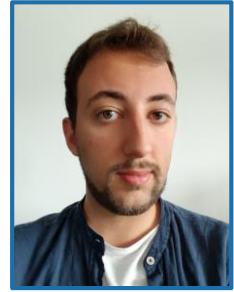


# Lorenzo RINALDI

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🎂 2 March 1994  
🇮🇹 Nationality: Italian



## PROFESSIONAL EXPERIENCE

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UNESCO Chair - SESAM group - POLITECNICO DI MILANO

Apr 2018 – ongoing

### Research fellow

Working on the following projects:

- “BOA\_MA\_NHA, Maputo!”, a study for the integrated development of the area of Maputo province in Mozambique
- “ILUMINA” programme with AICS Maputo, which aims at improving access to electricity, capacity building and women empowerment in Mozambique

### 150 hours collaboration

- Design of SESAM group website: [sesam.polimi.it](http://sesam.polimi.it)

### Other collaborations

- “Performance measurement systems of energy projects, synergies and matches with the Multi-Tier Framework (M”, project commissioned by *Enel Foundation* in collaboration with *ESMAP* (World Bank). Definition and coordination of field activities and local stakeholders interaction.

Federazione Italiana Pallacanestro FIP

2012 – 2016

### Basketball referee

## EDUCATION

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POLITECNICO DI MILANO

Sep 2016 – Apr 2019

MSc in Energy Engineering – Energy for Development

104/110

Thesis title: Multi-Year Capacity-Expansion Modelling of Hybrid Microgrid within a Comprehensive Design Framework

*This work led to the development of an open-source model for time-evolving decentralised systems for rural electrification, able to provide a possible capacity expansion strategy in relation with the expected electricity demand growth*

Courses: Energy conversion, Heat and Mass transfer, Advanced Thermodynamics and Thermoeconomics, Engineering and Cooperation for Development, Development Economics, Heating and Cooling Systems, Electric Power Systems, Electrochemical Energy Conversion and Storage

## SKILLS

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### LANGUAGES

Italian: Native  
English: Working Proficiency  
Certificates: Cambridge ESOL FCE – Grade A

### SOFTWARE

#### **Programming**

Python  
MATLAB

#### **3D Modelling**

Autodesk Inventor  
SolidWorks

#### **Others**

Microsoft Office  
Wordpress  
Homer PRO  
Adobe Lightroom