

Scuola Superiore di Catania

Corso interdisciplinare

a.a. 2019-2020

“Scienza, Innovazione e Sostenibilità dei sistemi energetici del futuro”

“Science, innovation and sustainability of the future energy systems”

- 1)- Introduction and overview for a sustainable energy development
- 2)- Facing a global energy transition
- 3)- The climate change debate: facts against fiction
- 4)- Scientific principles and technologies of harnessing and conversion o renewable energy sources
- 5)- Decarbonisation efforts: pushing the boundaries
- 6)- Capturing and storing CO₂: how is it possible?
- 7)- Latest advancement in the materials development applied to renewable energy
- 8)- Game-changing energy storage: will batteries be everywhere?
- 9)- Risk and benefits assessments for sustainable strategic decisions