MEAsureD

Advanced MEAs ensuring high-efficiency HDV

TU Graz

Project Milestones

- At TU Graz, research is conducted according to the project plan. Therefore, the focus is on the characterisation and durability testing of different material generations. This task is in close collaboration with the project partners, in particular Advent, UL and UPV.
- From the 8th to the 13th September the TU Graz, at the Institute of Chemical Engineering and Environmental Technology, hosted the 17th International Summer School on Advanced Studies of Polymer Electrolyte Fuel Cells and Hydrogen.
- The MEAsureD project was represented in the poster session by PhD student Heiko Luis Hirschmann with the topic "***Investigation of phosphoric acid leaching in HT-PEMFCs for heavy-duty vehicle applications***". The study focuses on the investigation of the influence of HDV-specific operating conditions on the phosphoric acid loss of the different membrane types. Project results will further be shared at the Resource Efficient Vehicles Conference 2025, as well as the 248th ECS Meeting.
- The ongoing research activities were also presented at the Resource Efficient Vehicles Conference 2025 by PhD student Florian Tritscher in the presentation: "***Investigation of new ion-pair-based membranes for carbon-neutral propulsion of heavy-duty vehicles***"
- Project results will further be shared at the 248th ECS Meeting in Chicago.

In addition to the continuous generation of new data, TU Graz has made significant progress in actively disseminating the project's results, ensuring that key findings reach relevant stakeholders and the broader scientific community.

Partners

Honeywell

University of Stuttgart
Germany

University of Ljubljana

TU Graz

ADVENT

AVL

UNIVERSITAT POLITÈCNICA DE VALÈNCIA

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Clean Hydrogen Partnership

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