

As an international platform for research and development in the automotive industry located in Austria our cooperation network comprises leading OEM's and tier 1+2 suppliers as well as highly specialized SMB's and international software vendors. As a COMET K2 Competence Centre the Virtual Vehicle has access to attractive COMET subsidies enabling us together with numerous national and international scientific and industrial partners to establish an integrated and systematic approach in order to exploit the full optimisation potential in all areas of vehicle development.

The working area "Thermo- and Fluid Dynamics" of ViF focuses on all aspects of thermal and fluid flow challenges within and surrounding an automotive vehicle. For a long-lasting research project we are searching for a motivated

Junior Researcher (m/f)

for the working group „**Mobile Air Conditioning**“ (Ref.Nr. B_005)

One important goal is the investigation of the air conditioning system by means of experiments and numerical simulations. Within this field a major focus is set on the natural refrigerant R744.

Responsibility:

- Simulation of the refrigerant cycle by means of 1D simulation tools
- Verification of simulation results by means of measurements
- Implementation of the air conditioning system into the simulation of the entire vehicle's thermal management
- Collaboration in trendsetting research projects in cooperation with our partners (e. g. Audi, Modine, Egelhof, ixetic)
- Elaboration of publications and participation at international congresses

Expected Qualification:

- Degree in thermodynamics or related disciplines
- Knowledge of refrigeration and thermodynamics
- Experience in dealing with simulation software (Dymola/Modelica or similar)
- Responsibility and commitment
- Command of German language is an advantage

We offer:

- Chance to work on an international platform for research and development
- Work in a dedicated, young and dynamic team
- Improvement of technical and managing qualifications
- Possibility for the realisation of a doctoral thesis in close connection with the project

We are looking forward to receive your application.

Kompetenzzentrum - Das virtuelle Fahrzeug
Forschungsgesellschaft mbH (ViF)
Mag. Gudrun Gruber
Inffeldgasse 21A
8010 Graz, Österreich
Graz, 20.06.2008

Phone +43/316/873 9004
Fax +43/316/873 9002
gudrun.gruber@v2c2.at
www.v2c2.at

