



CHONGQING
UNIVERSITY

CHONGQING UNIVERSITY & UNIVERSITY OF GENOA



Università
di Genova

Bilateral Workshop on

Wind Engineering

Research, Education and Student Mobility

Friday 25 September 2026

09:30 - 16:00

Salone Piano Nobile, Villa Cambiaso
Polytechnic School, University of Genoa

PROGRAMME

09:30 - 09:45

Welcome and institutional greetings

09:45 - 10:30

Opening lecture

Chair: Prof. Luisa Pagnini

Prof. Yukio Tamura (Chongqing University)

ESWL and Combination of Wind Force and Response
Components (35 min + 10 min discussion)

10:30 - 11:00 Coffee break

11:00 - 11:55 / SESSION 1

Wind fields: simulation and modelling

Chair: Prof. Bingchao Zhang

Prof. Cruz Li (Chongqing University)

New frontiers and opportunities: urban aerodynamics &
low-altitude wind engineering (25 min)

Dr. Josip Žužul (University of Genoa)

Computational simulation of thunderstorm downbursts over
real urban geometry: the case of Genoa (10 min)

Dr. Federico Canepa (University of Genoa)

Physical simulation of thunderstorm outflows in the laboratory
(10 min)

Joint discussion: 10 min

CONTINUED

11:55 - 12:50 / SESSION 2

Wind engineering across scales

Chair: Prof. Cruz Li

Prof. Bingchao Zhang (Chongqing University)

Numerical modeling of urban airflow: from physical realism to
urban wind intervention (25 min)

Dr. Andi Xhelaj (University of Genoa)

Analytical and stochastic modelling of thunderstorm outflows:
from wind-field reconstruction to moving-vehicle applications
(10 min)

Dr. Mekdes Tadesse Mengistu (University of Genoa)

Understanding structural response to thunderstorm outflows
through full-scale monitoring (10 min)

Joint discussion: 10 min

12:50 - 14:00 Lunch

14:00 - 15:00

Round table

Research, Education and Student Mobility

Moderators: Prof. Massimiliano Burlando and Prof. Maria Pia Repetto,
University of Genoa

Opening statements by both universities (5 min each), then
discussion on joint PhD programmes and cotutelle theses; student
and staff mobility, schemes and funding; shared experimental
facilities and measurement datasets; joint research proposals and
publications.

15:00 - 15:10 Closing remarks

15:20 - 16:00

Technical visit

Giovanni Solari Wind Tunnel

Guided tour of the facility and ongoing experimental campaigns.

Organisers Luisa Pagnini, Giuseppe Piccardo, Mekdes Tadesse Mengistu, Andi Xhelaj
Giovanni Solari - Wind Engineering and Structural Dynamics Research Group (GS-WinDyn)

For organisational purposes, we would appreciate confirmation of your attendance
by **Wednesday 23 September 2026.**

giuseppe.piccardo@unige.it

