

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

M2Or4B - Growth & Characterization of REBCO and Iron-based Superconductors

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

Tuesday 20 May

16:15

M2Or4B - Growth & Characterization of REBCO and Iron-based Superconductors

Session | Location: Naples 4/5

16:15-16:45

M2Or4B-01: [Invited] High quality FF-MOD REBCO films prepared from ready-made REBCO

Speaker

Prof. Jun-ichi Shimoyama

16:45-17:00

M2Or4B-02: Systematic Studies to Enhance Flux Pinning of (BaZrO₃/YBa₂Cu₃O_{7-x})_N Multilayer Thin Films for the Full Landscape of T = 5K to 77K

Speaker

Timothy Haugan

17:00-17:15

M2Or4B-03: Role of Ca diffusion in BaZrO₃ nanorods/YBa₂Cu₃O_{7-x} multilayer nanocomposite films

Speaker

Dr Judy Wu

17:15-17:30

M2Or4B-04: Charge carrier density and critical current density variations of superconducting layers of GdBCO and EuBCO coated conductors as a result of high pressure oxygenation

Speaker

Tetiana Prikhna

17:30-17:45

M2Or4B-05: Rapid engineering short-segmented columnar defects in seconds for 20 MA/cm² supercurrent density in iron-based superconductors

Speaker

Chiheng Dong

17:45-18:00

M2Or4B-06: Increased nonreciprocal current in iron-based superconductor antiferromagnet interface

Speaker

Mr Christopher Luth

18:00