Session Program

Nov 15 – 19, 2021

MT27, 27th International Conference on Magnet Technology

THU-PO3-205 Fusion V: Toward DEMO

Fukuoka Convention Center

Thu, November 18

10:00 AM

THU-PO3-205 Fusion V: Toward DEMO

Poster Session | **Location:** Fukuoka Convention Center

A 3D electromagnetic model for eddy currents analysis in superconducting magnets for fusion applications

Speaker
Marco De Bastiani

Seismic analysis of magnet systems in helical fusion reactors designed with topology optimization

Speaker
Dr Hitoshi Tamura

Thermal Hydraulic Analysis of Toroidal Field Coil of CFETR

Speaker
Junjun Li

UPDATES ON CEA DESIGN AND EXPERIMENTAL ACTIVITIES ON EU DEMO TF

Speaker
Louis ZANI

A top-down modeling approach for DEMO magnetic system

Speaker
Prof. Daniela Boso

Comparative electromechanical study of different Nb3Sn CICC designs for tokamaks with FE simulations

Speaker
Rebecca Riccioli

Engineering the main structures of the DEMO fusion reactor magnet system

Speaker
Lorenzo Giannini

Preliminary Design of a High Current R&W TF Coil Conductor for the EU DEMO

Speaker
Pierluigi Bruzzone

Heat Treatment Optimization on Nb3Sn Strands Based on Electrical and Physical Properties

Speaker
Federica Dematte

DEMO fusion reactor Toroidal Field coil optimized layer-wound design

Speaker
Giordano Tomassetti

Thermal-hydraulic and quench analysis of EUROfusion DEMO PF coils

Speaker
Dr Mithlesh Kumar

Design of Quench Protection System for K-DEMO TF Magnet

Speaker
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Novel magnetic systems for high power microwave sources – challenges and prospects

Speaker
Prof. Mikhail Glyavin

Conceptual design of CRAFT TF coil heat treatment

Speaker
Dr Weijun Wang

12:00 PM