

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Tue-Po-1.5

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

Tuesday 23 July

14:00

Tue-Po-1.5: Expanders, Pumps, Compressors, Regenerators & other devices

Poster Session | **Location:** Poster area | **Convener:** Xiujuan Xie

Experimental study of the thermo-hydraulic performance of 3-stream plate-fin heat exchanger

Speaker

Prof. Parthasarathi Ghosh

Numerical and Experimental Study on Dynamic characteristics of gas spring resonant system

Speaker

Ziyao Liu

Evaluation on the operational state of turboexpanders in a helium refrigerator for nuclear fusion experimental devices using principal component analysis

Speaker

Dr Tetsuhiro Obana

Dynamic temperature variation of insulation materials for solid-phase cold storage tank of liquid air energy storage

Speaker

Ms Yihan Tian

The experimental investigation of gas-coupled free piston Stirling generators

Speaker

Ziyao Liu

Investigation on the dynamic response of aerostatic bearings-rotor system with different bearing gas

Speaker

Prof. Liqiang Liu

Study on motion characteristics of check valve in reciprocating liquid hydrogen pumps

Speaker

Shaoqi Yang

Thermal characterization of a three-fluid cryogenic heat exchanger

Speaker

Carlos Hernando

The Influence of Filling Ratio and Number of Turns on Heat Transfer Performance of Nitrogen Pulsating Heat Pipe

Speaker

Jixiang Yan

Investigation on multi-stage centrifugal cold compressors in superfluid helium cryogenic system

Speaker

Jihao Wu

Porous-medium modelling for CFD simulation of perforated plate heat exchangers for cryogenic applications**Speaker**

Dr TAPAS KUMAR NANDI

Experimental characterization of a compact centrifugal pump for liquid helium transfer**Speaker**

Johannes Doll

Numerical and parametric analysis of Regenerator used in miniature Stirling cryocooler based on SWaP-C objectives for HOT IR technology**Speaker**

Prof. Dr. Zhang Xiaoqing

Design and Development of Cryogenic Dewar**Speaker**

Prof Swapan Chandra Sarkar

Cryopumps applied to Fusion Energy - MAST-U Enhancements Double Beam Box System**Speaker**

Kiyana Patel

16:00