



Daniele Massaro

Short Curriculum Vitae

Personal Information

Date of Birth *Nov 21th, 1994*
Nationality *Italian*

Current position

Oct. 2024 - Present **Postdoctoral Fellow at Massachusetts Institute of Technology**
Department of Mechanical Engineering, MIT, Cambridge, MA 02139 USA
Investigation of vortex dynamics within wall-bounded flows in the group led by Prof. W. van Rees.

Education

Sept. 2019 - Mar. 2024 **Doctor of Philosophy**
SimEx/FLOW, Engineering Mechanics, KTH Royal Institute of Technology, Stockholm
Specialisation in Computational Fluid Dynamics with the thesis: 'Space-adaptive simulation of transition and turbulence in shear flows', under the supervision of Prof. P. Schlatter and Lect. S. Rezaeiravesh.

June 2023 **Turbulence Workshop**
Universidad Politécnica de Madrid, Madrid, Spain
Summer workshop to explore the potential of computer power in unravelling the causal turbulent dynamics, organised by Prof. J. Jiménez.

Mar. 2023 **Visiting Scholar**
The University of Manchester, Manchester, UK
Exploration of information-theoretic metrics in wall-bounded turbulent flows to measure causal relations, under the supervision of Lect. S. Rezaeiravesh.

Nov. 2022 **Visiting Scholar**
Texas Tech University, Lubbock, Texas, USA
Research study on large-scale coherent structures in wall-bounded turbulent flows at high Reynolds numbers, in Prof. F. Hussain's group.

Oct. 2016 - Apr. 2019 **Master of Science, Aeronautical Engineering**
Politecnico di Milano, Milan, Italy
Specialisation in Aerodynamics with the thesis: 'Stability characteristics of wall-bounded flow with spanwise forcing'. Thesis supervisor: Prof. M. Quadrio.

Oct. 2013 - Sept. 2016 **Bachelor of Science, Aerospace Engineering**
Politecnico di Milano, Milan, Italy

Please do not hesitate to contact me if you would like to request my full CV (danmas@mit.edu).