CURRICULUM VITAE

Silvia Iuliano

Silvia Iuliano was born in Avellino (AV) on 18/09/1999.

In 2018 she graduated with honors from the Liceo Statale "G. Guacci" science high school, applied sciences option in Benevento.

On 21/10/2021, she obtained with honors and academic distinction the bachelor’s degree in Energy Engineering at the University of Sannio discussing the thesis entitled: "Energy audit of the university plexus 'ex-Enel' ".

On 28/09/2023, she obtained with honors the master’s degree in Energy Engineering at the University of Sannio discussing the thesis entitled: "Artificial intelligence methodologies for the analysis of static and dynamic security of the national transmission grid", which was developed in collaboration with Terna S.p.A., dispatching and conduction direction.

From December 2023, she is a Ph.D. student in Information Technologies for Engineering at the University of Sannio.

Her research fields concern the development of artificial intelligence techniques for knowledge discovery from big data, the development of methodologies for the robust solving of OPF problems, and the development of methodologies enabling the flexibility of decarbonized power systems.

Furthermore, she has contributed on the project "Robust Estimation Tool" (DSC010) concerning activities of selection and implementation in MATLAB environment of mathematical methods for "on-line" estimation of network parameters in the presence of uncertainties, validation of mathematical estimation methods by simulation studies, "off-line" verification of the performance of mathematical estimation methods by real historical data.

CURRICULUM VITAE

Silvia Iuliano

Silvia Iuliano was born in Avellino (AV) on September 18, 1999.

She got a scientific high school diploma cum laude in 2018.

She got a Bachelor’s degree cum laude and academic mention in Energy Engineering from the University of Sannio discussing a thesis titled: “Energy audit of the ’ex-Enel’ university complex”, on October 21, 2021.

She got her Master’s degree cum laude in Energy Engineering from the University of Sannio discussing a thesis titled: “Machine-Learning-based methodologies for static and dynamic security assessment of transmission power grids”, on September 28, 2023. The thesis was developed in collaboration with Terna S.p.A., dispatching and conduction management.

She is PhD student in Information Technology for Engineering at the University of Sannio since December 2023.

Her research interests are artificial intelligence techniques for knowledge discovery from big data, methodologies for the robust resolution of OPF problems, and technologies enabling the increase of flexibility in decarbonized power systems.

In addition, she contributed as a member of the research group on a project titled “Robust estimation tool” (DSC010): selection and implementation of mathematical methods for estimation in Matlab environment “online” of network parameters in the presence of uncertainties, validation of mathematical methods of estimation through simulation studies, verification “off-line” of the performance of mathematical estimation methods from real historical data.