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On the development of solution methods for parachute-capsule fluid-structure interaction problems

Matteo Franciolini is NASA Postdoctoral Program Fellow at NASA Ames Research Center. Previously, he received a BSc in Mechanical Engineering at UNIVPM, a MSc in Aerospace Engineering from Politecnico di Torino, and a PhD in Industrial Engineering again at DIISM – UNIVPM.

His research combines novel algorithms and implementations, machine learning, and high-performance computing to reduce the computational cost of high-fidelity multi-physics simulations of interest for the fluid structure interaction of parachute-capsule systems.

This series of meetings organized by DIISM aims to further consolidate the network of relationships and collaborations with the graduates and PhDs who studied here, as well as to demonstrate how, starting from UNIVPM, one can be successful in any part of the world.

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the possibility to
study in a
stimulating and
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environment, in one
of the most beautiful
landscapes in Italy
and Europe...”*

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