



Contribution ID: 943

Type: **Regular 15 minutes Oral Presentation**

Recent Magnet and Material Development at the Pulsed Field Facility –NHMFL

Wednesday 30 August 2017 17:00 (15 minutes)

The National High Magnetic Field Laboratory's Pulsed Field Facility at Los Alamos National Laboratory develops and provides state-of-the-art ultra-high field pulsed magnets for scientific research. The facility houses several types of non-destructive pulsed magnets which can provide the peak magnetic fields ranging from 60 T to 100 T with different pulse length for users. This presentation will highlight the recent developments for the pulsed magnet technology at our facility. In addition, we also want to share invaluable lessons learned from recent failures of the magnets and discuss the possible solutions to improve magnet performance.

Submitters Country

USA

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Session Classification: Wed-Af-Or27

Track Classification: C2 - Resistive and Pulsed High-Field Magnets