

Session Program

9-13 Jul 2023



CEC/ICMC 2023 Abstracts & Technical Program

M3Or3J: Latest Development in Flux Pinning & Critical Current - non-REBCO

Hawaii Convention Center

Tuesday 11 July

14:00

M3Or3J: Latest Development in Flux Pinning & Critical Current - non-REBCO

Session | Location: 318 | Conveners: Eric Hellstrom, Leonardo Civale

14:00-14:20

M3Or3J-01: [Invited] Dual Flux Pinning Mechanisms and the Effect of Microstructure on Pinning and Critical Current in APC Nb₃Sn

Speaker

Jacob Rochester

14:20-14:40

M3Or3J-02: [Invited] APC Nb₃Sn conductors: opportunities and challenges

Speaker

Xingchen Xu

14:40-15:00

M3Or3J-03: [Invited] Critical current hysteresis and flux pinning in 7 core Cu/Ag/(Ba, K)Fe₂As₂ tapes

Speaker

Prof. Satoshi Awaji

15:00-15:20

M3Or3J-04: [Invited] Overview of the effect of ion irradiation in cuprate and iron-based superconductors

Speaker

Toshinori Ozaki

15:20-15:40

M3Or3J-05: [Invited] Flux pinning performance of FeSe_{0.5}Te_{0.5} thin films modified by low-energy ion irradiation

Speaker

Prof. Toshinori Ozaki

15:40-16:00

M3Or3J-06: [Invited] Effect of metamaterial engineering on the superconductive properties of ultrathin layers of NbTiN

Speaker

Dr Michael Osofsky

16:00