

Thomas Lambert

PHD STUDENT IN AEROSPACE ENGINEERING

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Summary

Passionate aerospace engineer always looking for opportunities to learn and tackle new challenges. Flexible and versatile, I enjoy equally working with numerical, analytical or experimental approaches. Proven skills in project management, organization and research.

Professional Experience

Teaching Assistant

Liège, Belgium

UNIVERSITY OF LIÈGE

Jan. 2017 - Present

- Teaching of practical and project sessions in the courses of *Aerospace design project*, *Aerospace propulsion* and *Elements of stochastic processes*.
- Supervision of Master student's theses.

Research engineer

Liège, Belgium

UNIVERSITY OF LIÈGE

Oct. 2015 - Dec. 2016

- Modeling of the aerodynamic forces on a counter-rotating rotor (Turbine Driven Rotor patented system) for a macro-UAV. In collaboration with SAGITA, CMI and the Walloon Region.
- Development of a test bench for the propulsion system of Flying-Cam's next generation of helicopter drones (Discovery). Test campaign and characterization of engine assembly.

Education

PhD, Aerospace Engineering

Liège, Belgium

UNIVERSITY OF LIÈGE

Current

- Thesis: Numerical and experimental analysis of flapping, tandem-wing systems.

Master, General Management (Summa Cum Laude)

Liège, Belgium

UNIVERSITY OF LIÈGE

2019

- Thesis: Optimization of Drone Routing for Humanitarian Applications.

Master, Aerospace Engineering (Cum Laude)

Liège, Belgium

UNIVERSITY OF LIÈGE

2015

- Thesis: Modeling of Aerodynamic Forces in Flapping Flight with the Unsteady Vortex Lattice Method.
- Focus on Aeronautics (aerodynamics, fluid dynamics, fluid-structure interactions and turbomachinery).

Skills

Programming	Matlab, Python, C/C++, Java
Software	CATIA, NX, OpenFoam, SU2, ADS
Other	Git, Linux, Bash, Latex, Microsoft Office
Language	<i>Native:</i> French <i>Fluent:</i> English <i>Elementary</i> German

Publications

Journal Articles

1. **Lambert, T.**, N. Abdul Razak, and G. Dimitriadis (2017). "Vortex Lattice Simulations of Attached and Separated Flows around Flapping Wings". In: *Aerospace* 4.2, p. 22. DOI: [10.3390/aerospace4020022](https://doi.org/10.3390/aerospace4020022).
2. **Lambert, T.** and G. Dimitriadis (2017). "Induced Drag Calculations with the Unsteady Vortex Lattice Method for Cambered Wings". In: *AIAA Journal* 55.2, pp. 668–672. DOI: [10.2514/1.J055135](https://doi.org/10.2514/1.J055135).

Conference Proceedings

1. **Lambert, T.** et al. (2019). "Numerical and Experimental Investigation of Tandem Wing Flyers". In: *AIAA Scitech 2019 Forum*. AIAA Scitech 2019 Forum. San Diego, California: American Institute of Aeronautics and Astronautics. DOI: [10.2514/6.2019-1620](https://doi.org/10.2514/6.2019-1620).