

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Wed-Or9

CICG - GENEVA, Switzerland
Rue de Varembe 17, 1202 Genève

Wednesday 24 July

11:00

Wed-Or9: Stress & Strain Effects

Session | Location: Room B+C | Convener: Jun Lu

11:00-11:30

Can Stainless Steel Meet the Challenges of Future Cryogenic Engineering Systems?

Speaker

Ignacio Aviles Santillana

11:30-11:45

Transverse stress limits of Bi-2212 Rutherford cables at 11 T, 4.2 K

Speaker

Simon Otten

11:45-12:00

Onset of mechanical degradation due to transverse compressive stress in Nb₃Sn Rutherford cables as a function of heat treatment and impregnation.

Speaker

Kirtana Puthran

12:15-12:30

Design and application of HTS magnet for magneto-hydro-dynamic plasma shielding in radio blackout and heat flux mitigation experiments

Speaker

Sonja Schlachter

12:30-12:45

The mechanical research on high strength CICC jacket with $YS > 1500\text{MPa}@4.2\text{K}$ used for future fusion magnets

Speaker

Weijun Wang

12:45-13:00

Impact of hydrogen embrittlement on cryogenic mechanical properties of 304 steel

Speaker

Klaus-Peter Weiss

13:00