Session Program

13–18 Oct 2025

30th IAEA Fusion Energy Conference (IAEA FEC 2025)

Operation Control

Tianfu International Convention Center
Chengdu, China

Friday 17 October

08:30

Operation Control

Session | **Location:** Tianfu International Convention Center, Chengdu, China | **Convener:** Michael Porton

08:30–08:50
DEVELOPMENT OF DATA ASSIMILATION SYSTEM ASTI TOWARD DIGITAL TWIN CONTROL OF FUSION PLASMA

Speaker
Mr Yuya Morishita

08:50–09:10
TRT PLASMA CONTROL COMPLEXES CONCEPTUAL DESIGN ON THE BASE OF THE ITER FUSION TECHNOLOGY DEVELOPMENT

Speaker
Anatoly Krasilnikov

09:10–09:30   ITER DISRUPTION MITIGATION SYSTEM DESIGN AND APPLICATION STRATEGY

Speaker
Stefan Jachmich

09:30–09:50
Thermal quench dynamics and heat flux distribution during massive-impurity-injection triggered disruption in EAST

Speaker
Dr Long Zeng

09:50–10:10
ANALYSIS AND SIMULATION OF EFFECTIVE RUNAWAY ELECTRON MITIGATION USING A PASSIVE COIL IN J-TEXT TOKAMAK

Speaker
Chang Liu

10:10