

PRESS RELEASE

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Leadership duo of Professors Ulrike Ganesh and Martin Schneider-Ramelow will shape the future strategy of Fraunhofer IZM

The Fraunhofer Institute for Reliability and Microintegration IZM is proud to announce the appointment of Professor Dr Ulrike Ganesh as its Co-Director. Starting on 01 August 2024, she will join Professor Martin Schneider-Ramelow in shaping the strategic direction of the Institute.

Experience at the helm for innovative microelectronics

Ulrike Ganesh is a renowned expert in the characterization and failure analysis for highly advanced semiconductor technology. She is bringing in a wealth of experience from her track record of many years in science and industry, starting in a postdoc role at IBM in New York, followed by a period in charge of failure analysis at Qualcomm in San Diego. Professor Ganesh built on her leadership and management experience at Robert Bosch GmbH, working in chip design for the automotive industry, before moving on to head the „Nondestructive Testing“ unit at the Federal Institute for Materials Research and Testing. She considers her ability to initiate complex research projects and combining the different stakeholders' interests and competences a personal strength. „I am excited about joining Professor Schneider-Ramelow and the entire crew of Fraunhofer IZM in finding innovative solutions to the great challenges in microelectronics and helping secure Germany's competitive edge in this critical field“, Ganesh says with a look ahead at Fraunhofer IZM.

Professor Martin Schneider-Ramelow has been at the head of the Institute for several years and is a leading specialist for the materials and technologies needed for so-called High-Performance Packaging (HPP), the means to construct miniaturized, highly versatile, and extremely reliable microelectronic systems. His expert knowledge in interconnection and packaging technology has played a major part in establishing the Institute's reputation on the international stage. „Professor Ulrike Ganesh is an exceptional researcher and a born leader whose knowhow and innovative outlook will be a great asset to our research strategy“, Schneider-Ramelow says about his new colleague. „Her expertise is invaluable when you see the greater demands placed on the reliability and performance of microelectronic systems for chipllets or for applications like quantum computing, 6G, bioelectronics, or hardware security.“

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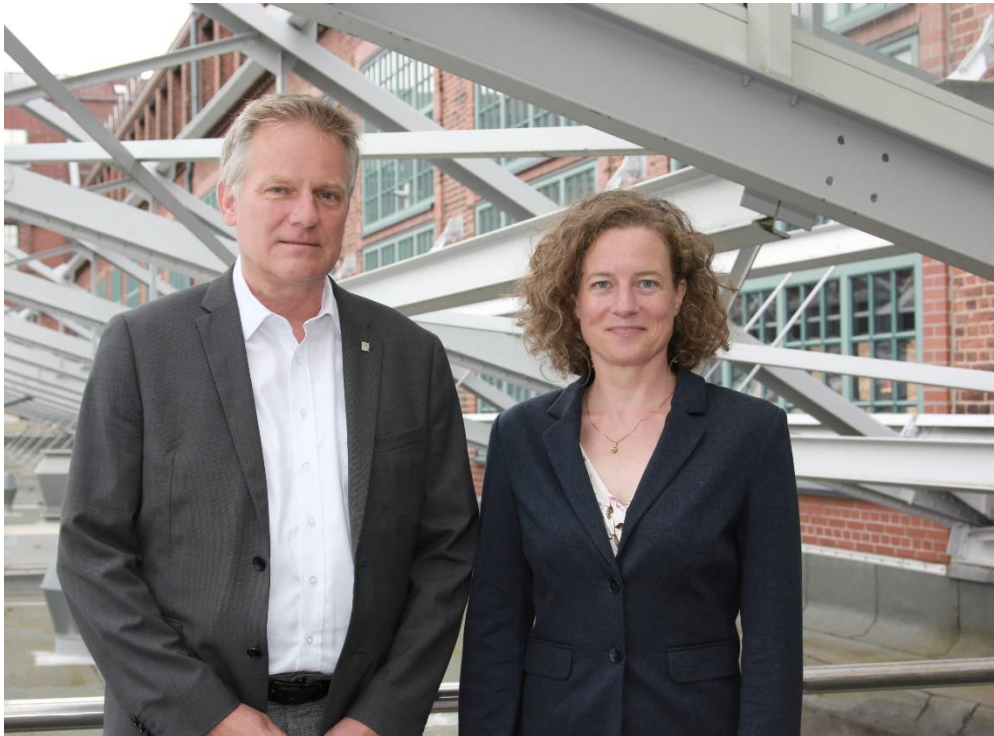
FRAUNHOFER INSTITUTE FOR RELIABILITY AND MICROINTEGRATION IZM

Synergetic expertise for the future of electronics

With both bringing in unique expertise in semiconductor processing and in packaging and interconnection technology, the leadership duo represents real synergy in action. „Us two working together will allow us to offer comprehensive answers to the complex questions asked in today’s microelectronics research“, Professor Ganesh explains. Professor Schneider-Ramelow adds: „We are coming together to raise a flag for the future of Fraunhofer IZM. We are about to lead the Institute into a new era of microelectronics research and help master the technological challenges of our world.“

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The incoming leadership duo of Fraunhofer IZM: Professors Martin Schneider-Ramelow and Ulrike Ganesh © Fraunhofer IZM | Print quality:

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The **Fraunhofer-Gesellschaft**, headquartered in Germany, is the world's leading applied research organization. With its focus on developing key technologies that are vital for the future and enabling the commercial exploitation of this work by business and industry, Fraunhofer plays a central role now and in the future. Founded in 1949, the Fraunhofer-Gesellschaft currently operates 76 institutes and research institutions throughout Germany. The majority of the organization's 32,000 employees are qualified scientists and engineers, who work with an annual research budget of 3.4 billion euros. Of this sum, 3.0 billion euros are generated through contract research.

Highly integrated microelectronics are omnipresent and yet often evade the eye. With 4 central technology clusters, **Fraunhofer IZM** covers a wide range of areas in quantum, as well as medical, communications and high-frequency technology. With our world-leading expertise, we offer our customers cost-effective development and reliability assessment of electronic packaging technologies, as well as custom-tailored system integration technologies at wafer, chip and board level. For over 30 years and at 3 locations, we have been supporting start-ups as well as medium-sized and large international companies (with knowledge transfer) and researching key technologies for intelligent electronic systems of the future.

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