



i giovedì del dottorato

dottorato di ricerca in ambiente, design e innovazione

Introduction to Wind Science and Engineering

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07.06.2022 Class 1 - Aula C2

09.06.2022 Class 2 - Aula C2

21.06.2022 Class 3 - Aula Magna

28.06.2022 Class 4 - Aula Magna

Platform Teams

Aula C2/Aula Magna
 Real Casa dell'Annunziata
 Via Roma, 29 - Aversa (Ce)

For application information:
 please send an email to
albertomaria.avossa@unicampania.it

07.06.2022

11.00 | 13.00

Review of applied fluid mechanics, geophysical aerodynamics, atmospheric circulation, stable vs. unstable fluid flows

14.30 | 16.30

Introduction to atmospheric boundary layer synoptic winds, wind flow profiles and turbulence

09.06.2022

11.00 | 13.00

Special wind flows: tropical cyclones, “medicanes”, non-synoptic winds

14.30 | 16.30

Review of probability and statistics for scientists and engineers

21.06.2022

10.00 | 12.00

Review of random vibrations, structural & dynamic wind engineering

14.30 | 16.30

Wind-induced vibrations on infrastructural systems: derivation and examples

28.06.2022

11.00 | 13.00

Fluid-structure interaction phenomena for flexible systems: aeroelasticity

14.30 | 16.30

Practical tutorial: Design of a wind – compliant structure