30 - 12:30		**Oral Presentation**
Fr-AM-1E Superconductivity in the absence of time reversal/ inversion symmetry		**Chair:** ***Y. Maeno*** **Event Hall East (1F)**
1	10:30 - 11:00	Topologically protected Bogoliubov Fermi surfaces *Daniel Agterberg (University of Wisconsin (United States of America))*
2	11:00 - 11:30	Nematic superconductivity in a topological semimetal *Yasuyuki Nakajima (University of Central Florida (United States of America))*
3	11:30 - 11:45	Study of the low-temperature resistivity of the locally non-centrosymmetric heavy-fermion superconductor $CeRh_2As_2$ *Daniel Hafner (Max Planck Institute for Chemical Physics of Solids (Germany))*

4	11:45 - 12:00	Exploration of Chiral Superconductivity in Hexagonal BaPtAs and BaPtSb *Kazutaka Kudo (Okayama University (Japan))*
5	12:00 - 12:15	Unconventional Superconductivity and 2x2 Charge Modulation in $(LaSe)_{1.14}$ $(NbSe_2)_2$ *Alexandra Palacio Morales (CNRS-Sorbonne University (France))*
6	12:15 - 12:30	$BaIrSi_2$: A 5*d* Electron System Superconductor with a New Type of Noncentrosymmetric Crystal Structure *Masaaki Isobe (National Institute for Materials Science (Japan))*

10:30 - 12:30		**Oral Presentation**
Fr-AM-1W Magnetic Weyl and Dirac semimetals	**Chair:** ***M. Sato***	**Event Hall West (1F)**
1	10:30 - 11:00	Multipole control of electric and magnetic responses in Weyl magnets *Satoru Nakatsuji (University of Tokyo (Japan))*
2	11:00 - 11:30	Weyl-Kondo Semimetal: Magnetism and Topology in Heavy Fermion Systems *Qimiao Si (Rice University (United States of America))*
3	11:30 - 12:00	Dirac Electrons in Kagome Lattice Materials *Joseph G Checkelsky (MIT (United States of America))*
4	12:00 - 12:30	Giant spontaneous Hall effect in the Weyl-Kondo semimetal $Ce_3Bi_4Pd_3$ *Sami Dzsaber (TU Vienna (Austria))*

12:30 - 14:30 **Lunch Break**

14:30 - 16:15		**Oral Presentation**
Fr-PM-3F Cuprates II: Pseudogap and pairing	**Chair:** ***Jianping Hu.***	**Convention Hall (3F)**
1	14:30 - 15:00	ARPES Studies of Electronic Nematic Phases in Cuprate and Iron-Pnictide Superconductors *Atsushi Fujimori (University of Tokyo (Japan), Waseda University (Japan))*
2	15:00 - 15:30	Unusual Symmetry Breaking in the Parent Cuprate $Sr_2CuO_2Cl_2$ *Alberto de la Torre (Caltech (United States of America)*

3	15:30 - 15:45	Charge trapping and super-Poissonian noise centers in a cuprate superconductor *Koen Mathijs Bastiaans (Leiden University (Netherlands))*
4	15:45 - 16:00	Interplay between Charge Order and Superconductivity in the Vortex-State of High-T_c Cuprates *Yu-Te Hsu (Radboud University (Netherlands))*
5	16:00 - 16:15	Ab initio studies on superconductivity and inhomogeneity in Hg-based cuprate superconductor *Takahiro Ohgoe (Waseda University (Japan))*

14:30 - 16:30		**Oral Presentation**
Fr-PM-2F Magnetoelectric effect and skyrmions		**Chair:** ***M. Tokunaga***	**Reception Hall (2F)**
1	14:30 - 15:00	Magneto-electric Effect in Honeycomb Magnets *Taka-hisa Arima (University of Tokyo / RIKEN (Japan))*
2	15:00 - 15:30	Switching between Néel- and Bloch-type skyrmions multiferroic in lacunar spinels *Istvan Kézsmárki (University of Augsburg (Germany))*
3	15:30 - 16:00	Unique Skyrmion Phases and Conduction Electrons in Cubic Chiral Anitiferromagnet EuPtSi and Related Compounds *Yoshichika Ōnuki (University of the Ryukyus (Japan))*
4	16:00 - 16:15	Novel low temperature spiral and skyrmionic states. *C. Pappas (Delft University of Technology (Netherlands))*
5	16:15 - 16:30	Skyrmion formation and enhanced emergent electrodynamics in centrosymmetric magnets *Max Hirschberger (RIKEN Center for Emergent Matter Science (Japan))*

14:30 - 16:30		**Oral Presentation**
Fr-PM-1E Theory of strongly correlated system II		**Chair:** ***M. Ogata***	**Event Hall East (1F)**
1	14:30 - 15:00	Spatial Correlations and Superconductivity in Dynamical Mean-Field Theory *Junya Otsuki (Okayama University (Japan))*
2	15:00 - 15:30	Cooling by photo-doping: Light-induced symmetry breaking in the Hubbard model *Philipp Werner (University of Fribourg (Switzerland))*
3	15:30 - 16:00	Theory of the field-revealed Kitaev spin liquid *Hae-Young Kee (University of Toronto (Canada))*

4	16:00 - 16:30	Semi-analytical theories for a correlated quantum dot attached to superconducting leads *Tomaš Novotný (Charles University (Czech Republic))*

14:30 - 16:45		**Oral Presentation**
The Bryan R. Coles Prize Talk		**Chair:** ***T. Tohyama*** **Event Hall West (1F)**
	14:30 - 15:00	Magnetic and Charge Orders in a Bilayer Perovskite Iridate *Liuyan Zhao (University of Michigan (United States of America))*
Fr-PM-1W Optical lattice and strongly interacting ultracold Fermi gas		**Chair:** ***T. Tohyama*** **Event Hall West (1F)**
1	15:00 - 15:30	The equation of state for Fermi gases in the unitary regime *Munekazu Horikoshi (Osaka City University (Japan))*
2	15:30 - 16:00	Quantum Magnetism of SU(N) Fermi Hubbard Model *Yoshiro Takahashi (Kyoto University (Japan))*
3	16:00 - 16:30	Strong-Coupling Properties of an Ultracold Fermi Atomic Gas in the BCS-BEC Crossover Region and a Possible Application to the Study of Neutron-Star Interior *Yoji Ohashi (Keio University (Japan))*
4	16:30 - 16:45	Synthetic Frustrated Quantum Systems with Bose Gases in Triangular Lattices at Negative Absolute Temperatures *Daisuke Yamamoto (Aoyama Gakuin University (Japan))*

Exhibition Hall - List of posters

Friday 27 September

Fr-E-01	Transport and Calorimetric Studies of La-diluted $CeIn_3$ under Pressure *Suyoung Kim (Sungkyunkwan University (Korea))*
Fr-E-02	De Haas-van Alphen Effect in $NdTi_2Al_{20}$ *Hitoshi Sugawara (Kobe University (Japan))*
Fr-E-03	Elastic Response of $CeRh_2Si_2$ under Magnetic Field and Electric Current *Yoshito Mikami (Hokkaido University (Japan))*
Fr-E-04	Pressure Tuning of the *f* Electron Hybridized States in $YbAl_2$ and $YbCu_2Ge_2$ Studied by Optical Conductivity *Hidekazu Okamura (Tokushima University (Japan))*
Fr-E-05	Magnetic and Transport Properties of New Cubic compounds $Ce_6Pd_{13}Cd_4$ and $R_6Pd_{13}Zn_4$ (R = Pr, Nd) with the Octahedral Rare-Earth sublattices *Eiichi Matsuoka (Kobe University (Japan))*
Fr-E-07	Degenerate orbital effect in a three orbital periodic Anderson model *Qiaoni Chen (Beijing Normal University (China))*
Fr-E-08	Realistic many-body theory of the Kondo insulator $Ce_3Bi_4Pt_3$ *Jan M Tomczak (Vienna University of Technology (Austria))*
Fr-E-09	Physical properties of the intermetallic $CeCuBi_{2-x}Sb_x$ heavy fermion compound *Gabriel Silva Freitas (Universidade Estadual de Campinas (Brazil))*
Fr-E-10	Physical properties of $YbNi_2Ge_2$ at high magnetic felds *Takao Ebihara (Shizuoka University (Japan))*
Fr-E-11	The *f*-electron State of the Heavy Fermion Superconductor $NpPd_5Al_2$ and the Isostructural Family *Naoto Metoki (JAEA (Japan), Ibaraki University (Japan))*
Fr-E-12	Low-energy quasiparticle excitations in the novel superconductor UTe_2 probed by thermal conductivity *Koichi Izawa (Osaka University (Japan))*
Fr-E-13	Electronic Structure of UTe_2 Studied by Photoelectron Spectroscopy *Shin-ichi Fujimori (Japan Atomic Energy Agency (Japan))*
Fr-E-14	Fabrication and evaluation of chiral helimagnet $YbNi_3Al_9$ thin films *Akira Okumura (Osaka Prefecture University (Japan))*
Fr-E-15	Electronic States of an Antiferromagnet $CeCuSb_2$ Studied by Linearly Polarized Hard X-Ray Photoemission Spectroscopy *Amina A Abozeed (Ritsumeikan University (Japan), RIKEN SPring-8 Center (Japan))*

Fr-E-16	Field Effect on Spin and Valence state in $CeCu_2Si_2$ above Critical Pressure *Kenji Fujiwara (Shimane University (Japan))*
Fr-E-17	Elastic anomalies of the half-metallic itinerant ferromagnet CoS_2 associated with magnetic phase transition *Shinya Kudo (Iwate University (Japan))*
Fr-E-18	Fermi surface of the heavy-fermion compoud $CeRhIn_5$ in high magnetic fields *Sanu Mishra (Laboratoire National des Champs Magnétiques Intenses,CNRS (France))*
Fr-E-19	Isotropc Giant Magnetoresistance in Semi-Metallic $URhIn_5$ *Carsten Putzke (École Polytechnique Fédérale de Lausanne, Quantum Materials Laboratory (Switzerland), Max Planck Institute for Chemical Physics of Solids (Germany))*
Fr-E-20	Normal-state Hall effect in heavy-fermion antiferromagnetic superconductor Ce_3PtIn_{11} *Daniel Gnida (Institute of Low Temperature and Structure Research, Polish Academy of Sciences (Poland))*
Fr-E-21	Theoretical Study for Unconventional SC in $CeCu_2Si_2$ and Multipole Order in CeB_6 *Rina Tazai (Nagoya University (Japan))*
Fr-E-22	Crystal Electric Field Effects and Heavy-Fermion-Like Behavior of Cubic $PrCu_2Au_3$ Compound *Buyisiwe Mavis Sondezi (University of Johannesburg (South Africa))*
Fr-E-23	A New Caged Kondo Compound $CeRh_4Al_{15}$ *Yuji Muro (Toyama Prefectural University (Japan))*
Fr-E-24	Pressure-induced evolution from heavy-fermion system to dilute-Kondo system in $Ce_2Sc_3Ge_4$ single crystal *Yufeng Zhang (University of Tokyo (Japan), Southeast University (China))*
Fr-E-25	Revising Ground State Local 4*f* Symmetry in the Pressure Induced Superconductor $CeCu_2Ge_2$ *Hidenori Fujiwara (Osaka University (Japan), RIKEN SPring-8 Center (Japan))*
Fr-E-26	Local 4*f* Electronic Structure in $PrAg_2$ In Studied by Polarized X-ray Absorption and Photoemission Spectroscopy *Satoru Hamamoto (Osaka University (Japan), RIKEN SPring-8 Center (Japan))*

Fr-E-27	Superzone Gap Formation and Possible Kondo-Like Features in the Quasi-Skutterudite $PrFe_2Ga_8$ Compound *Michael Olawale Ogunbunmi (University of Johannesburg (South Africa))*
Fr-E-28	De Haas-van Alphen effect and field-induced anomaly in $CeAl_2$ under pressure *Rikio Settai (Niigata University (Japan))*
Fr-E-29	Elastic Softening in Frustrated Heavy-Fermion Compound CePdAl *Hengcan Zhao (Institute of Physics, Chinese Academy of Sciences (China))*
Fr-E-32	Non-monotonic pressure dependence of high-field nematicity and magnetism in $CeRhIn_5$ *Toni Helm (Helmholtz-Zentrum Dresden-Rossendorf (Germany), Max Planck Institute for Chemical Physics of Solids (Germany))*
Fr-E-33	Majorana Modes in Strongly Correlated Nanowires *Maciej M. Maśka (University of Silesia (Poland))*
Fr-E-34	Giant Anomalous Nernst Effect and Quantum Critical Enhancement at Room Temperature in Weyl Ferromagnet *Akito Sakai (University of Tokyo (Japan))*
Fr-E-35	Photo-induced Change of Chern Number and optical Hall Conductivity of Black Phosphorene *Yousung Kang (Yonsei University (Korea))*
Fr-E-36	Exact Plaquette-Ordered Ground States with Exact Corner States of the Generalized Hubbard Model in Corner Sharing Lattices *Masaaki Nakamura (Ehime University (Japan))*
Fr-E-37	Angular dependence of interlayer magnetoresistance for antiferromagnetic Dirac semimetal $A MnBi_2$ (A = Sr and Eu) *Masaki Kondo (Osaka University (Japan))*
Fr-E-38	Transmission/reflection coefficients and Faraday/Kerr rotations as a function of applied magnetic fields in spin-orbit coupled Dirac metals *Jinho Yang (POSTECH (Korea))*
Fr-E-39	Quantum Oscillation Study of the Semimetal ScSb under Pressure *Wei Zhang (The Chinese University of Hong Kong (Hong Kong))*
Fr-E-40	Topological Kondo semimetal phases in the heavy fermion global phase diagram *Sarah Elaine Grefe (Rice University (United States of America))*
Fr-E-41	Magnetic Topological Semimetals with Kagome Lattices *Hechang Lei (Renmin University of China (China))*

Fr-E-42	Single crystal studies of CDW physics in quasi-1D metals RNiC$_2$ *Herwig Michor (TU Wien (Austria))*
Fr-E-43	Crystal Growth and Transport Property Measurements of Chiral Crystal α-IrSn$_4$ and α-IrGe$_4$ *Rumi Omura (Tokyo Metropolitan University (Japan))*
Fr-E-44	Exceptional torus in correlated nodal-line semimetals with chiral symmetry *Kazuhiro Kimura (Kyoto University (Japan))*
Fr-E-45	Band-tuning-induced giant topological Hall effect in magnetic semimetal α-EuP$_3$ *Alex Hiro Mayo (Osaka University (Japan))*
Fr-E-46	Topological Transition in the Hard-core Bosonic Haldane Model *Takuya Susa (The University of Tokyo (Japan),Osaka University (Japan))*
Fr-E-47	^{31}P-NMR study of black phosphorus under hydrostatic pressure *Takuto Fujii (University of Hyogo (Japan))*
Fr-E-48	A Revisit of LaRhIn$_5$: Evidence for non-trivial band topology *Chunyu Guo (Ecole Polytechnique Federale de Lausanne (Switzerland))*
Fr-E-49	Magnetic Order in Chiral Antiferromagnet EuPtSi Studied by Resonant X-ray Scattering *Chihiro Tabata (Kyoto University (Japan))*
Fr-E-50	Possible Topological Effects Probed by Electron Spin Resonance: The Case of the Kondo Insulator SmB$_6$ *Jean Carlo Souza (Unicamp (Brazil), Max Planck Institute CPfS (Germany))*
Fr-E-51	SmB$_6$ in-gap states encoded inside the hybridization *Roberto Franco (Universidad Nacional de Colombia - Bogota (Colombia))*
Fr-E-52	Witten Effect and Anomalous Quasiparticles of the Graphen Attached on Spin Ice Compounds *Ikuzo Kanazawa (Tokyo Gakugei University (Japan))*
Fr-E-53	Polarization Analysis of the Skyrmion Dynamics in MnSi *Tobias Weber (Institut Laue-Langevin (France))*
Fr-E-54	Diversity in the Hamiltonians of chromium spinels with breathing pyrochlore lattice *Harald O. Jeschke (Okayama University (Japan))*
Fr-E-55	Frustrated two-dimensional lattice with ferro- and antiferromagnetic interaction formed by a nitronyl nitoroxide biradical *Katsunori Miyoshi (Osaka Prefecture University (Japan))*

Fr-E-56	Finite-temperature properties of the Kitaev-Heisenberg model on a kagome lattice *Katsuhiro Morita (Tokyo University of Science (Japan))*
Fr-E-57	Randomness-Induced Quantum Disordered Ground State of S =1/2 Random J_1 - J_2 Heisenberg Antiferromagnets *Masari Watanabe (Tokyo Institute of Technology (Japan))*
Fr-E-58	Ultrasonic Investigation of Triangular-Lattice-Antiferromagnet YbCuGe *Koji Araki (National Defense Academy (Japan))*
Fr-E-59	Successive Magnetic Phase Transition and Magnetization Plateau in S =1 Triangular-Lattice Antiferromagnet $Ba_2La_2NiTe_2O_{12}$ *Mutsuki Saito (Tokyo Institute of Technology (Japan))*
Fr-E-60	Localized Magnetic Excitations of the Strongly Frustrated Dimerized Magnets *Nobuyuki Kurita (Tokyo Institute of Technology (Japan))*
Fr-E-61	Magnetic Structure and Quantum Effects in the Spin-1/2 Triangular Lattice Antiferromagnet $Ba_2La_2CoTe_2O_{12}$ *Yuki Kojima (Tokyo Institute of Technology (Japan))*
Fr-E-62	Impact of off-diagonal exchange interaction on Kitaev spin liquid sate *Daichi Takikawa (Osaka University (Japan))*
Fr-E-63	Nanoscale Fluctuation of Ice-type Displacement in Spinel Titanates *Noriaki Hanasaki (Osaka University (Japan))*
Fr-E-64	Magnetism of Alkali Superoxide NaO_2 under Pressure *Mizuki Miyajima (Okayama University (Japan))*
Fr-E-65	Critical Behaviors in Quantum Spin Cantor Lattice *Takanori Sugimoto (Tokyo University of Science (Japan))*
Fr-E-66	Disordered spin states near nonmagnetic impurities in $YMnO_3$ *Sumin Lim (KAIST (Korea))*
Fr-E-67	NMR Investigation of Spin Spiral $ZnCr_2Se_4$ *Sejun Park (KAIST (Korea))*
Fr-E-68	Magnetic Excitation of Oxygen Molecule Adsorbed in Deuterated CPL-1 *Shinichiro Asai (The University of Tokyo (Japan))*
Fr-E-69	The Complex Magnetic Phase Diagram of the Kagome Lattice Compound Clinoatacamite, $Cu_2Cl(OH)_3$ *Leonie Heinze (TU Braunschweig (Germany))*
Fr-E-70	Inelastic Neutron Scattering in Kagome-Triangular Lattice $CsCrF_4$ *Takatsugu Masuda (University of Tokyo (Japan), High Energy Accelerator Research Organization (Japan))*

Fr-E-71	Neutron Scattering Study on Breathing Pyrochlore Antiferromagnet $Ba_3Yb_2Zn_5O_{11}$ *Hodaka Kikuchi (University of Tokyo (Japan))*
Fr-E-72	Field induce transition and quantum criticality in spin-3/2 stacked-honeycomb antiferromagnet: $Ba_2Co(PO_4)_2$ *Arvind Kumar Yogi (Max-Planck Institute for Solid State Research (Germany))*
Fr-E-73	Fractionally quantized Berry phases of magnetization plateaux *Shin Miyahara (Fukuoka University (Japan))*
Fr-E-74	Quantum and classical liquids in a model of annealed disorder *Stefan B Kirchner (Zhejiang University (China))*
Fr-E-75	Computational Simulations of Exotic Spin Systems *Stephanie Curnoe (Memorial University of Newfoundland (Canada))*
Fr-E-76	Atacamite $Cu_2Cl(OH)_3$: A model compound for the $S = 1/2$ sawtooth chain? *Stefan Süellow (TU Braunschweig (Germany))*
Fr-E-77	Quantum Criticality of Kitaev Honeycomb Lattice Model with Ising Fluctuations *Jae-Ho Han (POSTECH (Korea))*
Fr-E-78	Quantum Phase Transitions of the Distorted Diamond Spin Chain *Tomosuke Zenda (University of Hyogo (Japan))*
Fr-E-79	Quasi-Two-Dimensional Honeycomb Compound $InCu_{2/3}V_{1/3}O_3$: Low-Temperature Evolution and Ground State Studied by NQR and NMR. *Evgeniia Vavilova (ZPTI-subdividion of FIC KazanSC of RAS (Russia))*
Fr-E-80	Co-existence of long-range order and cooperative paramagnetism in multiferroic hexagonal $YMnO_3$ *Sofie Janas (University of Copenhagen (Denmark), Ecole Polytechnique Federale de Lausanne (Switzerland))*

Lobby - List of posters

Friday 27 September

Fr-L-01	Loop currents and anomalous Hall effect from superconductivity on the honeycomb lattice *Philip Brydon (University of Otago (New Zealand))*
Fr-L-02	Time-Reversal Symmetry Breaking Superconductivity in Hole-Doped Monolayer MoS_2 *Rikuto Oiwa (Meiji University (Japan))*
Fr-L-03	Suppression of T_c in Electrochemically Cu-intercalated FeSe *Takashi Kambe (Okayama University (Japan))*
Fr-L-04	Hubbard *d*-wave superconductors under magnetic fields: a Bogoliubov-de Gennes approach *Luis Antonio Pérez (Instituto de Física, UNAM (Mexico))*
Fr-L-05	NMR studies of the novel heavy-fermion superconductor $CeRh_2As_2$ *Mayu Kibune (Kyoto University (Japan))*
Fr-L-06	Elastic anomalies of single crystalline $Rh_{17}S_{15}$ associated with structural phase transitions *Riku Murakami (Iwate University (Japan))*
Fr-L-07	Electronic state and superconductivity in UTe_2 from first principles band calculation *Jun Ishizuka (Kyoto University (Japan))*
Fr-L-08	Influence of Electronic Structure on Superconductivity in Iron-Based Superconductors *Makoto Shimizu (Okayama University (Japan))*
Fr-L-09	Effects of the Phase Coherence on the Local Density of States in Superconducting Proximity Structures *Shu Suzuki (Nagoya University (Japan), Twente University (Netherlands))*
Fr-L-10	Thermoelectric properties of a doped spin liquid candidate κ-$(ET)_4Hg_{2.89}Br_8$ *Kodai Wakamatsu (University of Tokyo (Japan))*
Fr-L-11	Evolution of Yu-Shiba-Rusinov bound states as a function of film thickness of Co-doped PbSe thin films on superconducting Pb substrates *Yunsung Park (POSTECH (Korea))*
Fr-L-12	Determination of the Valence States and the Local Structures of $Ag_{1-x}Sn_{1+x}Se_2$ (x = 0.0, 0.1, 0.2, 0.25 and 1.0) *Takanori Wakita (Okayama University (Japan))*
Fr-L-13	Ultrasonic Investigation of Lattice Instability in 1*T* -$TiSe_2$ *Yuichi Nemoto (Niigata University (Japan))*

Fr-L-14	Superconductivity and antiferromagnetism in the hole-doped three-band model of cuprates: Variational Monte-Carlo analysis *Andrzej Karol Biborski (AGH University of Science and Technology (Poland))*
Fr-L-15	Field-enhancement of superconductivity close to the metamagnetic transition in UTe_2 *Georg Knebel (University Grenoble Alpes and CEA Grenoble (France))*
Fr-L-16	Transport Properties of BiS_2 -Based Superconductor $Eu_3Bi_2S_4F_4$: Comparison Between Single Crystals and Polycrystals *Ryotaro Sakatani (Tokyo Metropolitan University (Japan))*
Fr-L-17	A First Discovery of Superconductivity in Yb-based compounds $YbTr_2Al_{20}$ (Tr = Mo, Ta) *Naoki Nakamura (Tokyo Metropolitan University (Japan))*
Fr-L-18	Electronic states and superconducting properties in the candidate of valence skipping compound $AgSnSe_2$ observed by NMR measurements *Kanta Watanabe (Tokyo University of Science (Japan))*
Fr-L-19	Uniaxial Strain Control of Nematic Superconductivity in $Sr_xBi_2Se_3$ *Ivan Kostylev (Kyoto University (Japan))*
Fr-L-20	Interplay of Metamagnetic and Superconducting Transition in UTe_2 *Atsushi Miyake (The University of Tokyo (Japan))*
Fr-L-21	Magnetic Field Dependence of Spin Stripes in Highly Underdoped $La_{2-x}Sr_xCuO_4$ Superconductors *Ana Elena Tutueanu (Institute Max von Laue Paul Langevin (France), University of Copenhagen (Denmark))*
Fr-L-22	Pauli paramagnetic effect in the heavy-fermion superconductor $CeCu_2Si_2$ *Emma Campillo (Lund University (Sweden))*
Fr-L-23	Coulomb correlation effects and superconducting pairing in ε-iron *Alexander Belozerov (M. N. Mikheev Institute of Metal Physics(Russia), Ural Federal University (Russia))*
Fr-L-24	Classification of surface states of superconductors with magnetic point group symmetry *Ken Shiozaki (Kyoto University (Japan))*
Fr-L-25	Dynamic Spin Susceptibility of The 2D Hubbard Model Away from Half-filling *Arata Tanaka (Hiroshima University (Japan))*
Fr-L-26	Critical Temperature and Vortex Structures in a Dirty Nano-Sized Superconductor *Masaru Kato (Osaka Prefecture University (Japan))*

Fr-L-28	Superconductivity Robustness to Disorders in Centrosymmetric and Non-centrosymmetric Superconductors *Yoshihiko Inada (Okayama University (Japan))*
Fr-L-29	Properties of the Organic Conductor $(TMTTF)_2I$ under High Pressures *Mika Kano (Nippon Institute of Technology (Japan))*
Fr-L-30	Superconductivity of $Y_3Rh_4Sn_{13}$-like system *Andrzej Slebarski (University of Silesia in Katowice (Poland))*
Fr-L-31	Low-density Superconductivity in $SrTiO_3$ Probed by Planar Tunneling Spectroscopy *Hyeok Yoon (Stanford University (United States of America))*
Fr-L-32	Exotic properties of correlated actinide materials: An *ab initio* many-body approach *Li Huang (China Academy of Engineering Physics (China))*
Fr-L-33	Magnetism of $Nd_{3-x}U_xRu_4Al_{12}$ Intermetallic Compounds *Alexander Andreev (Institute of Physics, Academy of Sciences, (Czech Republic))*
Fr-L-34	Change of Electronic Structure Associated with Hidden Order Transition in URu_2Si_2 Studied by Compton Scattering Experiment *Akihisa Koizumi (University of Hyogo (Japan))*
Fr-L-35	Coexistence of crystallographic disorder and ferromagnetic ordering in the novel compound $UOs_{0.25}Ge_2$ *Adam Pikul (Institute of Low Temperature and Structure Research, Polish Academy of Sciences (Poland))*
Fr-L-36	^{33}S-NMR Study in β-US_2: a crossover from semimetal to narrow-gap semiconductor *Hironori Sakai (Japan Atomic Energy Agency (Japan))*
Fr-L-37	Pressure effect on heavy-fermion compound UPd_2Cd_{20} *Yusuke Hirose (Niigata University (Japan))*
Fr-L-38	Single crystal growth and de Haas-van Alphen effect of non-centrosymmetric heavy-fermion compound UPt_5 *Yoshiki J Sato (Tohoku University (Japan))*
Fr-L-39	Magnetic ordering in single-crystalline $UNi_{0.38}Ge_2$ *Maria Szlawska (Institute of Low Temperature and Structure Research, Polish Academy of Sciences (Poland))*
Fr-L-40	Low-Temperature Electrical and Magnetic Properties of Single-Crystal UIr_2Ge_2 *Fusako Kon (Hokkaido University (Japan))*
Fr-L-41	NMR Study on ferromagnetic superconductor UCoGe under high fields *Satoshi Matsuzaki (Kyoto University (Japan))*

Fr-L-42	^{14}N NMR Investigation of the Paramagnetic Region of Uranium Mononitride *Vasily Ogloblichev (M.N. Miheev Institute of Metal Physics, Ural Branch of Russian Academy of Sciences (Russia))*
Fr-L-43	Study on the Correlation of U Valence State with U-U Distance in UPd_2Cd_{20} *Naomi Kawamura (Japan Synchrotron Radiation Research Institute (Japan))*
Fr-L-44	Magnetic phase diagram of $UCo_{1-x}Rh_xGe$ system studied on single crystals *Jiří Pospíšil (Japan Atomic Energy Agency, (Japan), Charles University (Czech Republic))*
Fr-L-45	^{125}Te-NMR study on nearly ferromagnetic superconductor UTe_2 *Genki Nakamine (Kyoto University (Japan))*
Fr-L-46	Single crystals growth of uranium Kondo insulators *Aneźka Bendová (Charles (Czech Republic))*
Fr-L-47	Magnetic properties of the U*T*C_2 ternary compounds (*T*=Fe, Ni, Co) *Masashi Ohashi (Kanazawa University (Japan))*
Fr-L-48	Low frequency dependent elastic modulus in $UCo_{1-x}Os_xAl$ *Soichiro Kumano (AdSM Hiroshima University (Japan))*
Fr-L-49	Coexistent Spin-Triplet Superconducting and Ferromagnetic Phases in the Magnetic Field: Application to UGe_2 *Danuta Goc-Jaglo (Jagiellonian University (Poland))*
Fr-L-50	Magnetoelastic Phenomena in UAu_2Si_2 *Michal Vališka (Charles University (Czech Republic), University Grenoble Alpes, CEA, IRIG-PHELIQS (France))*

Atrium - List of posters

Friday 27 September

Fr-A-01	Ground state symmetry of the hidden order compound URu_2Si_2: a comparison with antiferromagnetic $U_{1.7}Fe_{0.3}Si_2$, UPd_2Si_2 and UNi_2Si_2 *Andrea Severing (University of Cologne (Germany), Max Planck Institute for Chemical Physics of Solids (Germany))*
Fr-A-02	Inelastic Polarized Neutron Scattering Study on a $CeCuAl_3$ Single Crystal *Milan Klicpera (Charles University in Prague (Czech Republic))*
Fr-A-03	Magnetic Phase Transitions of CeTe in the High Field and Very Low Temperature Region *Shintaro Nakamura (Tohoku University (Japan))*
Fr-A-04	The Crystal Electric Field Effect in the Distorted Kagome Lattice Ferromagnet $Nd_3Ru_4Al_{12}$ *Isao Ishii (Hiroshima University (Japan))*
Fr-A-05	Nuclear-electronic Order at Ultra-low Temperatures and High Magnetic Fields *Femke Bangma (Radboud University (Netherlands))*
Fr-A-06	Odd-Parity Multipole Order in CeCoSi *Megumi Yatsushiro (Hokkaido University (Japan))*
Fr-A-07	Magnetic field-angle phase diagram in the ordered state of $TbRu_2Al_{10}$ *Kousuke Ohno (Kochi University (Japan))*
Fr-A-08	Magnetic structure of a chiral magnet $DyNi_3Al_9$ *Kenshirou Iba (Hiroshima University (Japan))*
Fr-A-09	Magnetic anisotropy of chiral magnet $Yb(Ni_{1-x}Cu_x)_3Al_9$ at high magnetic fields *Daichi Ito (Hiroshima University (Japan))*
Fr-A-10	Non-Fermi Liquid Behaviors in a Diluted Nd System: $Y_{1-x}Nd_xCo_2Zn_{20}$ *Rikako Yamamoto (Hiroshima University (Japan))*
Fr-A-11	Magnetic Field Effect on the Nonmagnetic Doublet Ground State of $PrMgNi_4$ *Yuka Kusanose (Hiroshima University (Japan))*
Fr-A-12	Multipolar ordering in a Pr-based cubic compound $PrRu_2Sn_2Zn_{18}$ *Kazuhei Wakiya (Yokohama National University (Japan))*
Fr-A-13	Deviation from Fermi Liquid Behaviors in a Diluted Pr System $Y_{1-x}Pr_xCo_2Zn_{20}$ *Yu Yamane (Hiroshima University (Japan))*
Fr-A-14	Simultaneous collapse of antiferroquadrupolar order and superconductivity in $PrIr_2Zn_{20}$ by non-hydrostatic pressure *Kazunori Umeo (Hiroshima University (Japan))*

Fr-A-15	Magnetic Properties of Orthorhombic Rare-Earth Sulfides RCuS$_2$ (R = Dy, Ho, Er, Tm, and Yb) *Yudai Ohmagari (Hiroshima University (Japan))*
Fr-A-16	Magnetic and transport properties of a new cubic Pr-based compound PrRu$_2$In$_2$Zn$_{18}$ *Takahiro Komagata (Yokohama National University (Japan))*
Fr-A-17	Physical Properties of Ag Substitute for Quadrupole Ordering Compound CePd$_3$S$_4$ *Tomoya Sekine (Saitama University (Japan))*
Fr-A-18	Crystal electric field response in elastic modulus without rattling effect in the cage compound NdCo$_2$Zn$_{20}$ *Tomohiro Umeno (Hiroshima University (Japan))*
Fr-A-19	NMR Study of the Microscopic Inhomogeneity in the Non-Kramers System PrT_2Al$_{20}$ (T =Nb, Ta) *Tetsuro Kubo (Okayama Univerisity of Science (Japan))*
Fr-A-20	Ferroquadrupole Order and Non-Fermi Liquid Behaviors in La$_{1-x}$Pr$_x$Ti$_2$ Al$_{20}$ ($x < 0.5$) *Shuntaro Asatani (Hiroshima University (Japan))*
Fr-A-21	Current-Induced Mangetization on a Diamond Structure under Antiferro Quadrupole Orders *Takayuki Ishitobi (Tokyo Metropolitan University (Japan))*
Fr-A-22	Quadrupolar Response of DyIn$_3$ *Kengo Morita (Tokyo Denki University (Japan))*
Fr-A-23	RKKY interaction and Quadrupole Order in PrT_2Al$_{20}$ (T=Ti, V) Based on Effective 196 orbital Model Extracted from First-Principles Calculation *Yuto Iizuka (Niigata University (Japan))*
Fr-A-24	Bound State of Crystal Electric Field Excitation and a Phonon in CePd$_2$Al$_2$ - Study of Phonon Dispersion Curves *Petr Doležal (Charles University (Czech Republic))*
Fr-A-25	Antiferromagnetic Order in NdCo$_2$Zn$_{20}$ Modified by Zn-Site Substitution *Takahiro Onimaru (Hiroshima University (Japan))*
Fr-A-26	Anisotropic magnetic properties of CeAuAl$_4$Ge$_2$ *Thamizhavel Arumugam (Tata Institute of Fundamental Research (India))*
Fr-A-27	Investigating CEF Effects and Pressure Induced Spin Rotation in Cd-doped Ce$_2$RhIn$_8$ *Denise Sacramento Christovam (UNICAMP (Brazil))*
Fr-A-28	Unusual magnetic exchange interaction in CeX_c (X_c=S, Se, Te) *Takeshi Matsumura (Hiroshima University (Japan))*

Fr-A-29	Quadrupolar response from the crystal electric field level scheme consisting of only Kramers doublets in DyNiAl *Daichi Suzuki (Hiroshima University (Japan))*
Fr-A-30	Magnetic Properties in Tetragonal Antiferromagnet CeCoSi *Hiroshi Tanida (Toyama Prefectural University (Japan))*
Fr-A-31	Novel dynamical properties in the zero-field antiferroquadrupole ordered state of CeB_6 *Takeshi Mito (University of Hyogo (Japan))*
Fr-A-32	Crystalline Electric Field Effects of CeCoSi *Keisuke Mitsumoto (Toyama Prefectural University (Japan))*
Fr-A-33	Probing 4*f* anisotropic charge distribution of trigonal $YbNi_3Al_9$ by linear dichroism in Yb 3*d* core-level photoemission *Yuina Kanai-Nakata (Ritsumeikan University (Japan), RIKEN SPring-8 Center (Japan))*
Fr-A-34	Optical process of polarized angle-resolved core-level photoemission applied to probe the anisotropic *4f*-orbital symmetry of strongly correlated electron systems *Akira Sekiyama (Osaka University (Japan), RIKEN SPring-8 Center (Japan))*
Fr-A-35	Effects of disorders on the flat-band superfluidity in the optical Kagome lattices *Jicheol Kim (GIST (Korea))*
Fr-A-36	Quantum phase transitions in the dimerized extended Bose-Hubbard model *Koudai Sugimoto (Chiba University (Japan), Keio University (Japan))*

Saturday 28 September

Plenary Talk		*Chair: S. Fujimoto*	Convention Hall (3F)
08:30 - 09:15	TBA *Liang Fu (MIT (United States of America))*		

9:15 - 9:45	Coffee Break

09:45 - 11:45		Oral Presentation	
Sa-AM-3F Topological superconductivity and topological phenomena		**Chair:** ***G.-q. Zheng***	**Convention Hall (3F)**
1	09:45 - 10:15	Majorana zero modes in the vortices of topological superconductors *Dong-Lai Feng (Fudan University (China), University of Science and Technology of China (China))*	
2	10:15 - 10:45	Majorana fermions in high-spin superconductors *Masatoshi Sato (Kyoto University (Japan))*	
3	10:45 - 11:15	Fingerprints of Nematic and Weyl Superconductivity *Takeshi Mizushima (Osaka University (Japan))*	
4	11:15 - 11:30	Bulk Half-integer Quantum Hall Effect in Dirac Antiferromagnet $BaMnSb_2$ *Hideaki Sakai (Osaka University (Japan)*	
5	11:30 - 11:45	Multipole expansion for magnetic structures and its application to the study of anomalous Hall effect in antiferromagnets *Michi-To Suzuki (Tohoku University (Japan))*	

09:45 - 11:45		Oral Presentation	
Sa-AM-2F Iron-based superconductors II: Pairing and topological states		**Chair:** ***T. Shibauchi***	**Reception Hall (2F)**
1	09:45 - 10:15	Synergy and competetion between superconductivity and AF order in $Fe_{1+x}Se$ *Hai-Hu Wen (Nanjing University (China))*	
2	10:15 - 10:45	Nematicity, small Fermi energy and superconductivity in FeSe *Tetsuo Hanaguri (RIKEN CEMS (Japan))*	

3	10:45 - 11:15	Topological Vortex Phases in iron-based superconductors *Jiangping Hu (Institute of Physics, CAS (China))*
4	11:15 - 11:30	Imaging the Superfluid Density in $FeTe_{0.55}Se_{0.45}$ *Damianos Chatzopoulos (Leiden University (Netherlands))*
5	11:30 - 11:45	Global phase diagram of 1111-type iron-based superconductor RFeAs$_{1-x}$(P/Sb)$_x$O$_{1-y}$(F,H)$_y$ (R=La and Nd) with various parameters of local crystal structure and electron doping level *Shigeki Miyasaka (Osaka University (Japan))*

09:45 - 11:30		**Oral Presentation**
Sa-AM-1E Ferroelectricity-based phenomena	**Chair:** ***T. Arima***	**Event Hall East (1F)**
1	09:45 - 10:15	Superconductivity and Magnetism at Ferroelectric Critical Point. *Alexander Balatsky (NORDITA (Sweden), UCONN (United States of America))*
2	10:15 - 10:45	Superconductivity near a ferroelectric quantum critical point in La-doped $SrTiO_3$ *Yasuhide Tomioka (National Institute of Advanced Industrial Science and Technology (Japan))*
3	10:45 - 11:15	Emergence of a quantum coherent state at the border of ferroelectricity *Matthew John Coak (University of Warwick (UK),University of Cambridge (UK))*
4	11:15 - 11:30	Magnetic Control of Ferromagnetism and Ferroelectricity in $BiFeO_3$ *Masashi Tokunaga (University of Tokyo (Japan))*

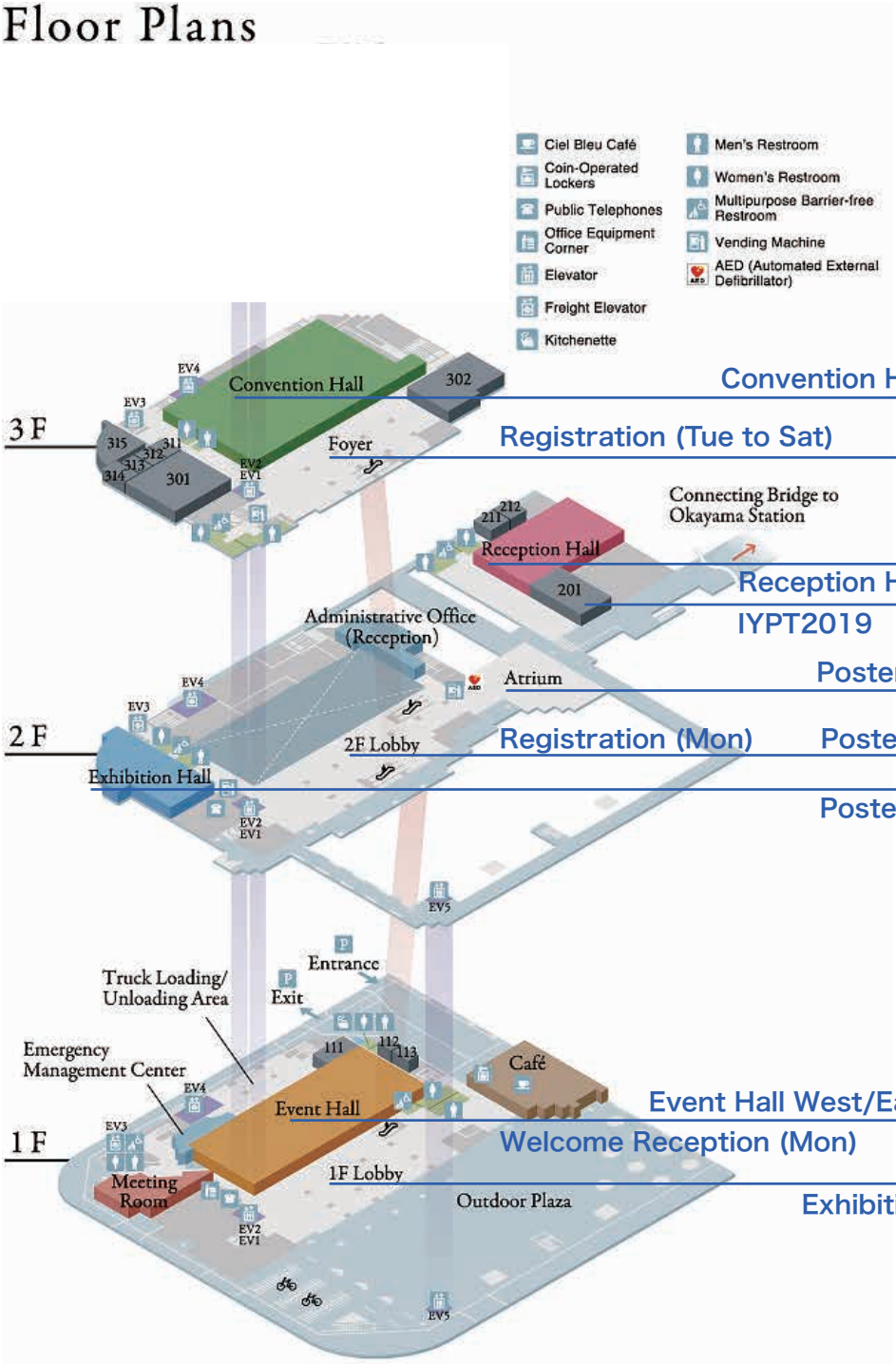
09:45 - 11:45		**Oral Presentation**
Sa-AM-1W Novel techniques for SCES investigations	**Chair:** ***S. Ohara***	**Event Hall West (1F)**
1	09:45 - 10:15	X-ray Free-Electron Lasers – A New Probe for Quantum Matter *Simon Gerber (Paul Scherrer Institut (Switzerland))*
2	10:15 - 10:45	Ultra-high resolution capacitive dilatometry under extreme conditions *Robert Kűchler (Max Planck Institute for Chemical Physics of Solids (Germany), Augsburg University (Germany))*

3	10:45 - 11:15	Photoinduced nonequilibrium response in cuprate superconductors probed by time-resolved terahertz spectroscopy *Nan-Lin Wang (Peking University (China))*
4	11:15 - 11:30	Direct Imaging of Orbitals using Inelastic X-Ray Scattering *Liu Hao Tjeng (Max Planck Institute for Chemical Physics of Solids (Germany))*
5	11:30 - 11:45	MIEZE neutron spin echo spectroscopy of strongly correlated electron systems *Christian Franz (Technische Universität München (Germany))*

Saturday 28 September

Closing	***Chair: H. Amitsuka***	**Convention Hall (3F)**
12:00 - 12:30	Summary Talk *Hilbert von. Löhneysen (Karlsruhe (Germany))*	
12:30 - 13:00	Announcement about LT29 Announcement about next SCES Closing Address	

Floor Plans


Ciel Bleu Café
Coin-Operated Lockers
Public Telephones
Office Equipment Corner
Elevator
Freight Elevator
Kitchenette
Men's Restroom
Women's Restroom
Multipurpose Barrier-free Restroom
Vending Machine
AED (Automated External Defibrillator)
3 F
Convention Hall
302
315
312
311
313
314
301
Foyer
EV4
EV3
EV2
EV1
Connecting Bridge to Okayama Station
211
212
Reception Hall
201
Administrative Office (Reception)
Atrium
2 F
2F Lobby
Exhibition Hall
EV5
Entrance
Exit
Truck Loading/ Unloading Area
Emergency Management Center
111
112
113
Café
Event Hall
1 F
Meeting Room
1F Lobby
Outdoor Plaza
Convention Hall
Registration (Tue to Sat)
Reception Hall
IYPT2019
Poster A
Registration (Mon)
Poster L
Poster E
Event Hall West/East
Welcome Reception (Mon)
Exhibition