

## CURRENT POSITION

---

[ 11/01/2023 – Current ]

### Ph.D. Student at Sapienza University of Rome

I am currently pursuing a Ph.D. in Engineering and Applied Science for Energy and Industry at Sapienza University of Rome (39th cycle), where my research focuses on energy systems and grid integration. I work on advanced Energy Communities and renewable energy integration strategies, supported by a grant from the Italian Ministry for NEST project. My work includes exploring final use optimization, sustainability and resilience in energy supply chain, preparing me to contribute to advancements in Grid integration of renewable energy resources, Microgrid/Smart grid, and Energy Communities modelling.

Google Scholar link is in additional information.

**Link:** <https://scholar.google.com/citations?user=5ALFFOcAAAAJ&hl=en&oi=ao>

[ 09/25/2024 – Current ]

### Teaching Assistant

As a Graduate Teaching Assistant for the "Electrical Power Systems" course at Sapienza University of Rome, I assisted the professor Maria Carmen Falvo in managing class activities, supporting students, and support their their theses for master's students.

## EDUCATION AND TRAINING

---

### MASTER OF ELECTRICAL ENGINEERING

*Sapienza Università di Roma* [ 2019 – 2022 ]

**City:** ROMA | **Country:** Italy | **Website:** [www.uniroma1.it](http://www.uniroma1.it) | **Final grade:** 106 | **Thesis:** PROFITABILITY OF HOUSEHOLD PHOTOVOLTAIC SELF-CONSUMPTION IN ITALY

During my master's thesis research, much was learned from Professor Luigi Martirano, my professional supervisor. The subject of renewable energy and economic evaluations had been approached with great enthusiasm.

### ERASMUS EXCHANGE STUDENT GRANT

*University of Sevilla* [ 09/2021 – 03/2022 ]

**City:** Sevilla | **Country:** Spain | **Website:** [www.us.es](http://www.us.es) | **Field(s) of study:** Master Thesis | **Thesis:** Research cooperation

During the Erasmus program, I researched renewable energy resources and found a pragmatic thesis area with my professional co-supervisor, Prof. Juan Manuel Roldan Fernandez.

## BACHELOR DISSOLUTE IN POWER TECHNOLOGY ENGINEERING-TRANSMISSION AND DISTRIBUTION NETWORKS

*University of Applied Science and Technology* [ 2007 – 2009 ]

**City:** Mashhad | **Country:** Iran | **Website:** [www.mapsab.ir](http://www.mapsab.ir)

## ASSOCIATE DEGREE IN ELECTROTECHNICS INDUSTRIAL ELECTRICITY

*University of Imam Khomeini Technical & vocational* [ 2004 – 2006 ]

**City:** Sabzevar | **Country:** Iran | **Website:** [www.p-sabzevar.tvu.ac.ir](http://www.p-sabzevar.tvu.ac.ir)

## PUBLICATIONS

---

[2024]

**Energy Communities Development: A Review of Challenges and Opportunities** Presented in 24th IEEE International Conference on Environment and Electrical Engineering at Sapienza University of Rome.

Saeed Khorrami, Maria Carmen Falvo, Massimo Pompili

[2024]

**A Review on Energy Communities Development Opportunities and Challenges: in German, Spain, Italy** Before submission on IEEE ACCESS Journal.

Saeed Khorrami, Maria Carmen Falvo

[2024]

**Volumetric Add-Ons to The Retrofit Strategy With An Emphasis on The Multi-Benefit Approach Toward The nZEBs Target** was accepted in Sustainability (ISSN 2071-1050) on 03 July 2024.

Maryam Khazaei; Siamak Hoseinzadeh; Saeed Khorrami; Davide Astiaso Garcia; Mosè Ricci

[2024]

**Cost-benefit Analysis of PV Self-Consumption in Residential Sector in Italy** Presented at the 11th Iranian Conference on Renewable Energy and Distribution Generation (ICREDG), 2024.

Saeed Khorrami; Maryam Khazaei; Juan Manuel Roldán-Fernández; Luigi Martirano

[2023]

**EVALUATING ELECTRICITY BILL SAVINGS OF SELF-CONSUMPTION PV** Presented at the 7th National Conference of Applied Researches in Electrical Engineering and selected to published in Transactions on Machine Intelligence (TMI) Journal.

The 7th National Conference of Applied Researches in Electrical Engineering.

## TEACHING EXPERIENCE

---

[ 09/2010 – 02/2011 ]

### Electrical Measurement Lab

During the fall semester of 2010–2011, I worked as a tutor at the University of Bojnord in Iran to teach undergraduate students how to measure electricity.

## TRAINING/SUMMER SCHOOL

---

[ 09/02/2024 – 09/05/2024 ]

### 6th KIOS Graduate Training School on Intelligent Systems and Control

During this informative training school I have studied electricity market design and bidding strategy, cyber security of industrial control systems, data-enabled predictive control of autonomous energy systems at the University of Cyprus.

## 9th Edition The Role of Grid Operational Flexibility in Power System Decarbonization

During this informative training school I have studied demand response, virtual power plants, energy communities and microgrids: an introduction, grid flexibility and renewable, models to manage grid flexibility, advanced distributed services for flexibility in decarbonized grid, sustainability policies and power system: challenges and opportunities for our future at the University of Salerno.

## WORK EXPERIENCE

---

### COMMISSIONING SUBSTATION AND CONTROL ENGINEER

*Moham Shargh Group* [ 02/2016 – 08/2018 ]

**City:** Mashhad | **Country:** Iran

Moham Shargh Group-Mashhad Branch

<https://msgroup.ir/>.

I was responsible for the following:

I worked as a technician responsible for the control and operation of equipment for panels and substations (TSS) in collaboration with Secheron (Czech Republic), also cabling and installation of 20 kV AC to 750 VDC substations. Installation and commissioning of LV and MV electrical panels and the connection to control systems, SCADA, and BMS.

During this period, I gained valuable experience in LV and MV cable laying, ladder installation, the operation of AC to DC substations, as well as line operation and switching.

### PV ENGINEER

*Sarv Niroo Tous Company* [ 04/2014 – 11/2015 ]

**City:** Mashhad | **Country:** Iran

Sarv Niroo Tous Company

(Manufacturer and installer of electrical substations and electrical project- renewable energy)

<http://en.sarvnirootous.com/>.

I was responsible for the following:

Designing solar photovoltaic (PV) systems for residential or commercial buildings using PVsyst, AutoCAD, Excel softwares to create electrical diagrams, connection diagrams, or panel schedules for solar electrical systems.

In addition, Installing PV systems, including wiring extensions between grid inverters, cabinets, batteries, and related materials.

### Electrical engineer

*Sane Shargh Company* [ 08/2011 – 01/2014 ]

**City:** Mashhad | **Country:** Iran

Sane Shargh Company

<https://saneshargh.ir/en/>.

I was responsible for the following:

I have wired, installed, tested, and commissioned several low voltage and medium voltage electrical panels for various projects.

I have experience installing and commissioning a wide range of products with the company CG Electric Systems Hungary Zrt, including modular substations with different voltage levels, AIS/GIS compact stations, capacitor banks, MV panels (GIS, AIS, static, or drawable type), AC/DC panels, and MCC panels.

## DIGITAL SKILLS

---

Microsoft Office (Ms Word, Excel, Access, Powerpoint, Project and Outlook) / MATLAB Matlab Simulink / Office Programmes (Microsoft and Open Office) / AutoCad (2D, 3D) / PVsysts / Eplan / SIMATIC PLC / EndNote / DigSILENT

## SOFT SKILLS

Maximum reliability and punctuality / Teamwork & collaboration / Learning new technology / Financial Management & Valuations

## RESEARCH CERTIFICATES

Coursera Research Methods / Conference Paper

## CERTIFICATES

License for industrial electricity workmanship from Iran's technical and vocational organization / Registered Electrical engineer in Iran. / Energia: l'Ingegneria del Futuro

## LANGUAGE SKILLS

---

**Mother tongue(s):** Persian

**Other language(s):**

**english**

**LISTENING** C1 **READING** C1 **WRITING** B2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

**Italian**

**LISTENING** B1 **READING** A2 **WRITING** A2

**SPOKEN PRODUCTION** A2 **SPOKEN INTERACTION** A2

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

## VOLUNTEERING

---

[ 06/18/2024 – 06/21/2024 ] Sapienza University of Rome

**Organizing Member at IEEEIC 2024 Conference** I hold a organizing member at the IEEEIC 2024 International Conference.

[ 10/2015 – 10/2018 ] Iran-Mashhad City

**Annual gathering of electrical engineers from the registered engineering organization** The annual event for electrical engineers who pass the engineering organization exam each year. This ceremony aims to support newcomers to the building electrical industry with guidance from more experienced professionals.