

Program of Yonezawa Conference

Monday, 13th

17:00-19:00

Welcome Reception (Guest House of Yamagata Univ. 1st floor)

Tuesday, 14th

Centennial Hall of Yamagata University, 1st floor

8:15-9:00

Registration

9:00-9:20

Opening Speech: S. Ohshima (Yamagata University)

Welcome Speech H. Iizuka (Yamagata University)

9:25-10:30 Special Session 1 (Session chair : K. Nakajima)

S1-1 T. Yamashita	CW THz Emissions from NIMS of Tsukuba, Defense Academy and Yamagata Univ. (Tohoku Univ. and Nagaoka Univ. of Technology)
S1-2 C.K. Ong	Spintronics: Spin Generation, Detection and Devices (National University of Singapore, Singapore)

10:30-10:40 Coffee break

10:45-11:55 Special Session 2 (Session chair : HC. Yang)

S2-1 B. S. Cao	The Research on HTS Filter Subsystems in Tsinghua University: Key Techniques and Application on Mobile Communication (Tsinghua University, China)
S2-2 H-J. Lee	Novel Features of Graphen-Based Josephson Junctions (Pohang University of Science and Technology, Korea)

12:00-13:00 Lunch

13:00-15:10 Oral presentation 1 (Session chair : H-J. Lee)

O1-1 H-E Horng	Magnetic Nanoparticles in Biomedical Applications (National Taiwan Normal University, Taiwan)
O1-2 J. Chen	Superconducting High Frequency Detectors in RISE (Nanjing University, China)
O1-3 A.Fujimaki, S.Taniuchi, H.Ito, K.Sota, K.M.Tanaka, H.Akaike	Impact of Low-Temperature Magnetic Materials on Superconductor Digital Electronics (Nagoya University, Japan)
O1-4 M. Kusunoki	Fabrication of High Temperature Superconducting Nanowire (Kinki University, Japan)

15:10-15:30 Coffee break

15:30-17:40 Oral presentation 2 (Session chair : S.Y. Lee)

O2-1 H. Maeda	Advances in REBCO Magnet Technology (RIKEN, Japan)
O2-2 T. Iwai ,K. Nemoto, T. Kayama	Heavy Ion Radiotherapy Project at Yamagata University Hospital (Yamagata University, Japan)
O2-3 C. Otani	Development of Microwave Kinetic Inductance Detectors for CMB Polarization Observations (RIKEN, Japan)
O2-4 T. Tachiki ,T. Uchida	Evaluation of Radiation Properties in Terahertz-wave Oscillators Using Bi-2212 Intrinsic Josephson Junctions (National Defense Academy of Japan)

18:30-21:00 Banquet Dinner (Uesugi Hakusyaku-Tei)**Wednesday, 15th****9:00-10:40 Oral presentation 3 (Session chair : J. Chen)**

O3-1 Annick Degardin	YBCO Thin Films: From the Well-Known Superconducting to the Less-Known Semiconducting Properties (UPMC Sorbonne University, France)
O3-2 K. Tsukada	High-Sensitive Measurement by HTS-SQUID Magnetometer (Okayama University, Japan)
O3-3 S. Tanaka, H. Murata, T. Oishi, T. Suzuki	Magnetic Nanoparticle Imaging Using High-Tc SQUID (Toyohashi University of Technology, Japan)

10:40-10:50 Coffee break**10:50-12:20 Oral presentation 4 (Session chair : A. Saito)**

O4-1 S. Y. Lee	Standardization of The Measurement Technique for the Intrinsic Surface Impedance of Superconductor Films (Konkuk University, Korea)
O4-2 N. Sekiya	Design of Superconducting Dual-Band Bandpass Filter Using Stub-Loaded Resonators (University of Yamanashi, Japan)
O4-3 T. Akao, T. Onda, Z. Chen	Microstructure Control and Performance Enhancement of Thermoelectric Materials (Tottori University, Japan)

12:20-13:15 Lunch

13:15-14:55 Oral presentation 5 (Session chair : T. Uchida)

O5-1 A. Kreisler	YBCO-Based Radiation Thermal Detectors: Cooled and Uncooled IR and THz Devices (UPMC Sorbonne University, France)
O5-2 M. Tonouchi	Nonlinear THz Response of Superconductive Thin Films and Metamaterials (Osaka University, Japan)
O5-3 H. Yamada, A. Saito, S. Ohshima, K. Nakajima	Grain Boundary Josephson Junction Detectors for THz Wave (Yamagata University, Japan)

14:55-15:10 Coffee break**15:10-16:50 Oral presentation 6 (Session chair : Annick Degardin)**

O6-1 S. Ariyoshi	Optical Evaluation of NbN-Based Microwave Kinetic Inductance Detectors in Terahertz Range (Nagoya Institute of Technology, Japan)
O6-2 D. Okai*, A. Yamamoto*, T. Doi**	Fabrication of Iron Sheets by RABiTs for YBCO Coated Conductor Tapes (*University of Hyogo, Japan) ,(**Kyoto University, Japan)
O6-3 M. Miura	Strongly Enhanced In-Field Properties in REBCO Coated Conductors With Nanoparticles (Seikei University, Japan)

Poster Session**17:30-19:00 (Session chairs : H. Yamada, Y. Narita)**

P1 K. Ichikawa	Surface Resistance of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Thin films Fabricated on MgO Substrates Decorated by BaZrO_3 Nanoislands under DC Magnetic Fields (Yamagata University, Japan)
P2 Y. Ogawa	Evaluation of Microwave Crosstalk between Dual-Function Spiral Strips for MKIDs (Yamagata University, Japan)
P3 T. Kato	Superconducting Transmit Filters using Disk- and Ring-Type Bulk Resonator (Yamagata University, Japan)
P4 A. Kuroda	Compact HTS Duplexers using CQ Structure with High Q_u Resonator (Yamagata University, Japan)
P5 S. Sakamoto	Critical Current Density of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Films on Flexible Substrates under Bending Strain (Yamagata University, Japan)
P6 T. Yamada	Design and Fabrication of HTS RF Coils for 700 MHz NMR (Yamagata University, Japan)

P7 Y. Yoshida	Preparation of YBCO Films on Groove Surface MgO Sunstrates and it's Jc Properties (Yamagata University, Japan)
P8 C. Azuma	Fabrication and Evaluation of SIS Junction using a Single Crystal Nb Film (Yamagata University, Japan)
P9 K. Koshita	Design of 700MHz NMR HTS Pickup Coils ~Resonance Frequency Tuning Using Sapphire Plate~ (Yamagata University, Japan)
P10 M. Kondo	Dependence of Crystalline and Surface Resistance of $YBa_2Cu_3O_{7-\delta}$ Thin films on Film Thickness (Yamagata University, Japan)
P11 Y. Suzuki	Study on UV-light-irradiation Tuning Method for High-Speed Tunable Filter (Yamagata University, Japan)
P12 R. Tsurui	Power-Handling Capability of Superconducting Filter with Increasing the Number of Bulk Resonators (Yamagata University, Japan)
P13 Zhang Dan	Measuring and Correction Method of Oxygen Content in $La_{2-x}Sr_xCuO_y$ Superconductors with the Dissolved Oxygen Sensor (Yamagata University, Japan)
P14 S. Takeno, W. Kimura	Terahertz Wave Emission from Intrinsic Josephson Junction made of Thin $Bi_2Sr_2CaCu_2O_{8+\delta}$ Films (Yamagata University, Japan)

Thursday, 16th

9:00-16:00 Technical tour

High Field Laboratory for Superconducting Materials

(Tohoku University, in Sendai)

Boat tour (from Shiogama to Matsushima)

Booking Hotel: Hotel Sokan (near Matsushima Bay)

Friday, 17th

9:00-11:30 Sightseeing and tour Zuiganji Temple