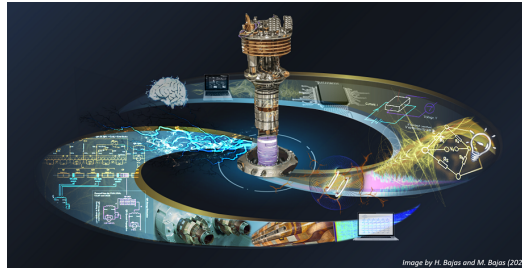


Lectures on Superconducting Magnet Test Stands, Magnet Protections and Diagnostics (as integral part of SMTF & IDSM Workshops)



Contribution ID: 12

Type: **not specified**

Aspects of quench detection and protection for HTS

Tuesday 6 June 2023 17:40 (1 hour)

About the lecture:

The course will cover various aspects of quench detection and protection for HTS. These include the methods used to detect quenches in HTS, the types of quench protection systems commonly used, and any challenges or limitations associated with these systems.

About the speaker:

Tim Mulder did his PhD in ATLAS magnet group at CERN via the University of Twente on the development of ReBCO CORC cables, followed by a fellowship at CERN working on several different HTS applications. He briefly worked at RWTH Aachen on the design of the large HTS magnet system for the AMS-100 experiment. After which he returned to CERN, where he now works in the Machine Protection group on the R&D of new protection concepts for both LTS and HTS magnets.

Presenter: Dr MULDER, Tim (CERN)