

Also in 2026!

Department of Functional Materials gave contributions at the Eurosensors conference 2026 in Zurich, Switzerland



Over 500 scientists, mainly from Europe, attended the annual Eurosensors conference, which was held from September 6–9, 2026 in Zurich, Switzerland. The conference focuses on sensors, actuators, micro- and nanosystems, and new technologies. In 2026, the Department of Functional Materials delivered three oral presentations, and also presented its findings on two posters.

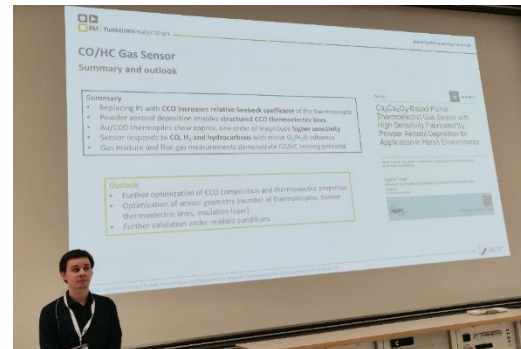


Thomas Wöhlrl, Julia Herrmann, Andreas Güntner (conference host), Daniela Schönauer-Kamin, and Ralf Moos (from left to right) in front of the reception booth.

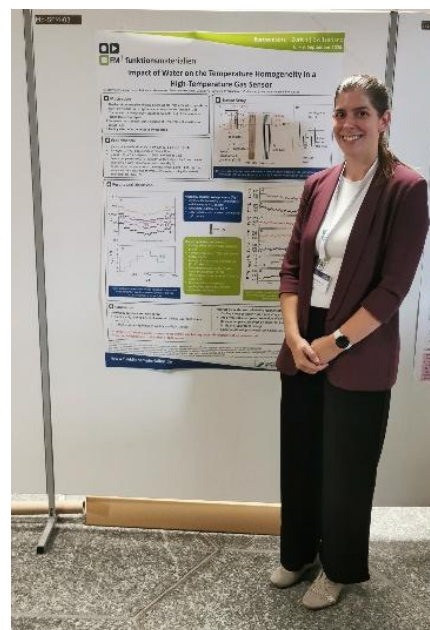


Daniela Schönauer-Kamin presented on the electrical properties and their correlation with DRIFTS measurements of Ba-based NO_x storage materials for radio-frequency gas dosimeter sensors. The results base on the bachelor's thesis by **Fabian Fütterer**, who is now pursuing a master's degree in Materials Science and Engineering in Bayreuth.

Thomas Wöhlrl reported on the significant increase in sensitivity achieved by using a novel material in a thermoelectric CO/HC sensor, which is deposited using the powder aerosol deposition method. The results are based on the master's thesis by **Benedikt Streibl**, who is now working on another project (see below) at our department as part of his doctoral thesis.



Ralf Moos presented findings on the microwave-based status control of NH₃-SCR catalysts for biomass combustion. The findings are based on work conducted by **Benedikt Streibl** as a part of a joint project with "H+H Engineering" and the Deutsche Biomasse Forschungszentrum (DBFZ).



Thomas Wöhlrl (left) and **Julia Herrmann** (right) presented the results of their dissertation projects as part of a poster session. Topics are the development of zeolite materials for epichlorohydrin sensors operating at room temperature (left) and the influence of water on the temperature homogeneity in a high-temperature gas sensor (right).