

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Thu-Po-3.1

CICG - GENEVA, Switzerland
Rue de Varembe 17, 1202 Genève

Thursday 25 July

14:00

Thu-Po-3.1: Cryo-aerospace, Quantum Systems & Materials

Poster Session | Location: Poster area | Convener: Alisdair Douglas Seller

Impact of cold finger geometry on low temperature pulse tube cooler performances

Speaker

Mr Lucas Methivier

Development of cryogenic cooling system for low emission future aircrafts

Speaker

Mr Swapnil Kharche

Heat Dissipation induced by Microvibrations in Low Temperature Systems

Speaker

Thomas Adam

The Mode Selector Mechanism (MSM): a bi-stable cryo-actuator operated at 4.2K

Speakers

Mr Etienne Lallemand, Mr Tanguy Thibert

A hybrid ^3He Joule-Thomson cryocooler using a spiral flow channel evaporator for space applications

Speaker

Ziyao Liu

A comparative study of rapid chill-down technologies in cryogenic applications

Speaker

Minsub Jeong

Cryogenic liquid propellant densification system using multiple ejectors

Speaker

Dr Jisung Lee

Experimental investigation and performance prediction of cryogenic temperature sensor for cryogenic rocket engine using artificial intelligence techniques

Speaker

D.S. Nadig

Design and Performances of an Optical Cryostat at 2 K

Speaker

Mr Marek Zeman

A Comprehensive Overview of Gravity Measurement Utilizing a SQUID

Speaker

Dr Gracia Kim

Analytical model for the calculation and optimisation of cryogenically cooled current leads and wire interconnects

Speaker

Suzanne Dang

Design and Performances of a Table-Top 500 mK Cryostat for a 100 Spin-Qubits Quantum Computing Application

Speaker

Dr victor doebele

A user-tuneable heat link for use at temperatures below 4K

Speaker

Mr Benjamin Steele

16:00