**CURRICULUM VITAE**

**of**

**Cesar Diaz-Londono**

Cesar Diaz Londono was born in Bogotá, Colombia. He's research expertise is centered around the integration of electric vehicles into the electrical grid. He actively engages in collaborative research projects with industry partners specialized in electric vehicle chargers. Additionally, he contributes to the development of real-time controllers for electrical grid studies. His diverse experiences have honed his skills in research, teaching, and managing both independent and team-based projects. He has also established valuable collaborative relationships with peers across various universities. Cesar is committed to advancing his career and making significant contributions to the fields of energy management and electric vehicle integration.

RESEARCH INTERESTS: Charging electric vehicles strategies; Demand response for smart-grids; Flexible loads modeling; Optimization techniques; Electrical grid analysis in Real-time simulators; Integration of distributed energy resources.

WORK EXPERIENCE

**Assistant Professor (RTD-a)** (Jan 2022 – Present)

Dipartimento di Elettronica, Informazione e Bioingegneria at the Politecnico di Milano (Italy)

**Research Fellow** (Nov 2018 – Sep 2021)

Department of Energy at the Politecnico di Torino (Italy)

**Lecturer** (Jan 2017 – Dec 2017)

Depaertamento de electrónica at the Pontificia Universidad Javeriana (Colombia)

EDUCATION

**PhD in Electrical, Electronics and Communications Engineering** (Nov 2018 – Jul 2020)

Politecnico di Torino (Italy)

**Ph.D. in Engineering** (Jul 2015 – Jul 2020)

Pontificia Universidad Javeriana (Colombia)

**Master of Science in Electronics Engineering** **“Cum Laude”** (Jul 2014 – Dec 2015)

Pontificia Universidad Javeriana (Colombia)

LANGUAGES Native language Spanish

Foreign language English (B2), Italian (B2)

PARTICIPATION TO RESEARCH PROJECTS

Researcher at the following projects:

Project: **Integrating Incentive-Based and Direct Control in Electric Vehicles Management**. (Sep 2023 – Present). Supported by: IDEA League Fellowships 2023/2024.

Collaboration with: Delft University of Technology and Chalmers University of Technology.

Project: **Data analysis evaluation of the impact of EV charging stations penetration**. (Jun 2022 - Present). Collaboration with: ABB. E-mobility S.p.A. Supported by: Politecnico di Milano.

Project: **Study and verification of the integration between a Real-Time controller and a power amplifier for the RSE Test Facility**. (Mar 2022 – Present). Supported by: Ricerca Sul Sistema Energetico, RSE S.p.A.

Project: **Remuneration and optimal operation of aggregator-prosumer schemes in energy systems**. (Mar 2021 – Jun 2022). Supported by: Pontificia Universidad Javeriana.

Project: *H2020 European PLANET project* **Planning and operational tools for optimising energy flows and synergies between energy networks**. (Nov 2018 - Feb 2021) Supported by: Politecnico di Torino.

Sep 2014 Project: *Smart-grid SILICE III project*, **Towards a smart city: design of a pilot smart microgrid**. (Feb 2014 – Sep 2014). Supported by: Pontificia Universidad Javeriana.