



# Marta Colella

## CURRENT POSITION

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### Ph.D Student in Aeronautics and Space Engineering at Sapienza University of Rome

[ 1 Nov 2021 – Current ]

Main research interests

- Multi-Disciplinary Optimization.
- Integrated models of aeroelasticity, flight dynamics and control systems.
- Sloshing effects on aeroelastic stability and response.

## Publications

[1] M. Colella, F. Saltari, M. Pizzoli, F. Mastroddi, "Sloshing reduced-order models for aeroelastic analyses of innovative aircraft configurations," *Aerospace Science and Technology*, Vol. 118, 2021.

## EDUCATION

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### Master Degree in Aeronautical Engineering

[ 27 May 2020 ]

Sapienza University of Rome, Rome, IT

Graduation note: 110/110

Thesis: *Linearized sloshing modelling with membrane-containment system for FSI applications*. (Supervisor Prof. Franco Mastroddi)

### Bachelor Degree in Aerospace Engineering

[ 10 Nov 2017 ]

Sapienza University of Rome, Rome, IT

Graduation note: 110/110 cum laude

Thesis: *Analisi delle prestazioni di eliche intubate per velivoli a decollo verticale*. (Supervisor Prof. Luca Marino)

### High School Diploma

[ 2014 ]

Liceo Scientifico R. Mattioli, Vasto, IT

Graduation note: 97/100

## PERSONAL SKILL

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### Mother tongue

Italian

## **Other languages**

English: B2

## **Informatics knowledge**

Programming competence:

- Matlab
- Mathematica

Simulators:

- Nastran, Patran
- Simulink
- Ansa
- Fluent
- CFD++
- AVL