

Session Program

13–18 Oct 2025

30th IAEA Fusion Energy Conference (IAEA FEC 2025)

Scenarios & Control

Friday 17 October

10:40

Scenarios & Control

Session | Location: Chengdu, China | Convener: Dr Wulyu Zhong

10:40–11:00

Development of Low Inductive Electric Field Plasma Start-up in JT-60SA

Speaker

Dr Takuma Wakatsuki

11:00–11:20

MULTI-MACHINE VALIDATION OF PLASMA INITIATION MODELLING AND PROSPECTS FOR FUTURE DEVICES

Speaker

Dr Hyun-Tae Kim

11:20–11:40

DEVELOPMENT OF EQUILIBRIUM CONTROL SIMULATOR AND EXPERIMENTAL VALIDATION OF ADVANCED ISO-FLUX EQUILIBRIUM CONTROL DURING THE FIRST OPERATIONAL PHASE OF JT-60SA

Speaker

Shizuo Inoue

11:40–12:00

DIRECT CONTROL OF TURBULENCE FOR IMPROVED PLASMA CONFINEMENT

Speaker

Toshiki Kinoshita

12:00–12:20

PLASMA CONTROL EXPERIMENTS IN JET DEUTERIUM-TRITIUM PLASMAS

Speaker

Matteo Baruzzo

12:40