

## Session Program

18-22 May 2025



## CEC/ICMC 2025 Abstracts & Technical Program

### *M3Or2A - High Purity Aluminum for Low Temperature Conductor Applications*

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

## Wednesday 21 May

11:15

### M3Or2A - High Purity Aluminum for Low Temperature Conductor Applications

Session | Location: Naples 4/5

11:15-11:45

**M3Or2A-01: [Invited] The effects of monotonic and cyclic plastic strain at 4.2K on the electrical resistivity of bulk Al High Purity Aluminum”**

**Speaker**

Karl Hartwig

11:45-12:00

**M3Or2A-02: Developing practical Cryogenic high purity aluminum (HPAL) conductor to enable high speed power density motors and generators.**

**Speaker**

Dr Xuan Peng

12:00-12:15

**M3Or2A-03: The Ultrafine Copper-Clad Super-High-Purity Aluminum Wires**

**Speaker**

Dr Akihiro Kikuchi

12:15-12:30

**M3Or2A-04: Investigating the impact of tensile stress-induced/annealing-affected dislocation and grain boundary on the performance of High Purity Aluminum Wire by EBSD.**

**Speaker**

Mr Yang Guo

12:30-12:45

**M3Or2A-05: Impact of anomalous magnetoresistance and cyclic deformation on RR values of HPAL composites at low temperatures**

**Speaker**

Mr Jin Kwon

12:45