



«Strongly dedicated to advancing the transition to renewable energy sources as a vital approach to addressing climate change»

CONTACT

Number: +39 327 8262460

Email: michele.agueci@unipa.it

LinkedIn: <https://www.linkedin.com/in/michele-agueci-1289801b8/>

REFERENCE

Professor. Emiliano Pipitone

Full-Time Professor of Internal combustion engines, Turbomachines, Energy systems, Compressor, Pumps
Email: emiliano.pipitone@unipa.it

LANGUAGES

- English, C1
- Spanish, A1
- Italian, native speaker

HARD SKILLS

- Solid Edge
- PTC Creo
- Ansys Fluent software
- Finite Element Method (FEM)

SOFT SKILLS

- Teamwork and collaboration
- Time Management and Organization
- Communication/Presentation
- Problem-Solving

HOBBIES

Waterpolo, hiking, cycling, running, sailing, freediving, padel, football and exploring nature.

MICHELE AGUECI

PHD STUDENT, MECHANICAL ENGINEER

Birth date: 24/09/1998

Based in Palermo, Sicily, Italy

EDUCATION

11/2023 - Present, Università degli Studi di Palermo (Palermo, Italy)

PHD student in mechanical, manufacturing, management and aerospace innovation

Design and optimization of renewable energy systems particularly offshore turbines like wind and tidal ones, with a focus on the Mediterranean Sea basin.

10/2020 - 10/2022, Università degli Studi di Palermo (Palermo, Italy)

Master's degree in mechanical engineering

Production planning, with a focus on the Italian landscape. Researching relevant regulatory frameworks and renewable energy technologies.

10/2017 - 07/2020, Università degli Studi di Palermo (Palermo, Italy)

Bachelor's degree in mechanical engineering

Captivated by machinery, diving deep into the workings of different thermodynamic devices like hydrokinetic turbines, steam turbines, turbopumps, and turbo compressors.

CONFERENCES AND SEMINARS

11-13/06/2024, Brussels (Belgium)

European Sustainable energy week 2024

The biggest annual event dedicated to renewables and efficient energy use in Europe. Main partners: the European Climate, Infrastructure and Environment Executive Agency (CINEA) and the Directorate-General for Energy.

10/2023 - 11/2023, Palermo (Italy)

Course on off-shore wind

It provides the educational tools to better understand offshore wind projects, covering:

- The technological challenges regarding the design, construction, and connection of offshore wind projects at great distances from the coast, which are sustainable from an economic and financial point of view.
- The challenges and opportunities for development regarding the Italian and European supply chain (infrastructure for maritime and land transportation, for the production of floaters and the necessary port areas, etc.).
- The regulatory and market landscape in Italy for offshore wind projects, emphasizing the implications for developers in complying with current legislation, including environmental constraints and engagement with local stakeholders.

Main partners: CNR/Istituto di Ingegneria del Mare, OWEMES, iLStudio Engineering & Consulting Studio srl, Studio di Ingegneria Antonio Nastri, Fincantieri, Prysmian Group, Renantis, University of Copenhagen.

WORK EXPERIENCE

01/2023 - 11/2023, Palermo (Italy)

Mechanical design engineer at Omer s.p.a.

I was responsible for the design, industrialization, and oversight of the production chain for railway furniture components across various international platforms. Software used: Solid Edge.

10/2022 - 11/2022, Genova (Italy)

Mechanical design internship at Alten

During my extracurricular internship, I focused on designing mechanical components in the railway sector. Software used: PTC Creo.

03/2022 - 06/2022, Bertinoro (FC, Italy)

Curricular internship at Hypertec Solution

I honed my technical skills in design and I learned to apply mechanical engineering principles to the design of efficient and reliable machines.