



Francesco Superchi

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Nationality: Italian

EDUCATION AND TRAINING

[01/01/2022 – Current]

PhD, Industrial Engineering

Department of Industrial Engineering - Università degli Studi di Firenze, Firenze (Italy)

Field(s) of study: Modeling of renewable energy systems | Power systems optimization | Machine learning for power production and load forecasting | Hydrogen and batteries energy storage | Wind and solar energy

[12/10/2019 – 12/10/2021]

Master's Degree in Energy And Nuclear Engineering

Politecnico di Torino, Torino (Italy)

Field(s) of study: Renewable energy systems

Final grade: 110/110 cum laude

Thesis: Machine learning strategies assessment for energy commodities forecasting Renewable power production (Solar photovoltaic systems, Solar thermal technologies, Wind and ocean energy plants), Energy Systems Management (Thermal design and optimization, Energy networks, Smart electricity system, Energy economics) and Energy Storage Technologies (Energy storage, Polygeneration and advanced energy systems).

[10/10/2016 – 06/07/2019]

Bachelor's Degree in Mechanical Engineering

Università degli Studi di Firenze, Firenze (Italy)

Final grade: 108/110

Thesis: Water desalination process powered by renewable energy

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Programming languages: Python, MATLAB | Microsoft Office: Word, Excel, Powerpoint | Simulation programs: AspenPlus, Simulink, WASP