

Session Program

17-21 Sept 2017



EUCAS 2017

Poster : 3EP1 - Microwave devices and SQUID application

Geneva, CIG

Wednesday 20 September

13:30

Poster : 3EP1 - Microwave devices and SQUID application

Poster Session | Location: Geneva, CIG

3EP1-01 Josephson parametric amplifiers based on quadratic nonlinearity of rf SQUIDs operating at 4.2 K

Speaker

Marat Khabipov

3EP1-03 Utilizing HTS Resonators as NMR Transmit Coils

Speaker

William Brey

3EP1-04 Analysis of characteristics of Al MKID resonators

Speaker

Takashi Noguchi

3EP1-05 A RF test vehicle for superconductor electronics interconnect

Speaker

Vladimir Talanov

3EP1-06 Study of Impedance Optimization between Modelling and Measurement of a Ka-band HTS MMIC Josephson Mixer

Speaker

Ting Zhang

3EP1-07 Trimming Mechanism of External Quality Factor in HTS Bandpass Filter using Bulk Resonator

Speaker

Atsushi Saito

3EP1-08 Coupled superconducting resonators for tunneling-defect studies and qubit applications

Speaker

Bahman Sarabi

3EP1-09 Development of near infrared and visible Kinetic Inductance Detectors (KIDs) for astronomy

Speaker

Samir Beldi

3EP1-10 Two Dimensional Scanning of Intermodulation Distortion in Superconducting Resonators

Speaker

Stephen Remillard

3EP1-11 Long period of time cooling technique using liquid nitrogen for HTS-SQUID systems

Speaker

Tsunehiro Hato

3EP1-12 Miniaturized Multi-Band HTS Bandpass Filter Design Using Single Perturbed Multimode Resonator with Multi-Transmission Zeros**Speaker**

Jiaming Tang

3EP1-13 Compact Quad-Channel High Temperature Superconducting Diplexer Based on Stub-Loaded Square Ring Resonators**Speaker**

Ping Gui

3EP1-14 Design of Transmitting Filter using Cascaded Quadruplet Superconducting Bulk Resonator**Speaker**

Takafumi Saito

3EP1-15 HTS dual-band bandpass filter with independently tunable center frequencies**Speaker**

Naoto Sekiya

3EP1-17 Recently Developed Microwave Devices Based On High-TC Superconducting Films**Speaker**

Liang Sun

3EP1-18 Terahertz Radiation above 1 THz from intrinsic Josephson stack fabricated by acid modification process**Speaker**

Takahiro Kato

3EP1-19 Design of compact and high pole HTS tri-band bandpass filters using a new feeding structure**Speaker**

Takahiro Unno

3EP1-20 Design and Fabrication of HTS Pick-up Coil for Field-Swept Solid-State NMR**Speaker**

Atsushi Saito

3EP1-21 Voltage Oscillations with Magnetic Flux in Thermally Hysteretic Nano-SQUIDS Based on Superconducting Weak Link**Speaker**

Sourav Biswas

3EP1-22 Low-Loss Capacitively-Coupled Frequency Tuning and Impedance Matching Circuitry for HTS Based rf MRI Coils and Arrays**Speaker**

Jarek Wosik

3EP1-23 Non-resonant microwave absorption in nano nickel added YBCO superconducting powders

Speaker

Fhulufhelo Nemangwele

15:30