New member for the clean air team

Benedikt Streibl started on October, 1st

Welcome, Mr. Streibl!

Controlling aftertreatment systems for exhausts from any type of combustion process is a key research topic of the Department of Functional Materials. Even when combusting “green” (renewable) biomass, nitrogen oxide emissions are formed. Therefore, SCR systems may be necessary to meet the legal requirements. Their efficient control is of huge importance.

Therefore, we are pleased that Mr. Benedikt Streibl is addressing this exciting topic. In a joint project with the “Deutsches Biomasseforschungszentrum” (Leipzig) and H+H Engineering (Sonnefeld, Upper Franconia), a company specialized in exhaust gas aftertreatment, he will focus on improving SCR systems for biomass combustion.

Benedikt Streibl started his academic career in 2019 when studying “Materialwissenschaften und Werkstofftechnik” at the Faculty of Engineering Science at the University of Bayreuth. After receiving a bachelor’s degree, he continued with the master program “Materialwissenschaften und Werkstofftechnik” in Bayreuth. Finally, he joined our group in early 2025 to work on his master’s thesis in the field of thermoelectric gas sensors manufactured by the powder aerosol deposition method. Within the scope of his thesis, he already applied his sensors for biomass combustion exhausts. Now, he we will continue to improve SCR-based exhaust gas aftertreatment systems for biomass combustion.

Benedikt Streibl at his desk, studying the theses of his predecessors and the basics of radio frequency technique

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