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Institute director Professor Alexander Martin joins Founding Executive Board at the University of Technology Nuremberg

Nuremberg/Germany: As of April 1, 2023, Professor Alexander Martin has been appointed Founding Vice President for Research, Innovation and Entrepreneurship at the University of Technology Nuremberg (UTN). As part of his new role, he will establish and expand collaboration between Fraunhofer IIS and the newly founded university.

Alexander Martin studied industrial mathematics at the University of Augsburg before receiving his doctorate and qualifying as a professor in the field of mathematics at TU Berlin. He then served as deputy head of the Optimization department at the Zuse Institute Berlin (ZIB). In 2000, he joined the Technical University of Darmstadt, first as a professor and later as Vice President from 2008 to 2010. Most recently, he led the Chair of Analytics & Mixed-Integer Optimization at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU). Since 2019, he has been one of three directors at the Fraunhofer Institute for Integrated Circuits IIS in Erlangen. In this role, Professor Martin is responsible for topics such as data analytics and artificial intelligence through the ADA Lovelace Center. He has participated in various initiatives by the German Research Foundation (DFG) involving Collaborative Research Centres 666 and 805, which focused on interdisciplinary approaches to developing building components and on subsets of mechanical engineering in load carrying systems. He recently also served as spokesperson for the TRR 154 project, which seeks answers to the questions and challenges of efficient gas supply and has just received approval for its third phase. In addition, Professor Martin has been and remains involved in several joint projects by the Federal Ministry of Education and Research and the Federal Ministry for Economic Affairs and Climate Action, and has co-edited various international journals. He is also a member of the DFG Senate Committee and Grants Committee on Research Training Groups and chair of the German Operations Research Society (GOR).

Professor Martin is very excited about the tasks that await him at UTN: "I have always followed the development of the UTN with great interest. After all, establishing a new university strengthens the scientific community of the entire metropolitan region. This makes me all the more eager to contribute my knowledge and experience to this unique project." Professor Martin will take the opportunity to establish collaboration between the new university and Fraunhofer IIS.

Head of Corporate Communications

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FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS

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Founding President looks forward to collaboration

“I am delighted that Prof. Dr. Alexander Martin is taking over the position of Founding Vice President. Based on his previous experiences – among other things as Institute Director of Fraunhofer IIS – he will provide important expertise to build up the research structures at a newly founded university. With his network in the region as well as his international reputation as a scientist, he will play a decisive role in shaping the future path of UTN,” says Founding President Professor Hans Jürgen Prömel.



Founding President Professor Hans Jürgen Prömel and institute director Professor Alexander Martin upon his appointment as Founding Vice President for Research, Innovation und Entrepreneurship at the University of Technology Nuremberg. © Technische Universität Nürnberg | Print-quality image: www.iis.fraunhofer.de/pr.

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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 1,170 employees conduct contract research for industry, the service sector and public authorities. Founded in 1985 in Erlangen, Fraunhofer IIS now has locations in 11 cities: Erlangen (headquarters), Nürnberg, Fürth and Dresden, as well as Bamberg, Deggendorf, Ilmenau, München, Passau, Waischenfeld and Würzburg. 72 percent of the budget of 189.7 million euros a year is financed by contract research projects. Institutional funding from the Fraunhofer-Gesellschaft covers 28 percent of the budget.

Detailed information on: www.iis.fraunhofer.de/en
