

## **POSTER SESSION – Wednesday afternoon**

<b>Topic colour codes</b>
1. SQUIDs, SQIFs and SQUID Applications
2. Superconductor Photon Detectors, e.g. SSPD, TES, STJ
3. Superconductor Device Fabrication/Processing/Scale-up
4. Superconductor Electronics for Microwave, THz and Communications
8. Other Novel Devices and Applications

<b>Code</b>	<b>Name</b>	<b>Organisation</b>	<b>Abstract title</b>
Wed-P- 01	Wu Long	SIMIT	<b>Spin Measurement Based on Nano-SQUID Detected Electron Spin Resonance</b>
Wed-P- 02	Kehuan Linghu	Peking University	<b>The temperature-controlled relaxation rate <math>r_1</math> of the Gd(III) contrast magnets with the HTS SQUID-based Ultra low field NMR system</b>
Wed-P- 03	Longqing QIU	Shanghai Institute of Microsystem and Information Technology (SIMIT), Chinese Academy of Sciences (CAS), CHINA	<b>Recent Progress of the LTS-SQUID Based Airborne Full Tensor Gradiometers in SIMIT</b>
Wed-P- 04	Xue Zhang	State Key Laboratory of Functional Materials for Informatics, Shanghai Institute of Microsystem and Information Technology (SIMIT), Chinese Academy of Sciences (CAS)	<b>Fabrication of sub-micron Josephson tunnel junctions with cross-line process</b>
Wed-P- 05	Jun Wu	Shanghai Institute of Microsystem and Information Technology, CAS	<b>Some Flight Test Result of Airborne Superconducting Full Tensor Magnetic Gradient in China</b>
Wed-P- 06	Inwook Kim	Institute for Basic Science	<b>AMoRE-Pilot Detectors</b>

Code	Name	Organisation	Abstract title
Wed-P- 07	Yifeng PEI	Shanghai Institute of Microsystem and Information Technology (SIMIT), Chinese Academy of Sciences (CAS), CHINA	Removal of geomagnetic field variation in TEM survey using LT SQUID as B sensor
Wed-P- 08	Silvia Ruffieux	Chalmers University of Technology	Inductance in high-Tc SQUID magnetometers: kinetic and geometric terms affect sensitivity
Wed-P-09	Mehdi Shafiee	Nazarbayev University	Large-format microwave Kinetic inductance detectors for mm/submm and optical Astronomy
Wed-P-27	Mehdi Shafiee	Nazarbayev University	ECL Microwave kinetic inductance detectors
Wed-P-10	Hao Li	Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences (SIMIT, CAS)	Improving system detection efficiency of SNSPD using multilayer antireflection coating
Wed-P-11	wentao Wu	Chinese Academy of Sciences	Fabrication and Optimization of AlMn Film for Transition Edge Sensor
Wed-P-12	chengjun zhang	Shanghai Institute of Microsystem and Information Technology (SIMIT)	NbN superconducting nanowire single-photon detector with an active-area of 300 $\mu\text{m}$ -in-diameter
Wed-P-13	Heqing Wang	Shanghai Institute of Micro-system and Information Technology	Fast and high efficiency superconducting nanowire single photon detector at 630 nm
Wed-P-14	Valentina Ceriale	University of Genoa- Department pf Physics	Development and characterization of single photon TES detectors for an investigation of the VUV region
Wed-P-15	Nobuyuki Zen	AIST, JAPAN	Physical Properties of Niobium Superconducting Strips with widths less than 1 mm
Wed-P-16	Bo GAO	Shanghai institute of microsystem and information technology, Chinese Academy of Sciences	Study of cryotron-type superconducting switches for the readout of TES
Wed-P-17	Sora Kim	Institute for Basic Science	Critical temperature switch development for metallic magnetic calorimeters
Wed-P-18	Liliang Ying	Shanghai Institute of Microsystem and Information Technology (SIMIT)	Development of 4-layer-Nb process for SQF circuits
Wed-P-19	lina Sang	ISEM, university of wollongong	In-situ hydrostatic pressure induced giant enhancement of flux pinning and significant suppression of magnetic relaxation in Fe-based superconductors and YBCO coated conductors

Code	Name	Organisation	Abstract title
Wed-P-20	Huiwu Wang	Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences	<b>Dependence of electrode thickness on critical current in NbN/AlN/NbN Josephson junctions</b>
Wed-P-21	Flavio Gatti	University of Genova, Italy	<b>The Cosmic Ray TES detector for the cryogenic focal plane of ATHENA x-ray Telescope</b>
Wed-P-22	Flavio Gatti	University of Genova	<b>Fabrication and Noise performance of Large Area TES spiderweb bolometer for CMB polarization mission</b>
Wed-P-23	Colin Pegrum	University of Strathclyde	<b>Simulation of Terahertz Harmonic HTS Mixers with Zero DC Bias</b>
Wed-P-24	Simon Lam	CSIRO, Australia	<b>Characterisation of focused ion beam fabricated YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> hot electron bolometer</b>
Wed-P-25	Ting Zhang	UTS	<b>An 8-12 GHz HTS Balanced Josephson Mixer</b>
Wed-P-26	DoHyung Kwon	University of Science and Technology	<b>Stabilization heater development for AMoRE detectors</b>