

**Success stories don't just happen.
They are made.**



BOSCH
Invented for life

Master thesis / Internship (min 6 months)

Mechanical engineering, materials science, materials engineering, physics

“Made by Bosch” stands for outstanding quality of a global player. Profit from the multitude of career opportunities in an internationally positioned company. The Corporate Sector Research and Advance Engineering is in charge of designing, testing and exploring systems, components and technologies. Our innovations consistently aim to achieve an improvement in the quality of life. To support our research activities in the development of Lithium-ion batteries, our department is looking for highly motivated interns.

Your task:

To comprehend the origin of microscale and sub-microscale mechanical failures in battery materials. Your work will consist in:

- Preparing Li-ion test cells in glove boxes and organizing cycling procedures.
- Measuring mechanical properties by means of indentation and other characterization techniques.
- Comprehending electrochemical processes in Lithium-ion cells.
- Come up with original ideas to comprehend the coupling of electrochemical properties and mechanical failure.
- Secondment in University Erlangen-Nürnberg.

Your competencies and qualifications:

- You are studying mechanical engineering, materials science or physics.
- You have experience or strong knowledge in mechanics.
- You have basic knowledge in chemistry.
- You enjoy performing experimental work and are open to multi-disciplinary challenges.
- Team working and thinking outside the box are part of your credo.
- Excellent English required, German is recommended.

Make it happen. Apply now.

Robert Bosch GmbH

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