

Joint Project SPECTRE:

DFG Funds Research Training Group at LIKAT and the University of Rostock with Around 6 Million € for Five Years

The DFG has approved funding for a Research Training Group for the development of sustainable technologies to avoid and reduce the greenhouse gas carbon dioxide. From spring 2024, the joint project between LIKAT and the University of Rostock will be funded with around six million euros for five years.

SPECTRE, short for "Spectroscopic Methods for Challenging Reduction Reactions - Catalytic Coupling of CO₂", will focus on the use of the greenhouse gas as a building block for higher-value, CO₂-neutral products. At the same time, regenerative energies can be stored in chemical compounds in this way. Detailed information about the processes that occur and how the catalysts work is essential for the development and optimization of new reaction pathways. Spectroscopic investigations, in particular so-called operando methods, allow the catalytic processes to be studied directly during the reaction.

Prof. Torsten Beweries, Head of Department at the Leibniz Institute for Catalysis, played a key role in the application process. "By pooling the expertise of LIKAT and the various departments of the university, we can offer all future doctoral students of the research training group the best conditions for in-depth interdisciplinary research work." The Research Training Group comprises a structured training program with interdisciplinary teaching and supervision.

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