

# Research Assistant | Dissertation



The researcher will support the Area A NG & NNG Combustion team on projects that are part of the LEC EvoLET COMET-K1 center research program and deal with high dynamic operation of gas engines with variable valve timing and advanced turbocharging. The goal is to write a dissertation on a topic in this area.

## Tasks

- Define transient behavior requirements for gas engines
- Investigate possible operating strategies using 1D engine cycle analysis
- Evaluate high dynamic engine behavior using advanced control strategies based on SCE measurements

## Requirements

- Mechanical engineering degree: traffic engineering, energy engineering or closely related field.
- Knowledge of thermodynamics and engine technology (combustion systems and preferably thermodynamic calculations as well as ICE control systems)
- Basic programming knowledge; preferably Matlab
- Dedication and willingness to work in a team
- Enthusiasm for finding solutions to complex problems

## Salary

Following the salary scale set out in the collective agreement and the academic staff model of Graz University of Technology of 1 January 2015, the salary for this position is € 2,662.90 gross per month.

## Start

January 2016

## Contact information

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