Technical Student Programme: February 2019 – January 2020

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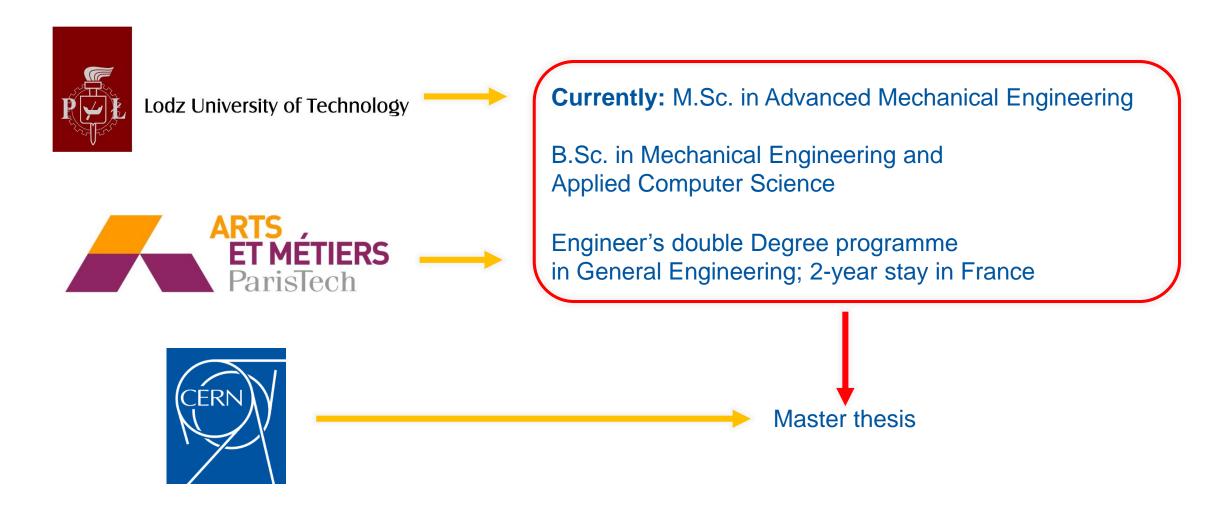








Academic Background





Scientific Projects



Lodz University of Technology

Bachelor thesis: Design of a modular apparatus for the production of nitric acid in electric discharge phenomena

Fluid-Structure Interaction modeling to estimate the lifetime of a centrifugal compressor



Experimental and theoretical modal analysis of the Solar Impulse plane model in scale





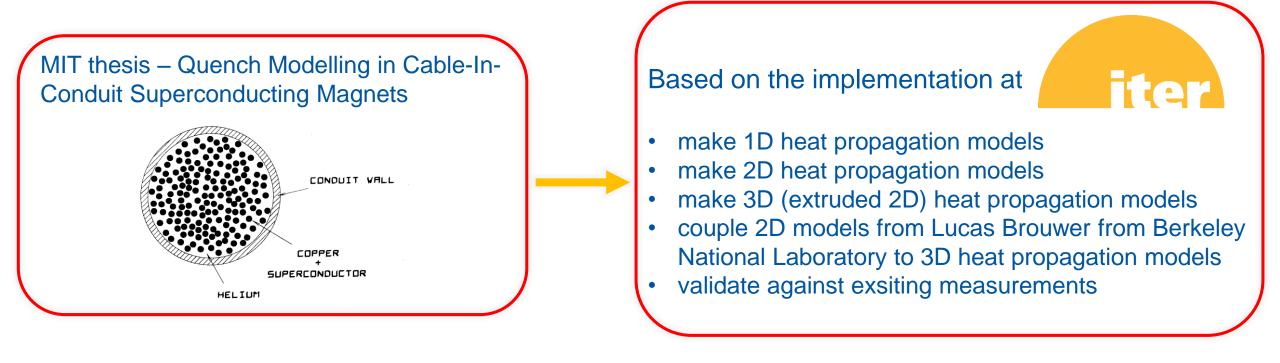
Simulation of a mechanical response to unbalanced currents in the 11T magnet protected by CLIQ system:

- → One-way coupling of ANSYS with Comsol modules via MpCCI interface
- → Project carried out in the STEAM



Project at CERN

• Warm up task: automatic stress data extraction from ANSYS for further analysis of critical parameters during quench in Nb₃Sn



- Rerun standalone 2D ANSYS models from Lucas Brouwer from Berkeley National Laboratory
- Automatic model generation of different model types (starting from existing tests)







