

Session Program

17-21 Jun 2013



ICMC-2013, the International Cryogenics Materials Conference

Mechanical Properties of Structural Materials

Tuesday 18 June

13:30

Mechanical Properties of Structural Materials: 1MOrD1 orals

Session | **Location:** Kahtnu 1 | **Conveners:** Robert Walsh, Toshio Ogata

13:30–14:00

[Invited] Estimation of uncertainty for Fatigue crack growth rate at cryogenic temperatures

Speaker

A. Nyilas

14:15–14:30

Welded tie plate feasibility study for ITER Central Solenoid structure

Speaker

R.P. Walsh, et al.

14:30–14:45

Effect of stress ratio on high-cycle fatigue properties of Ti-6Al-4V ELI alloy forging at low temperature

Speaker

Y. Ono, et al.

14:45–15:00

Stress-induced martensitic transformation during tensile test of full-size TF conductor jacket tube at 4.2 K

Speaker

H.H. Yang, et al.

15:00–15:15

Cryogenic Mechanical Properties of Fusion-Welded Nitronic 50 Austenitic Stainless Steel

Speaker

E.N. Dalder, et al.

15:30