



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG

Fachbereich Chemie
Tor zur Welt der Moleküle



Dr.-Ing. Patrick Schühle



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Advancing hydrogen technologies: Novel concepts and catalysts for hydrogen generation and transportation

Advancing hydrogen technologies requires innovative catalytic solutions for efficient production, storage, and utilization. Patrick Schühle's research group focuses on developing cost-effective, stable, and selective heterogeneous catalysts for applications in the synthesis, reforming or conversion of C1 compounds and derivatives. His work includes demonstrating a novel hydrogen transport scenario using Dimethyl ether (DME) as a hydrogen carrier and developing precious metal-free oxidic catalysts for DME steam reforming. Additionally, in his BMFTR junior research group Dr. Schühle investigates the synthesis of syngas, hydrogen and methanol from biomass residues via aqueous formic acid.

Donnerstag, 11.12.2025

16 Uhr c.t.

Hörsaal B

Fakultät für Mathematik, Informatik und Naturwissenschaften

Fachbereich Chemie

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