

MASTER PROJECT GROUP PRE-MEETING

WINTER TERM 2022, ZOOM DIAL-IN

2022-10-11, Tuesday, 1 P.M.



Agenda

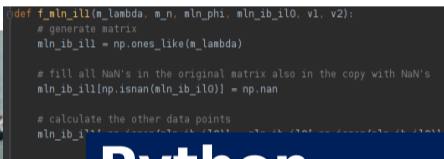
- Short pitch on the offered topics
- Introduction to mandatory pre-tests
- Q&A

ZOOM Meeting Credentials

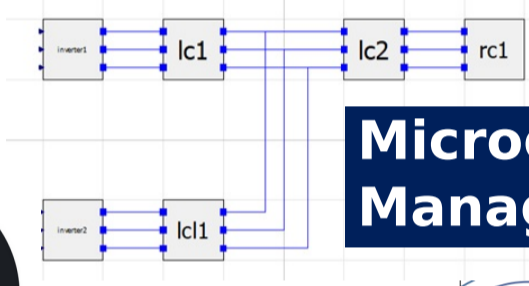
- Meeting ID: 971 9593 5806
- Login Code: 773138

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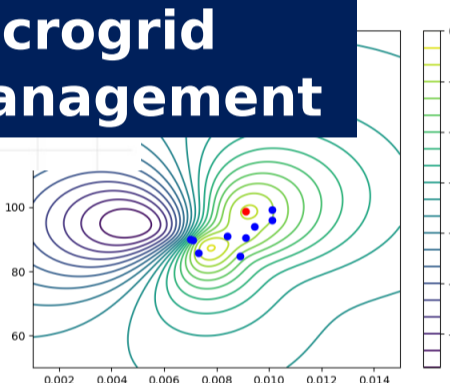
Topic #1: Reinforcement Learning for Energy Systems




Python Programming




Microgrid Management






GEM

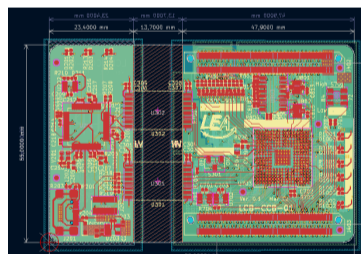


Electrical Drives

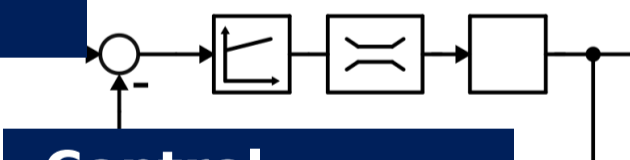


GitHUB

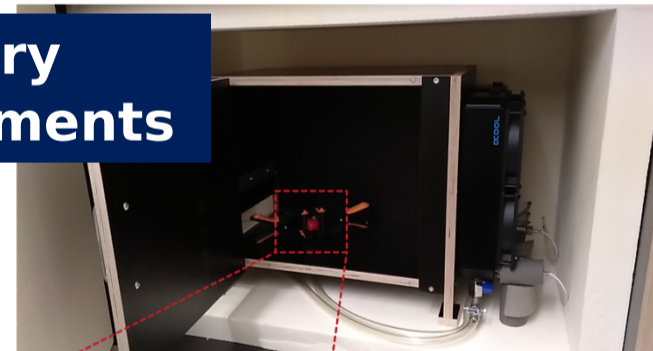
Topic #2: Calorimetric Measuring Chamber Optimization



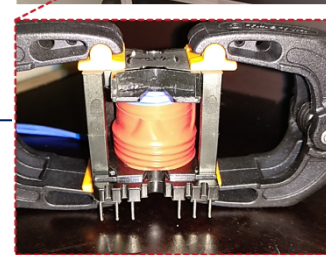
DCDC-Konverter Design incl. PCB Design



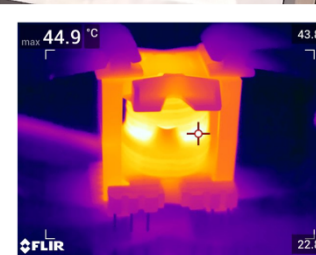
Control Engineering



Laboratory Measurements




Lab validation

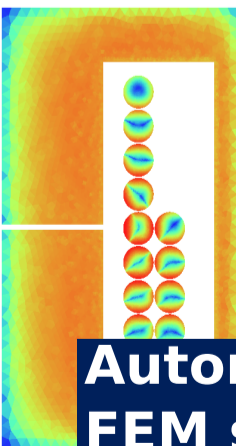


Topic #3: FEM Magnetics Toolbox

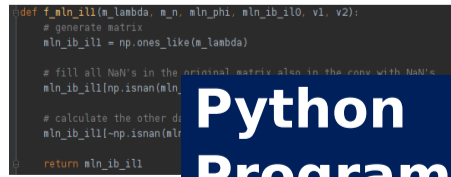
Contribute to an open source project

https://github.com/upb-lea/FEM_Magnetics_Toolbox





Automated FEM simulation



Python Programming