

# Tutorial / Tutorium

# Aeroelastic Analysis

# in Flight Propulsion

## Master students

(Aerospace, Mechanical, Computational Engineering, Mechanics or similar)

Focus: **Numerical**

Language: **English**

**January to March 2024**  
(~10 weeks **part-time**)

**Registration by end of November 2023**  
(to contact below)

**Grading:** Report and short oral exam (4 CP)

Software: ANSYS CFX & Mechanical

## Tutorials – Lectures – Guest Lectures

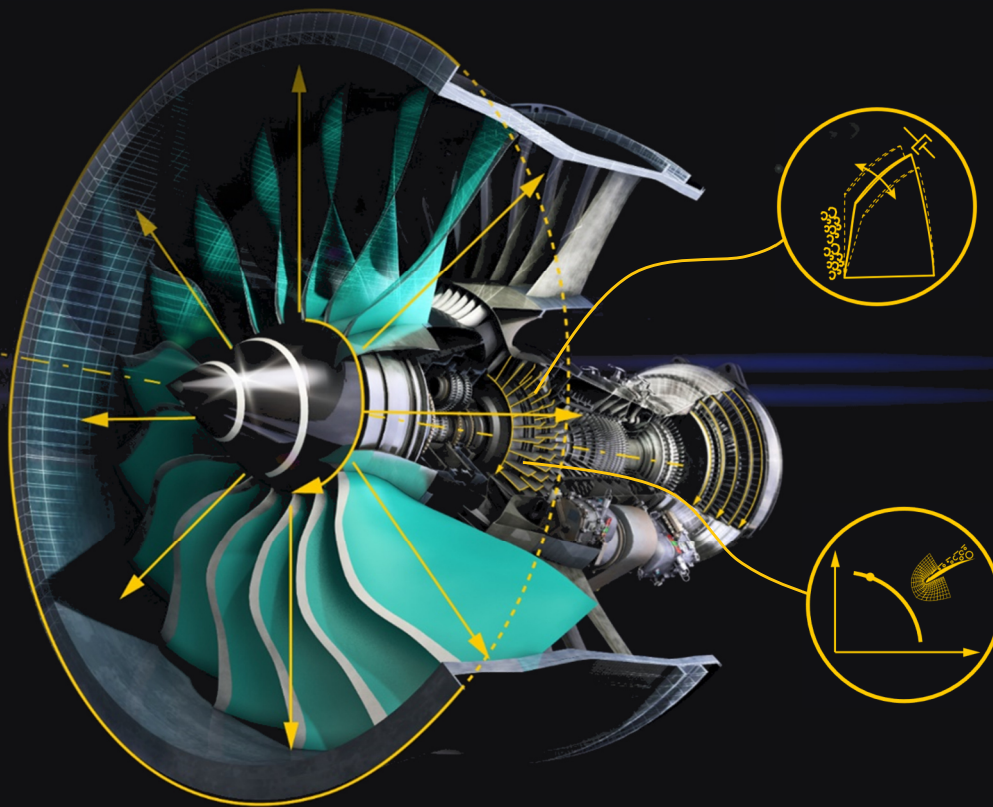
Fundamentals and challenges of aeroelasticity in turbomachinery

Coupling effects between aerodynamics and structure in an aero engine compressor (fluid-structure-interaction such as flutter and forced response)

Numerical simulation process chain for aeromechanic analyses

Research-oriented learning (application to a real test configuration @ GLR)

Introduction to experimental aeromechanics



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information:



**Interested?**

## Contact & Registration

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