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Extraordinary appointment of private lecturer and scientist of Fraunhofer IPMS

Prof. Dr.-Ing. Christine Ruffert appointed professor at BTU Cottbus-Senftenberg

The Brandenburgische Technische Universität Cottbus-Senftenberg (BTU) announced the appointment of former private lecturer professor Dr.-Ing. Christine Ruffert as adjunct professor. Prof. Dr. Ruffert will continue her leading role at the Fraunhofer Institute for Photonic Microsystems IPMS in Cottbus and contribute to the structural change project iCampus. From September 2024 on she will contribute her expertise in microsystems technology and applied physics to research and teaching at BTU Cottbus-Senftenberg.

Prof. Dr. Ruffert can look back on an impressive career in science and industry. After completing her diploma in physics and her PhD at the Leibniz Universität Hannover, where she worked on an innovative project to develop a microlinear motor as part of the DFG's Collaborative Research Center, she obtained her habilitation in microfluidics at the Technical University of Braunschweig in 2017. Among other things, she was a DFG (German Research Foundation) research fellow at the École Polytechnique Fédérale de Lausanne and has successfully led numerous research projects. Her work in the field of microfluidics, particularly in the development of microfluidic separation processes and sensor systems, has been widely recognized by experts.

Connection of research and industry

At BTU, Prof. Dr. Ruffert will offer innovative courses in the field of microsystems technology and microfluidics physics and incorporate her many years of experience in applied research and cooperation with industrial partners into her teaching. At Fraunhofer IPMS, her work on projects including predictive machine maintenance and the development of innovative sensor solutions enables her to closely link research at BTU with the needs of industry.

With her numerous specialist publications and her international network, Prof. Dr. Ruffert is an outstanding personality in her field. BTU Cottbus-Senftenberg and Fraunhofer IPMS benefit equally from her expertise, especially in the context of the upcoming structural change processes in Lusatia, Germany. Her commitment to combining science and practice will further strengthen the research landscape at the BTU. Fraunhofer IPMS congratulates Prof. Dr.-Ing. Christine Ruffert on her appointment.

Editor

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FRAUNHOFER INSTITUTE FOR PHOTONIC MICROSYSTEMS IPMS

About Fraunhofer IPMS

The Fraunhofer Institute for Photonic Microsystems IPMS a leading provider for applied research and development in the fields of photonics, microelectronics and microsystems technology, which are relevant for intelligent industrial solutions, medical technology and mobility. At the Institute branch Integrated Silicon Systems ISS in Cottbus, we offer state-of-the-art research in the field of mechanical and electrical characterization including dynamic testing of microcomponents, electrostatic actuators, especially for microfluidic applications, and terahertz micromodules.

About the iCampus project

The “Innovation Campus Electronics and Microsensor Technology Cottbus” project aims to accelerate the transfer of knowledge and findings to industry. At BTU Cottbus-Senftenberg, a regional contact point with national appeal is to be created in the field of application-oriented electronics and microsensor technology. Demonstrators or prototypes for SMEs can be developed, from the creation of individual solutions to small series production. The consortium consisting of six partners offers solutions from the fields of optics and photonics, ultra-high frequency technology, MEMS technology and application-oriented AI evaluation.

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Images



Prof. Dr. Christine Ruffert is appointed professor at BTU Cottbus-Senftenberg. F. l. t. r.: Prof. Dr. Gesine Grande, president of BTU; Prof. Dr. Christine Ruffert; Prof. Dr. Götz Seibold, dean of MINT faculty at BTU; Prof. Dr. Harald Schenk, institute director of Fraunhofer IPMS
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