

Session Program

27 August 2017 to 1 September 2017



MT25 Conference 2017 - Timetable, Abstracts, Orals and Posters

Thu-Af-Po4.02

RAI Congress Center, Amsterdam, The Netherlands

Thursday 31 August

13:45

Thu-Af-Po4.02: Fusion Magnets: Design and Analysis

Poster Session | Location: Posters Area

PARAMETRIC ANALYSES OF JT-60SA TF COIL IN COLD TEST FACILITY WITH SUPERMAGNET CODE

Speaker
Sylvie NICOLLET

Numerical modelling of the quench propagation phase in the JT-60SA TF coils tested in CTF

Speaker
Mr Yawei HUANG

STATUS OF CEA MAGNETS DESIGN METHODS AND TOOLS AND APPLICATION TO EU DEMO MAGNETS DESIGN

Speaker
Louis ZANI

DEMO Central Solenoid Design Based on the Use of HTS Sections at Highest Magnetic Field

Speaker
Dr Rainer Wesche

LAMINAR SUPERCONDUCTING WINDINGS

Speaker
Prof. Evgeny Klimenko

Nonlinear multiscale structural analysis of a superconducting coil and support structure for the helical fusion reactor

Speaker
Dr Hitoshi Tamura

A momentum-preserved node concept for thermohydraulic analysis of fusion magnet

Speaker
Sangjun Oh

Thermo-hydraulic analysis of The KSTAR PF cryogenic loop using SUPERMAGNET CODE

Speaker
HyunJung Lee

Numerical Simulation of Thermal Behavior In a No-insulation Toroidal Magnet

Speaker
Yi Zhang

Advanced mathematical model of ITER PF1 coil for manufacture quality control

Speaker

Prof. Valery Belyakov

Thermohydraulic analyses on CEA concept of TF and CS coils for EU-DEMO**Speaker**

Dr Roser Vallcorba

Design, Construction and Testing of Reduced Insulation Solenoids for Fusion**Speaker**

Dr Yuhu Zhai

Development of a 2D simplified tool for the analysis of the cooling of the ITER TF winding pack**Speaker**

Dr Francesca Cau

Further development of fusion enabling systems in Russia: suggestions on superconductors and current leads for DEMO-FNS facility.**Speaker**

Dr Sergey Lelekhov

An Electromagnetic and Structural Finite Element Model of the ITER TF Coils**Speaker**

Gabriele D'Amico

ON A FULL 3D THERMAL STRUCTURAL AND HYDRAULIC FINITE ELEMENT MODEL OF THE JT-60SA TOROIDAL FIELD COILS**Speaker**

Dr Valerio Tomarchio

High Temperature Superconductors for Fusion Nuclear Science Spherical Tokamak**Speaker**

Dr Yuhu Zhai

Analysis of a protected Loss Of Flow Accident (LOFA) in the ITER TF coil cooling circuit**Speaker**

Laura Savoldi

Optimization of structural performance of the toroidal field coil system of a tokamak**Speaker**

Ilia Ivashov

15:30