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Fuel Cell Material Development Internship

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Company: Toyota Motor Europe

Location: Zaventem

Category: other-general

Your team and your responsibilities

Team/division description

Toyota Motor Europe R&D Centre is responsible for:

Developing vehicles and making concept proposals for European core models.

Reflecting EU technologies to Toyota vehicles timely by utilizing strong network with European partners.

The Material Engineering division (MED) is part of the R&D group at Toyota Motor Europe Technical Center in Zaventem, Belgium. By utilization of wide and deep material knowledge as well as evaluation & analysis capability, its mission is to conduct research, to develop and to introduce attractive & environment-friendly materials.

The Material Engineering 2 department in MED is responsible for advanced material research for quantum sensor and materials, carbon neutrality, hydrogen economy and new clean mobility.

Your project

We are looking for an intern to support our next generation fuel cell technology development, focusing on evaluating innovative materials for the core components of the fuel cell such as the proton exchange membrane. You will be responsible for:

Conducting various tests on material and component level

MEA manufacturing and performance validation using our fuel cell test bench

Implementation of new test protocols

Assess and confirm the feasibility of the technology

Identify technology gaps and issues, suggest solutions and improvement

Want to know more about how it is to work at Toyota? Check-out Or

Your Profile

You are fluent in English (TME's business language)

Master student in final year (preferably: Chemical / Electrochemical / Materials Engineering)

Good knowledge in electrochemistry and material science

Flexible team player

Open personality able to work in an independent way, hands-on mentality

Basic computer skills: (MS Office and database)

Place of employment

Belgium - Brussels (Zaventem): Toyota Motor Europe, Technical Centre

Starting date

April/May 2024

Duration

6 months

Confidentiality

Due to business requirement, not all performed projects can be reflected in the internship report. This issue needs to be discussed with candidate/school in advance.

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