

Following the jointly organized 4th Workshop on **Superconducting Magnet Test Facility (SMTF)** and the 2nd Workshop on **Instrumentation and Diagnostics for Superconducting Magnets (IDSMT)** (<https://agenda.infn.it/event/32061/page/6654-introduction>), we are now contacting you with the invitation to a series of 20 lectures related to

Test, Instrumentation, Diagnostics and Measurement Methods for Sc Magnets

(TIDM² x Sc Magnets)



The lectures will be given by experts from worldwide laboratories and will be held from May the 30th to June the 12th 2023 via Zoom. We hope to see many of you joining!

The time slot for the lectures is from 16:30 to 18:40 with two 1-hour courses per day.

A dedicated room at CERN will be set for those who can and wish to follow the lectures together. Please check each day on the indico page the room number.

<https://indico.cern.ch/event/1281454/>

Registration is requested, but there are no fees. The abstract of each lecture is already visible on the indico page. The lectures will be recorded and open to download for three months.

Short description of the lectures:

- *The **first part** will address the various aspects linked to the construction of a **test facility** for superconducting magnet testing.*
- *The **second part** will focus on the means to **protect** superconducting magnets.*
- *The **third part** will deal with the **instrumentations and the diagnostics** tools used to probe the magnet behaviors (magnetics, electrics, optics, acoustics and mechanics).*
- ***Special course on fusion magnet protections and AC loss built-up in superconductor** will be given on the last day.*

Hugo Bajas (EPFL), Responsible of the Lectures and Marta Bajko (CERN), Chair of the SMTS Workshop