

Dario Ferraro

Associate Professor (Competitive Sector 02/B2)

EDUCATION AND TRAINING

2011

PhD in Physics

Neutral Modes Dynamics in the Composite Edge States of the Fractional Quantum Hall Effect (Excellent).

University of Genoa, Genoa, IT

2007

Master's Degree in Physics

Transport properties of quasiparticles in the main sequence of the Fractional Quantum Hall Effect (110/110 cum laude).

University of Genoa, Genoa, IT

PROFESSIONAL HISTORY

From 2024

Associate Professor (Competitive Sector 02/B2)

University of Genoa, Genoa, IT

2021 - 2023

Fixed-term researcher type B (Competition sector 02/B2)

University of Genoa, Genoa, IT

2018 - 2020

Fixed-term researcher type A (Competition sector 02/B2)

University of Genoa, Genoa, IT

ACADEMIC APPOINTMENTS

From 2022

Member of the Teaching Commission

Department of Physics

University of Genoa, Genoa, IT

2019 - 2022

Member of the Doctoral Commission in Physics and Nanosciences

Department of Physics

University of Genoa, Genoa, IT

EXPERIENCE

MAIN SEMINARS

[2025](#) Dynamical blockade of a reservoir for optimal performances of a quantum battery.

Invited talk at "TOPNESS 2025"

Erice (Italy)

[2024](#) Boosting energy transfer between quantum devices in the ultrastrong coupling regime.

Invited talk at "CMD31"

Braga (Portugal)

[2023](#) Characterization of IBM Quantum Devices as Quantum Batteries.

Invited talk at "International Conference on Quantum Energy 2023"

Melbourne (Australia)

[2017](#) Wigner function representation in electron quantum optics.

Invited talk at "IW² 2017"

Windermere (England)

SCIENTIFIC RESPONSIBILITY FOR INTERNATIONAL AND NATIONAL RESEARCH PROJECTS, ADMITTED TO FUNDING ON THE BASIS OF COMPETITIVE CALLS THAT INCLUDE PEER REVIEW

[2023](#) Solid State Quantum Batteries: Characterization and Optimization (SoS-QuBa).

PRIN 2022 Project

Ministry of University and Research

[2022](#) QUantum Busses for coherent EneRgy Transfer (QUBERT).

Curiosity Driven Project 2021

University of Genoa

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT QUALIFIED FOREIGN OR SUPRANATIONAL UNIVERSITIES AND RESEARCH INSTITUTES

[2017 - 2018](#)

Postdoctoral Fellowship

Italian Institute of Technology, Morego, IT

[2016](#)

Postdoctoral Fellowship

Center de Physique Theorique, Marseille, FR

[2014 - 2015](#)

University Assistant

Université de Geneve, Geneva, CH

[2013 - 2014](#)

Postdoctoral Fellowship

Center de Physique Théorique, Marseille, FR

[2012 - 2013](#)

Postdoctoral Fellowship

Ecole Normale Supérieure, Lyon, FR