

Session Program

9-13 Jul 2023



CEC/ICMC 2023 Abstracts & Technical Program

M3Or1A: Cryogenic Materials Testing and Methods II

Hawaii Convention Center

Tuesday 11 July

09:30

M3Or1A: Cryogenic Materials Testing and Methods II

Session | **Location:** 318 | **Conveners:** Dr Xuan Peng, Ignacio Aviles Santillana

09:30–09:45

M3Or1A-01: Cryogenic Hydrogen and testing methods: microstructural and mechanical properties under cryogenic hydrogen environment

Speaker

Klaus-Peter Weiss

09:45–10:00

M3Or1A-02: Investigating the applicability of existing mechanical test standards for fibre-reinforced polymer matrix composites at cryogenic temperatures

Speaker

Nassos Spetsieris

10:00–10:15

M3Or1A-03: Development of measurement tools and protocols for shear strength measurements of cryogenic epoxy interfaces

Speaker

Aniket Ingrole

10:15–10:30

M3Or1A-04: Design and Analysis of Wavelength-selective Nanofibers as Compact and Lightweight Thermal Coatings for Cryogen Applications in Deep Space Missions

Speaker

Prof. Shankar Narayan

10:30–10:45

M3Or1A-05: Cryogenic material testing with gaseous hydrogen for hydrogen-electric aircraft propulsion

Speaker

Fabien Ebling

10:45–11:00

M3Or1A-06: Dimensional stability of cryotreated diaphragms of pressure transducers

Speaker

Mr D.S. Nadig

11:00