

PRESS RELEASE

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Fraunhofer IIS hosts 12th conference on industrial computed tomography iCT 23

Fürth: The Development Center X-ray Technology EZRT of the Fraunhofer Institute for Integrated Circuits IIS will host the twelfth Conference on Industrial Computed Tomography iCT 23 from 27 February to 2 March 2023. A staple event for more than ten years, the conference offers participants from industry and research a forum for mutual dialogue. iCT 23 will take place at Stadthalle Fürth, where around 200 experts from all over the world are expected.

The relevance of industrial X-ray computed tomography (CT) is continuously increasing, mainly due to its advantages in the non-destructive testing (NDT) of materials and components. In contrast to most other NDT methods, CT provides a three-dimensional digital twin of a component including its internal structure. This in turn facilitates the detection of defects, including pores, cracks, or impurities, making CT an essential tool in many NDT applications.

Industrial CT systems are characterized by high demand and great knowledge gain, leading to new products, methods, and applications on a consistent basis. Lectures from industry and science at the iCT Conference 2023 will give insight into established methods as well as the latest developments.

Registration for the event is open at:
<https://ict2023.fraunhofer-events.de/registration/>

Please find further details and the program at:
<https://iis.fraunhofer.de/ict23>



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The Fraunhofer-Gesellschaft, headquartered in Germany, is the world's leading applied research organization. Its research activities are conducted by 76 institutes and research units at locations throughout Germany. The Fraunhofer-Gesellschaft employs a staff of more than 30,000, who work with an annual research budget totaling more than 2.9 billion euros.

The **Fraunhofer Institute for Integrated Circuits IIS**, headquartered in Erlangen, Germany, conducts world-class research on microelectronic and IT system solutions and services. Today, it is the largest institute of the Fraunhofer-Gesellschaft. Research at Fraunhofer IIS revolves around two guiding topics:

In the area of **"Audio and Media Technologies"**, the institute has been shaping the digitalization of media for more than 30 years now. Fraunhofer IIS was instrumental in the development of mp3 and AAC and played a significant role in the digitalization of the cinema. Current developments are opening up whole new sound worlds and are being used in virtual reality, automotive sound systems, mobile telephony, streaming and broadcasting.

In the context of **"cognitive sensor technologies"**, the institute researches technologies for sensor technology, data transmission technology, data analysis methods and the exploitation of data as part of data-driven services and their accompanying business models. This adds a cognitive component to the function of the conventional "smart" sensor.

More than 1100 employees conduct contract research for industry, the service sector and public authorities. Founded in 1985 in Erlangen, Fraunhofer IIS has now 14 locations in 10 cities: Erlangen (headquarters), Nuremberg, Fürth, Dresden, further in Ilmenau, Bamberg, Waischenfeld, Würzburg, Deggendorf and Passau. 75 percent of the budget of 191 million euros a year is financed by contract research projects. Approximately 25 percent is subsidized by federal and state funds as well as internal projects of the Fraunhofer-Gesellschaft. Detailed information on: www.iis.fraunhofer.de/en
