



Within COMET project Research Centre for Low Carbon Small Powertrain Austrian researchers deal with the minimization of CO<sub>2</sub> emissions of small powertrains and power units over their entire product life cycle. The international research consortium under the leadership of IVT, TU Graz, consists of 10 industrial and 4 scientific partners and focuses on powertrains for two-wheelers, small automobiles as well as hand-held working and gardening equipment.

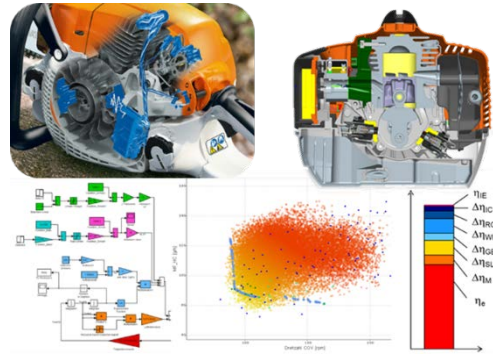
We are looking for

## Junior Scientist (f/m) with dissertation potential

Application of zero CO<sub>2</sub> fuels in small powertrains:  
exhaust aftertreatment, sensors, engine control functions

### Research topic:

As additon to our interdisciplinary research team we are looking for a scientist aiming to specialize in the research topic „**Simulation and experimental investigations of the use of zero CO<sub>2</sub> fuels in small powertrains**“. Research activities cover topics like e“-fuels“, internal engine processes, exhaust aftertreatment, engine control functions, and novel sensors and are characterized by an interdisciplinary mechatronic approach. The research activities are carried out at the Institute of Internal Combustion Engines and Thermodynamics in close cooperation with researches in the field of fuels, control engineering, sensor systems and with international industrial partners.



### Requirements:

- Excellent university graduation in mechanical engineering
- High interest in applied research activities in the research area
- Team spirit, commitment, assertiveness and flexibility
- Assistance in the mentoring of bachelor and master theses

### We offer:

- Interesting research environment & scientific issues with high practical relevance
- Integration in a motivated team of researchers and developers
- Possibility of doctorate graduation
- Salary classification: B 1 according to university collective agreement; gross monthly minimum wage approx. € 2.790,- (14x per year)
- Duration: 1.1.2019 – 31.12.2022

For more information please contact email addresses below.  
We are looking forward to your convincing application with reference to the exact job description.

**Institut für Verbrennungskraftmaschinen & Thermodynamik / TU-Graz**

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