

## Session Program

18-22 May 2025



## CEC/ICMC 2025 Abstracts & Technical Program

### ***M1Po3B - Mechanical and Thermal Properties of Materials at Low Temperature***

Peppermill Reno  
2707 S. Virginia St. Reno, NV 89502

# Monday 19 May

14:00

## **M1Po3B - Mechanical and Thermal Properties of Materials at Low Temperature**

**Poster Session** | **Location:** Exhibit Hall, Tuscany Ballroom

### **M1Po3B-01: Fatigue analysis of Stirling cryocooler flexure springs for long space mission lifetime**

**Speaker**

Raymond Feng

### **M1Po3B-02: Characterizing niobium fatigue failure near 20 K**

**Speaker**

Md Shakil Mahmood

### **M1Po3B-05: Exploring Cryogenic Properties of 3-D Printed Materials using FDM and SLA Techniques**

**Speaker**

Eveke Calixtro

### **M1Po3B-03: Mechanical Properties of Stainless-Steel co-wind Tapes for REBCO magnets**

**Speaker**

Dr Aniket Ingrole

### **M1Po3B-06: Inconel 625 flange development for Cu-based superconducting radio frequency cavities**

**Speaker**

Adam O'Brien

### **M1Po3B-04: Assessing the Adhesion of Nanofibrous PVDFHFP as Passive Thermal Control Coatings for the Extraterrestrial Storage of Cryogenic Propellants**

**Speaker**

Chieloka Ibekwe

16:00