

Session Program

17-21 Sept 2017



EUCAS 2017

Poser : 1EP3 - Squids

Geneva, CIG

Monday 18 September

13:30

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Poster Session | Location: Geneva, CICC

1EP3-01 Ultrasound-Induced Magnetic Imaging of Tumors Targeted by Biofunctional Magnetic Nanoparticles

Speaker

Jen-Jie Chieh

1EP3-02 Rapid and quantitative discrimination of tumour cells on tissue slices

Speaker

Herng-Er Horng

1EP3-03 Investigation of geomagnetic orientation preserved in a stain containing iron compounds using a vector-type SQUID magnetometer

Speaker

Yoshiaki Adachi

1EP3-04 Detection of Biological Targets Using HTS SQUID and Magnetic Markers

Speaker

Keiji Enpuku

1EP3-05 Ion implantation generation of normal/superconducting junctions for fabrication of all niobium SQUIDs

Speaker

Yanping Zhang

1EP3-06 Development of eddy current testing system using HTS-SQUID on a hand card for detection of fatigue cracks of steel plate used in highway roads

Speaker

Akira Tsukamoto

1EP3-07 Analysis of AC Impedance in Localized Region Using Magnetic Field Distribution Measured by HTS-SQUID

Speaker

Kenji Sakai

1EP3-08 Ultra-sensitive SQUID system for pulsed field applications

Speaker

Rainer Körber

1EP3-10 Cryogenic Current Comparators for larger beamlines

Speaker

Paul Seidel

1EP3-12 Adaptive suppression of power line interference in ultra-low field magnetic resonance imaging in an unshielded environment

Speaker

Quan Tao

Low liquid helium consumption SQUID system with liquid nitrogen cooling interlayer for biomagnetism

Speaker

Li Lu

1EP3-14 Detection of pressure-overloaded left ventricular hypertrophy based on current dipole estimation from magnetocardiograms of rats using HTS-SQUID system

Speaker

Yuto Tsukamoto

1EP3-15 The Study of Several System Key Parameters for the Measurement of Airborne Superconducting Full Tensor Magnetic Gradient

Speaker

Jun Wu

1EP3-16 Superconductive Resonator Configuration with Flux-Focuser as Ground Plane for RF-SQUID Magnetometer

Speaker

Fatemeh Qaderi

1EP3-17 SQUID magnetometer system for high-sensitivity measurement of geomagnetic signals

Speaker

Jun Kawai

1EP3-18 Measurement of Magnetic Nanoparticles by Small HTS SQUID Array

Speaker

Saburo Tanaka

1EP3-19 High-Tc SQUID detected low-field NMR and MRI for biomedical application

Speaker

Shu-Hsien Liao

1EP3-20 Development of a LTS-SQUID Based Airborne Full Tensor Gradiometers

Speaker

Longqing Qiu

1EP3-22 Cryptophane-Caged Xe-129 Relaxation Agent in Ultra-low Field NMR/MRI Based on High-Tc SQUID Detection

Speaker

Quan Tao

1EP3-23 High sensitivity analysis of the magnetization properties of magnetic nanoparticles changed by the viscosity of the water solution using HTS-SQUID

Speaker

Ryota Isshiki

1EP3-24 Multipoint measurement of T (0, 1) mode guided wave using HTS-SQUID gradiometer

Speaker

Natsuki Masutani

1EP3-25 Sensitivity improvement of sample rotation measurement method in HTS-SQUID magnetometer for measurement of diamagnetic materials

Speaker

Yuta Nakamura

15:30