

Short Curriculum of **Filippo Maggi**

Filippo Maggi is an assistant professor working at the Dept. of Aerospace Science and Technology, Politecnico di Milano.

He obtained his PhD in Aerospace Engineering “cum laude” at the Politecnico di Milano in 2006.

He worked at the *CSAR (Center for Simulation of Advanced Rockets)*, University of Illinois at Urbana-Champaign.

After coming back to Italy, he spent his career working at the Space Propulsion Laboratory (SPLab) of Politecnico di Milano under the supervision of Prof. Luigi T. DeLuca till his retirement.

Now he is responsible for solid propellant development at the SPLab. He teaches the courses of “Fundamentals of Thermochemical Propulsion” and “Space Propulsion and Power Systems”.

Research activities of Filippo Maggi:

- application of innovative energetic ingredients in solid and hybrid rocket propulsion (such as metal hydrides, boron-based compounds, activated metal fuels, or nano-structured materials)
- propellant microstructure analysis and optimization
- specific impulse losses
- “green propellants” for solid propulsion