

Session Program

Nov 15 - 19, 2021



MT27, 27th International Conference on Magnet Technology

WED-PO2-306 Resistive and Pulsed High-Field Magnets

Fukuoka Convention Center

Wed, November 17

10:30 AM

WED-PO2-306 Resistive and Pulsed High-Field Magnets

Poster Session | Location: Fukuoka Convention Center

Energy efficiency of resistive high field magnets - the role of magnet technology and power supply operation

Speaker

Kévin Paillot

Toward energy-efficient multi-step electromagnetic forming process by using a curved-geometry field shaper: Principle, Prototype Design, and Experiments

Speaker

Mr Zixuan Zhang

Toward flexible coil design for electromagnetic forming of both sheet and tubular metal by combining of coil and field shaper: Principle, Optimization, and Experimental validation

Speaker

Meng Li

Relaxation of residual stress in the aluminum alloy ring by electromagnetic bulging method

Speaker

Dr Xiaoxiang Li

Numerical simulation and experimental study on the composite process of electromagnetic and electro-hydraulic tube forming

Speaker

Yi Zhang

Design of Pulsed Magnet for Adjusting the Residual Stress Field in Large-size Aluminum Alloy Rings

Speaker

Yinghao Tang

Design of an Active Power Compensator for 60T Flat-top High Magnetic Field System

Speaker

Dake Li

Design of a new type of power supply similar to flat-top pulsed high magnetic fields

Speaker

Wei Fei

The research on the thermal deformation of Cu-Nb composites

Speaker

Mr pengfei Wang

Long Time Thermal Stability and Radiation Resistance of Nanostructured Microcomposite Wires Based on Cu-Nb Alloy

Speaker

Prof. Viktor Pantsyrny

Microanalysis of Glidcop® conductor, an alumina particle dispersion strengthened copper, for ultrahigh field pulsed magnet applications

Speaker

Dr Jun Lu

12:30 PM