

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Tue-Po-1.2

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

Tuesday 23 July

14:00

Tue-Po-1.2: Cryocoolers, Dilution Refrigerators & Magnetic coolers

Poster Session | **Location:** Poster area | **Convener:** Patricia Tavares Coutinho Borges De Sousa

Experimental Study of a Coupled Stirling Generator-Pulse Tube Cryocooler System Driven by a Stirling Engine

Speaker

yanjie Liu

Magnetocaloric alloys for active magnetic regenerative refrigeration

Speaker

Eunjeong Kim

Experimental study of a single-stage adiabatic demagnetization refrigerator

Speaker

Lingjiao Wei

Experimental and numerical study of a modified condensation-driven dilution refrigerator

Speaker

Weijun Cheng

Experimental study of a Dilution Refrigeration Unit for space applications

Speakers

Zijie Pan, Lingjiao Wei, Ziyao Liu

Thermodynamic analysis of a high cooling capacity dilution refrigerator under the critical velocity limitation of the dilute phase

Speaker

Shiguang Wu

Investigation and optimization of the continuous and discrete heat exchangers in the mK dilution refrigerator for cooling superconducting quantum chips

Speaker

Yujia Zhai

Cryogenic thermoelectric coolers with different passive branches

Speaker

Hongwei Zhang

Numerical and experimental study of a single-loop cryogenic pulsating heat pipe

Speaker

Abhinav Singh

Development of the 4 K G-M assisted J-T cooler with off-the-shelf mini compressor

Speaker

Giorgio Ghilardi

Development of a 2 kW Class Two-Stage Cascade Type Mixed Refrigerant Joule-Thomson Refrigerator for Semiconductor Etching Process with Cooling Temperature Below -100°C**Speaker**

Cheonkyu Lee

Design methodology of a Mixed Refrigerant Joule-Thomson (MRJT) cryocooler**Speakers**

Darshit Parmar, M D Atrey

Experimental study on a 1.3 W@4.2 K GM type pulse tube cryocooler**Speakers**

Prof. Xuming Liu, Prof. Changzhao Pan

Computational Fluid Dynamic Studies of Miniature Pulse Tube Cryocoolers**Speaker**

Rajendra Kumar

Pulse tube refrigerator with shared inertance tube**Speaker**

Shurui Zhang

Optimizing of regenerator materials for a high-frequency pulse tube cryocooler working below 3 K**Speaker**

Biao Yang

Experimental and theoretical investigation to study pressure drop in regenerators**Speakers**

Parikshit Badhe, Praveen Topagi

16:00