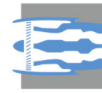




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Brandenburg
University of Technology
Cottbus - Senftenberg



Chair of
Aero Engine Design
Prof. Dr.-Ing. K. Höschler

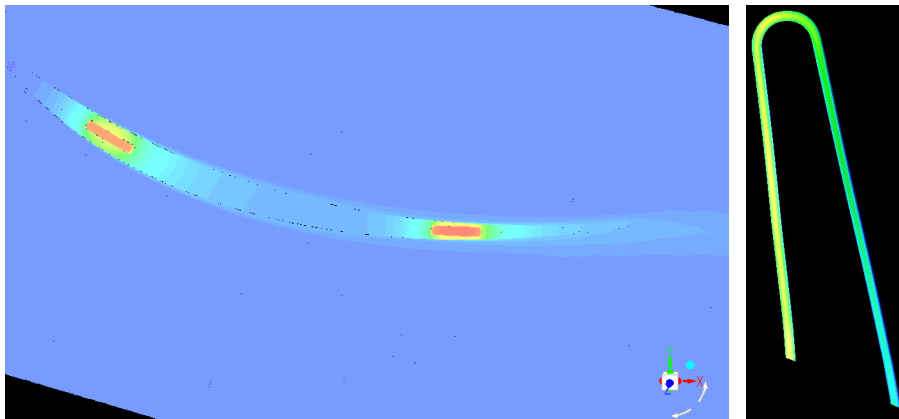
An exciting and unique opportunity exists for you within of an **EU-Japan research project** with partners from the industry (**Rolls Royce-Derby**) and research centres:

Bachelor/Master's Thesis (Abschlussarbeiten)

Coupling of aero thermal simulations in a Structural Heat Exchanger

Main areas of work:

- State-of-the-art of thermal coupling methods (monolithic versus segregated)
- 2D/3D conjugate heat transfer simulations using ANSYS FLUENT, CFX, OpenFOAM and preCICE
- Programming an interface between the different softwares
- Comparison of the results using the commercial / Open-Source software



#1: 2D-conjugate heat transfer simulation #2: Contours of total temperature

We are looking for candidates who:

- Are in a Bachelor/Master Program (computational engineering, aeronautics, mechanical engineering, physics, mathematics...)
- interested in Fluid Dynamics/Heat Transfer/Programming (python and C++)
- experience (or the ability to learn in a short time): ANSYS, OpenFOAM and preCICE

Do you find the job advertisement interesting?

Send me your CV & transcript of records:

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