

Federico Canepa

Non-tenured Assistant Professor | Research Fellow (RTD-a)

EDUCATION AND TRAINING

2022

PhD – Dual Doctoral Degree program

- Wind Science and Engineering

- Wind Engineering and Environmental Fluid Mechanics

Physical investigation of downburst winds and applicability to full scale events

University of Genoa

Western University (Canada)

2017

Internship

Svend Ole Hansen ApS, Copenhagen, Danimarca

2016

MSc in Civil and Environmental Engineering

Physical modelling of a real thunderstorm outflow at the WindEEE Research Institute

University of Genoa

PROFESSIONAL HISTORY

From 2023

Non-tenured Assistant Professor, RTD-a

University of Genoa

2022-2023

Postdoctoral Researcher

University of Genoa

ACADEMIC APPOINTMENTS

From 2024

Member of the Academic Board of the PhD Curriculum

- Wind Science and Engineering

- Risk and Resilience Engineering for the Natural, Industrialized and Built Environments

University of Genoa

From 2023

Member of the Tutoring Committee for the MSc in Civil Engineering

University of Genoa

INSTITUTIONAL APPOINTMENTS

[2025](#)

Member of the Scientific Committee of the 9th European-African Conference on Wind Engineering (9EACWE 2025)

[From 2023](#)

Member of the Steering Committee of the Italian Association for Wind Engineering (ANIV)
ANIV (Associazione Nazionale per l'Ingegneria del Vento)

[From 2022](#)

Coordinator of ANIV-G – group of young researchers of the Italian Association for Wind Engineering (ANIV)
ANIV (Associazione Nazionale per l'Ingegneria del Vento)

EXPERIENCE

MAIN SEMINARS

[2024](#)

Seminar series “Wind hazard mitigation and wind energy utilization”

Title: Physical characterization of thunderstorm winds through advanced full-scale and large-scale experimental campaigns

Chongqing University, Cina

[2019](#)

Seminar series “Wind research seminar series”

Title: Physical interpretation of the interaction between downburst, background ABL wind and parent cloud dynamics

Western University, Canada

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

[2024](#)

ERIES-CLIMATHUNDERR: CLIMAtic investigation of THUNDERstorm winds

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CSTB, Nantes, France

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

[2022](#)

Visiting graduate student

WindEEE Research Institute, Western University, Canada

2016

Graduate Exchange Student
WindEEE Research Institute, Western University, Canada

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

2022

ANIV Award 2022
ANIV (Italian Association for Wind Engineering)