3rd International School on Modelling for Applied Superconductivity
Location: Hotel Allalin
June 6th - 10th 2022

Principal Lecturers
- Dr. Mark Ainslie, University of Cambridge, UK
- Dr. Satoshi Awaji, Tohoku University, Japan
- Dr. Arnaud Badel, Tohoku University, Japan
- Dr. Bernardo Bordini, CERN, Switzerland
- Dr. Luca Bottura, CERN, Switzerland
- Dr. Marco Breschi, University of Bologna, Italy
- Dr. Guillaume Dilasser, NeuroSpin, France
- Dr. Marc Dhaile, University of Twente, Netherlands
- Dr. Cristophe Geuzaine, University of Liège, Belgium
- Dr. Francesco Grilli, KIT, Germany

Contents
1. Superconductor modelling
2. Design principles, FEM, and numerical methods
3. Electro-thermal and Electro-magnetic aspects for HTS and LTS
4. Mechanics in superconducting magnets

A hands-on summer school
Design a hybrid high-field superconducting magnet
Lectures will be followed by computer based exercises, learn through interesting practical exercises in state-of-the-art software

This school is funded in part by:

EPFL
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CSC IEES

20 ECTS credits for PhD students

For more information: https://www.epfl.ch/labs/appliedsc/school/