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less underchallenged.**

Shift how the world of tomorrow moves.
Develop technologies and solutions for
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Job-ID: 0008

Thesis - Thermal Management Powertrain

 Wrocław

This challenge awaits you:

We constantly offer interesting topics for diploma theses, bachelor and master theses as well as student research projects in the field of digital development of powertrain & thermal management systems.

Your Tasks:

- Challenges for components and systems when changing the refrigerant to CO2
- Thermal management system considerations with derivation of 3D model structures
- Investigation of heat storage concepts in the cooling circuit
- Detailed investigation of high-voltage storage systems taking thermoelectric conditions into account
- Optimization of hybrid drive topologies taking into account thermal management in the powertrain
- Development of a SIL system for high-voltage storage systems

Necessary Skills:

- Ongoing studies in the field of automotive engineering, electrical engineering, mechatronics or a comparable engineering degree program
- German and English language skills at C1 level

Desired Skills:

- You are interested in challenging development tasks
- Your creative thinking patterns support your proactive approach
- You underpin inspiring visions of the future with good analytical and intellectual skills
- You apply your new knowledge and skills in a goal-oriented manner
- Your commitment and willingness to learn and perform help you to penetrate complex issues

Apply now!
apply-poland@iav.de

Have you still got questions?
Please contact us.