

Report from the 16th Dresden Sensor Symposium 2022

From 5 to 7 December 2022, the 16th Dresden Sensor Symposium took place at the Bilderberg Bellevue Hotel in Dresden. The three-day conference brought together around 130 experts in measurement and sensor technology from industry, science and public authorities to exchange views on a wide range of sensor technology areas in 28 lectures and 45 posters. The focus was on the application fields of food and agriculture, process engineering and sensor technology in the high-temperature and environmental sectors. Special attention was also paid to the topics of biomedical technology and innovative measurement methods. Other highlights included the panel discussion "Instrumental analytics vs. smart sensor networks", the excursion to the local semiconductor plant of Bosch, as well as numerous networking opportunities. In addition, the conference's own poster prize was awarded five times this year, with first and second place each receiving 100 euros in prize money.

The poster award winners are:

1st place:

Lars Dähne, et al, Surflay Nanotec GmbH, Berlin/D,
for his contribution: "Miniaturised, label-free surface sensor technology based on low-Q whispering gallery modes".

2nd place:

Julia Herzog, et al, Dresden University of Technology, Dresden/D,
for her contribution: "Ethanol-sensitive hydrogels on plasmonic sensor substrates: Influence of the swelling process on the refractive index change"

and:

Merle Sehlmeier, et al, Leibniz Universität Hannover, Hannover/D,
for their contribution: "Detecting Cell Growth on Cochlear Implant Stimulation Electrodes by Impedance Spectrometry".

3rd place:

Dennis Arendes, et al, Saarland University, Saarbrücken/D,
for his contribution: "Qualification of a gas mixing apparatus for complex trace gas mixtures".

and:

Julia Chen, et al, Fraunhofer IPA, Mannheim/D,
for their contribution: "Contactless determination of breathing frequency using an ultra-high frequency sensor".



The poster award winners of the 16th Dresden Sensor Symposium 2022 [© DECHEMA / Christian Bur].

Further information on the detailed programme, the individual contributions and the conference in general can be found at: <https://dechema.de/dss16.html>

We, the DECHEMA Society for Chemical Engineering and Biotechnology, would like to thank our sponsors and all participants who supported and made this conference possible.

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