

## **Bachelor's Thesis**

# Concepts for the design of sandwich honeycomb structures with different chamber volumens

Start: immediatly (23.11.2021)

### ➤ **Main Topics:**

- **Research** of the functionality of **acoustic liners** in an engine
- **Development** of different **sandwich structures**
- **Transferring** the concepts into **CAD models**
- **Structural mechanical investigation** of the structures found

### ➤ **What we expect:**

- Interest in new and further developments in the field of aircraft engines
- You should be at least in the 5th semester
- Basic knowledge in the field of mechanical construction and a general mechanical understanding are advantageous
- Basic knowledge with FEM

### ➤ **What we offer:**

- Insight into engineer-specific working methods
- Working with the CAD programm Siemens NX, as well as the FE-Programm ANSYS
- Contact to industrial project partners
- Possibility to work as a student assistant

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**Interested students please contact:**