

Session Program

9-13 Jul 2023



CEC/ICMC 2023 Abstracts & Technical Program

C1Or3A: Aerospace Coolers II: JT

Hawaii Convention Center

Sunday 9 July

16:15

C10r3A: Aerospace Coolers II: JT

Session | **Location:** 317 | **Conveners:** Ian McKinley, Mr Peter Bradley

16:15–16:30

C10r3A-01: Performance Optimization of a 4K Hybrid JT Cooler for the HUBS Mission

Speaker

Yuxue Ma

16:30–16:45

C10r3A-02: Effect of working fluid on performance of a 4.5K JT cooler

Speaker

Dr Weibo Chen

16:45–17:00

C10r3A-03: Further experimental work in mixed-gas Joule-Thomson cryocooling

Speaker

Dr Jennifer Detlor

17:00–17:15

C10r3A-04: Performance of a single-stage mixed refrigerant miniature Joule-Thomson cryocooler operating at 90-100 K for space applications

Speaker

Mr Murthy V V S

17:15–17:30

C10r3A-05: Development of thin-plate sorption compressor and miniaturized check valves for 5 K J- T cooler.

Speaker

Junhyuk Bae

17:30–17:45

C10r3A-06: Experimental Performance of a Modified Collins Cycle Cryocooler for In-space Applications

Speaker

Carl Bunge

17:45