



EASISchool2

Saclay – Grenoble
September 30th April – October 4th 2019

Cryogenic Applications

- EASITrain – European Advanced Superconductivity Innovation and Training
<http://easitrain.web.cern.ch/research.html>
- Marie Skłodowska-Curie Action (MSCA) Innovative Training Networks (ITN) funding from the H2020 Framework Programme under grant agreement no. 764879
<http://easitrain.web.cern.ch/training.html>
- Training young researchers (15 students enrolled in PhDs)
<http://easitrain.web.cern.ch/TeamMain.html>
- Collaboration between academic institutes and industries exchanging and working in the domain of superconductivity and cryogenics from fundamental research to products
<https://easitrain.web.cern.ch/beneficiary.html>
- **EASISchool2** goal : present numerous **cryogenic applications** (applied superconductivity) from Industries and academic world

- **Session – Space and Aerospace applications**
 - Introduction to space missions and cryogenics
 - Coffee break
 - Cryogenic cooling technologies for space
 - Lunch
 - Cryogenics in satellites, motors and launch pads
 - Bus transfer from Minatec to Air Liquide factory
 - Visit: Air Liquide Advanced Technology at Sassenage
 - Identity document required
 - Back to Minatec or City center
 - Dinner at CAFFE FORTE at 19h30

- **Session – Large-scale refrigeration and liquefaction**
 - He Refrigeration & Liquefaction, storage and distribution
 - Coffee break
 - Safety design and H2 production
 - Lunch
 - Turbo-Brayton fridges
- **Session – Research & Innovation in industry**
 - Visit: CEA cryogenic lab
 - Identity document required

End of the school around 17h00