

FEDERICA MURGIA

TECHNICAL STUDENT

INTERESTS



FROM:



EDUCATION



EXPERIENCE



WORK



CONTACT

FROM





EDUCATION



Bachelor in Electrical
Engineering in Cagliari



Master in Energetic
Engineering in Bologna



EXPERIENCE

Trainee
Bologna University



Trainee
CERN



2017
2018

Trainee in Bologna University

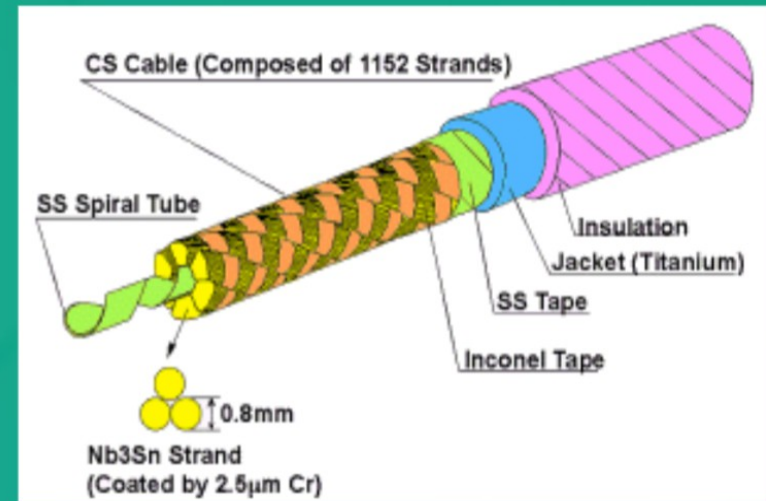


china eu india japan korea russia usa

Collaboration with ITER

Achievements & Responsibilities:

- TF cable (used for the ITER toroidal field)
- Validation and calibration of the model with experimental one
- Comparison between two simplified 3D models with Ansys-Maxwell



The ANSYS logo is displayed in a bold, sans-serif font. The word "ANSYS" is white, and the registered trademark symbol (®) is to its upper right. The logo is set against a black rectangular background.

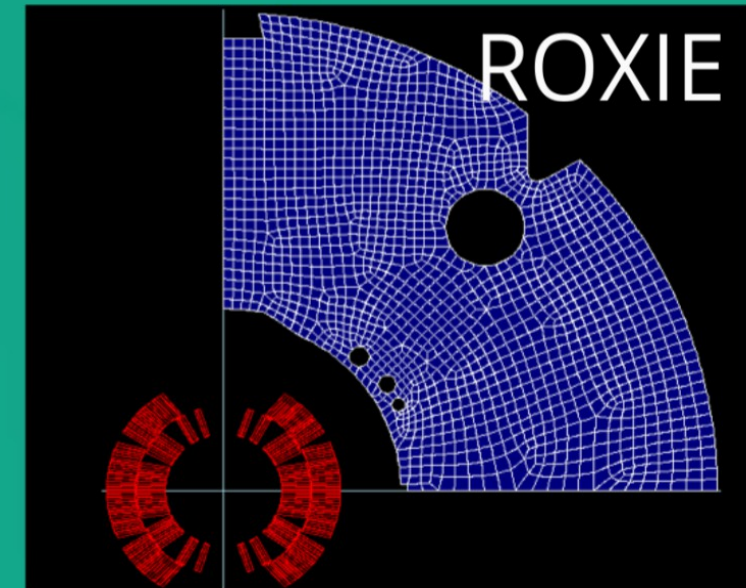
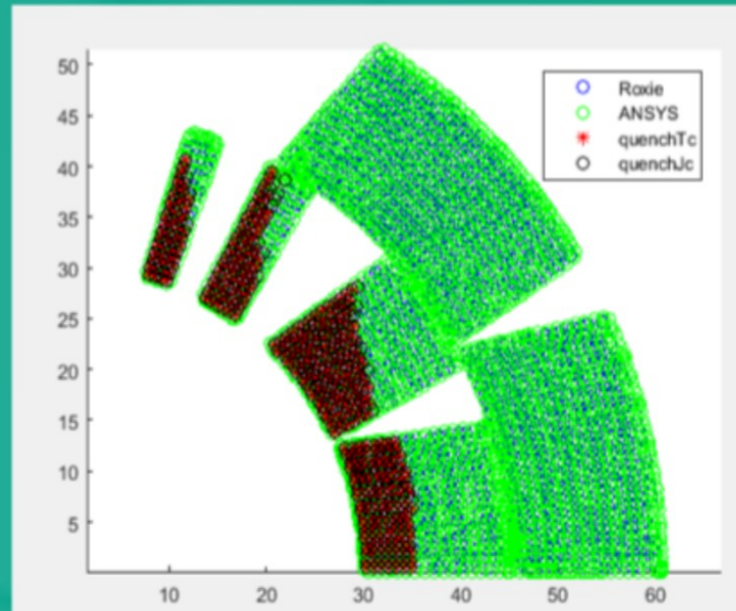
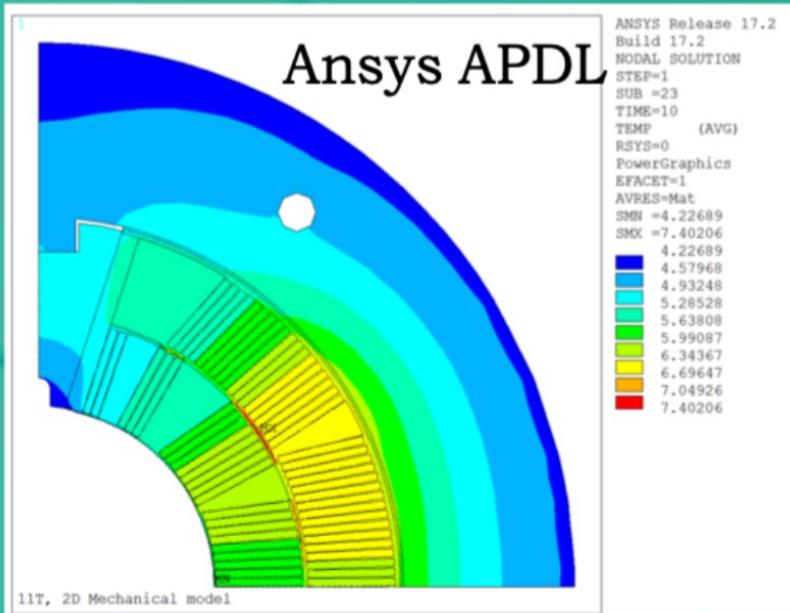
2018 Trainee at CERN



TE-MS-C group

Achievements & Responsibilities:

11T Analysis of the quench stability margin





TECHNICAL STUDENT

WORK

- Starting from: 1th July 2019
- In TE-MPE-PE
- Supervisor: Emmauele Ravaioli
- Main Project:

- work on LHC superconducting magnet circuit library

- First tasks:

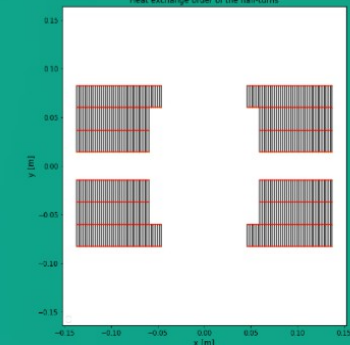
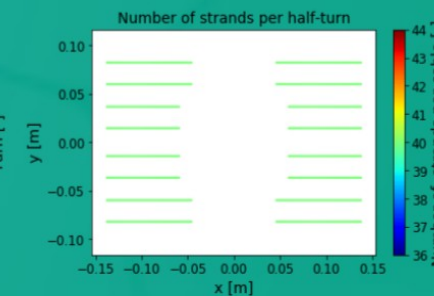
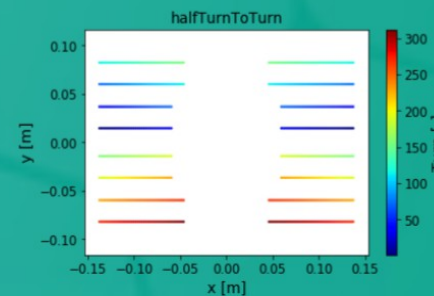
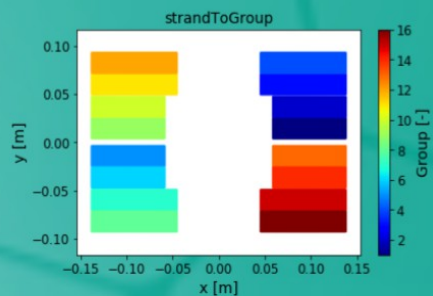
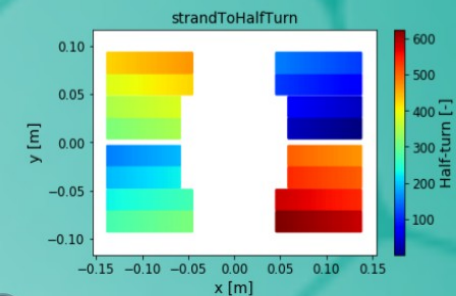
- RQ4 electrical circuit using PSPICE

- MQY magnet model using LEDET

- Co-simulation of PSPICE+LEDET models using COSIM

DONE FRESKA2 magnet model using LEDET

STEAM



INTERESTS



Thank you for
the attention!