

Program

Jan. 8th

**Multipurpose space, 2nd Floor, The University of Tokyo Kashiwa Campus Station
Satellite, 178-4, Wakashiba, Kashiwa, Chiba**

Registration

17:00- Registration

Evening session and reception

17:30-19:00

Jan. 9th

**Lecture room, 6th Floor, Institute for Solid State Physics, the University of Tokyo,
Kashiwa, 5-1-5, Kashiwanoha, Kashiwa, Chiba**

Registration

8:30- Registration

Opening

9:00-9:05 Welcome Address by Director

9:05-9:10 Welcome address from Korean side (Sung-Min Choi)

9:10-9:15 Welcome Address by President of JSNS

9:15-9:20 Report on recent J-K collaboration

9:20-10:30 (15min. x 2 + 20min. x 2) Facility reports

Mitsuhiro Shibayama, ISSP. "Current Status of ISSP NSL" (15 min.)

Masayasu Takeda, JAEA, "Current status of JRR3" (15 min.)

Toshiji Kanaya, J-PARC/KEK, "Current status of J-PARC/MLF" (20 min.)

Sungil Park, KAERI, "Current status of HANARO" (20 min.)

10:30-10:45 Coffee break/Poster session I

10:45-12:25(25min. x 4) Magnetism and strongly correlated electrons

Je-Geun Park, Seoul National University, "Magnon-phonon coupling of hexagonal manganites probed by inelastic neutron and X-ray scattering"

Sungdae Ji, Max Planck POSTECH Center, "Kitaev quantum spin liquid and its beyond"

Taro Nakajima, RIKEN, “Small angle neutron scattering study on magnetic skyrmions under various external stimuli”

Ryoichi Kajimoto, J-PARC, “Researches of magnetism and strongly correlated electron systems using the time-of-flight spectrometer 4SEASONS”

12:25-13:00 Lunch Break

(12:25-13:25) Business meeting @ 2nd meeting room

13:00-14:45 Poster session and Coffee

14:45-16:25 (25min. x 4) Magnetism and strongly correlated electrons

Jonathan Leiner, Seoul National University, “Magnetic Excitations of the Cu²⁺ Quantum Spin Chain in Sr₃CuPtO₆”

Haruhiro Hiraka, KAERI, “High-energy magnetic excitation of itinerant-electron antiferromagnet Cr studied on HRC and SIKI”

Minoru Soda, RIKEN, “Magnetic Anisotropy and Magnetoelectric Effect with Spin-Nematic Interaction”

Ki-Yeon Kim, KAERI, “Self-Assembly of Two-dimensional Layered Perovskite Thin Films”

16:25-16:40 Coffee break

16:40-18:20 (25min. x 4) Industrial use

Hyungsub Kim, KAERI, “Thermal phase stability studies on layered cathode materials for Li-ion batteries using combined in-situ high temperature neutron diffraction and gas Analyses”

Youngung Jeong, Changwon University, “Multiaxial flow stress measurement based on X-ray diffraction and uncertainty estimation by incorporating crystal plasticity to Monte Carlo method”

Soo Yeol Lee, Chungnam National University, “Microstructure and Mechanical Properties of AdditiveManufactured Stainless Steel”

Toshirou Tomida, Ibaraki Prefecture, “Industrial Use of Pulsed Neutron Beam Lines Established by Ibaraki Prefecture in J-PARC MLF”

19:00-21:00 Banquet @ lobby

Jan. 10th

Lecture room, 6th Floor, Institute for Solid State Physics, the University of Tokyo,
Kashiwa, 5-1-5, Kashiwanoha, Kashiwa, Chiba

9:00-9:50 (25min. x 2) Instruments, Software and Advanced Data Analysis

Kenji Ohyama, Ibaraki University, “Novel usage of neutrons White neutron holography for investigations of local atomic structures”

Kosuke Hiroi, J-PARC, “Development of a magnetic imaging technique using pulsed polarized neutrons at J-PARC MLF”

9:50-10:40 (25min. x 2) Magnetism and strongly correlated electrons

Shinichi Itoh, KEK, “A trial of observation of quantum phase on HRC”

Sungkyun Park, Pusan National University, “Strain-induced uniaxial magnetic anisotropy variation in epitaxial CoFe₂O₄ thin films”

10:40-11:00 Coffee Break/Photo session

11:00-11:25 (25min. x 1) Magnetism and strongly correlated electrons

June Hyuk Lee, KAERI, “Atomically Engineered Oxide Layers for Novel Magnetoelectric Phenomena”

11:25-12:05 (20min. x 2) Young scientists

Keisuke Matsuura, University of Tokyo, “Spin-Orbital Correlated Dynamics in the Spinel-Type Vanadium Oxide MnV₂O₄”

Shohei Hayashida, ISSP, “Pressure-induced Quantum Phase Transition in Singlet Ground State Magnet CsFeCl₃ Investigated by Neutron Scattering”

12:05-13:05 Lunch break

13:05-14:05 (20min. x 3) Young scientists

Jongsoon Kim, Sejong University, “Development of new 4V-class and zero-strain cathode material for Na ion batteries using neutron diffraction”

SeungHwan Do, Chung-Ang University, “Majorana fermions in the Kitaev quantum spin system α -RuCl₃”

Johannes Reim, Tohoku University, “Spin wave excitations under strong frustration in the layered kagome compound CaBaCo₂Fe₂O₇”

14:05-15:20 (25min. x 3.) Bio, Soft matter and liquid

Soohyung Choi, Hongik University, "Structure of Complex Coacervate Core Micelles"

Koichiro Hori, KEK, "Structure and Mechanical Properties of Elastomer at Surface-modified Carbon Interface"

Tae-Hwan Kim, Chonbuk National University, "Small Angle Scattering Study on Phase Transition of Amphiphilic Molecules in Aqueous Solution"

15:20-15:35 Coffee break

15:35-17:15 (25min. x 4) Bio, Soft matter and liquid

Xiang Li, ISSP, "Structure analysis of critical gelation cluster on the basis of 3D phase diagram"

Takeshi Yamada, CROSS, "Dynamical Behavior of Hydration Water Molecules between Phospholipid Membranes"

Myung Chul Choi, KAIST, "Assembly Architectures of Protein Nanotubes Triggered by Cationic Molecules"

Jaseung Koo, KAERI, "Neutron reflectivity measurements for diffusion dynamics of polymer melts confined between graphene oxide sheets"

17:15-17:30 Closing

Summary of the conference

Announce for next conference and closing remarks