

Invited Speakers of ISEC09 (June 17-19, 2009)

Plenary

1. Dr. Jaw-Shen Tsai (NEC, Japan)
Advances in Superconductive Qubits
2. Prof. Hannes Nowak (Jena Univ. Germany)
Advances in SQUID technology from biomagnetism to ultra low-field MRI
3. Dr. Oleg Mukhanov (Hypres, USA)
Digital RF Receiver System

Selected Topics

1. Dr. Y. H. Lee (KRISS, Korea)
Present status and future prospect of magnetocardiogram
2. Dr. Edward Romans (London Centre for Nanotechnology, UK)
Fabrication and Properties of nano-SQUIDs
3. Dr. Kohei Nakayama (Toshiba, Japan)
Hybrid Transmitting Filter with Cavities and HTS Resonators for Weather Radar
4. Dr. Yoh Takei (JAXA, Japan)
Development and evaluation of TES X-ray microcalorimeter arrays and frequency division signal multiplex system
5. Prof. Lutfi Ozyuzer (Izmir Institute of Technology, Turkey)
Terahertz Wave Emission from Intrinsic Josephson Junctions of High-Tc Superconductor
6. Dr. Jia Du (CSIRO, Australia)
THz imaging using HTS junction detector (tentative)
7. Prof. Naofumi Takagi (Nagoya Univ. Japan)
Hardware algorithms for SFQ arithmetic circuits

Invited Speakers of SSV and JSPS-146 Joint Workshop (June 16, 2009 at the same site of ISEC)

1. Prof. Vasili Semenov (Stony Brook Univ., USA)
Fundamentals of RSFQ LSI Technology (tentative)
2. Dr. David Olaya (NIST, USA)
New Junction Technology for Integrated Circuits (tentative)
3. Prof. Pascal Febvre (Univ. Savoie, France)
Digital magnetometers based on the Single-Flux-Quantum technique

4. Prof. Masashi Mukaida(Kyushu Univ., Japan)
The present state and subjects in Iron family superconducting films
5. Prof. John Clarke (UC Berkeley, USA)
Progress in SQUID Microtesla NMR and MRI
6. Prof. Jian Chen (Nanjing University, China)
Low Noise Superconducting Hot Electron Bolometers at Terahertz Waveband
7. Prof. Takashi Noguchi (NAO, Japan)
Superconducting tunnel junction detectors for submillimeter-wave astronomy