



SAEED KHORRAMI

Nationality: Iranian

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Home: [REDACTED]

CURRENT POSITION

[01/11/2023 – Current]

Ph.D. Student at Sapienza University of Rome

I research about Energy Communities innovative solutions to meet 2030 decarbonization goals.

My Ph.D. title is: ENGINEERING AND APPLIED SCIENCE FOR ENERGY AND INDUSTRY.

Scholarship by Italian Ministry for NEST-Network 4 Energy Transition.

EDUCATION AND TRAINING

PhD Visit Researcher

Universidad de Oviedo, Spain [01/04/2025 – 30/06/2025]

City: Gijón | Country: Spain | Website: <https://www.uniovi.es/en/> | Level in EQF: EQF level 1

ERASMUS EXCHANGE STUDENT GRANT

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

City: Sevilla | Country: Spain | Website: 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.

MASTER OF ELECTRICAL ENGINEERING

Sapienza Università di Roma [2019 – 2022]

City: ROMA | Country: Italy | Website: 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.

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

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

WORK EXPERIENCE

Farab Company – Mashhad, Iran

City: Mashhad | Country: Iran

COMMISSIONING SUBSTATION AND CONTROL ENGINEER

[2016 – 2018]

Farab Company (Energy & Electrical project)-Mashhad Branch

<https://www.farab.com/en/>.

I was responsible as following:

Cabling and installation of 20 kV AC to 750 VDC substations.

Technician of control and operation of equipment for panels and substations, TSS, in collaboration with Secheron (the Czech Republic).

Installation and commissioning of LV and MV electrical panels and connection to control, SCADA, and BMS.

During this period, I gained more valuable work experiences related to LV and MV cable laying and installation of ladders, installation, and operation of AC to DC substations, as well as operator and switching of lines.

Sarv Niroo Tous Company – Mashhad, Iran

City: Mashhad | Country: Iran

PV ENGINEER

[2014 – 2015]

Sarv Niroo Tous Company

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

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

I was responsible as following:

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

Installation of PVs with required extensions of wiring between grid inverters and cabinets and all other materials.

Sane Shargh Company – Mashhad, Iran

City: Mashhad | Country: Iran

electrical engineer

[2011 – 2014]

Sane Shargh Company

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

I was responsible as 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.

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

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

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

PUBLICATIONS

[2024]

Energy Communities Development: A Review of Challenges and Opportunities

Authors: Saeed Khorrami, Maria Carmen Falvo, Massimo Pompili | **Journal Name:** 2024 IEEE International Conference on Commercial Power Systems Europe (EEEIC/I&CPS Europe) | **Volume, Issue and Pages:** Volume 11 Pages 1-8 | **Publisher:** IEEE

DOI: 10.1109/EEEIC/ICPSEurope61470.2024.10751123

[2025]

A Review on Energy Communities Development, Opportunities and Challenges in Germany, Spain, and Italy

Authors: Saeed Khorrami; Maria Carmen Falvo; Massimo Pompili | **Journal Name:** IEEE Access | **Volume, Issue and Pages:** (Volume: 13) | **Publisher:** IEEE

DOI: 10.1109/ACCESS.2025.3579336

[2024]

Volumetric Add-On Retrofit Strategy with Multi-Benefit Approach toward Nearly Zero Energy Buildings Target

Authors: Maryam Khazaei, Siamak Hosseinzadeh, Saeed Khorrami, Davide Astiaso Garcia, Mosè Ricci | **Journal Name:** Journal of Sustainability | **Volume, Issue and Pages:** Volume 16 Issue 13 Pages 5822 | **Publisher:** Multidisciplinary Digital Publishing Institute

<https://doi.org/10.3390/su16135822>

[2024]

Cost-benefit Analysis of PV Self-Consumption in Residential Sector in Italy

Authors: Saeed Khorrami; Maryam Khazaei; Juan Manuel Roldán-Fernández; Luigi Martirano | **Journal Name:** 2024 11th Iranian Conference on Renewable Energy and Distribution Generation (ICREDG) | **Volume, Issue and Pages:** Volume 11 Pages 1-8 | **Publisher:** IEEE

DOI: 10.1109/ICREDG61679.2024.10607812

VOLUNTEERING

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

Organizing Member at EEEIC 2024 Conference

I hold a organizing member at the EEEIC 2024 International Conference.

[03/02/2025 – 30/10/2026] Rome - Italy

Vice-chair position in IEEE Student branch of STB04031 - Sapienza University of Rome