

VDE ITG honors outstanding scientists

Numerous researchers were honored by the professional association for their publications and scientific achievements as well as for their voluntary work.

(Frankfurt am Main, November 27, 2025) The Information Technology Society within VDE (VDE ITG) has honored outstanding academic achievements, dissertations, and scientific publications. With these awards, the VDE ITG recognizes various achievements in the scientific field, highlights excellence, and provides a stage for outstanding achievements.

A total of six VDE Fellows were also honored; a VDE medal of honor and six certificates of honor were presented. They show appreciation for volunteer work—for example, in the context of scientific discourse at conferences and forums where experts from various disciplines can engage in lively exchange.

The awards were presented at the VDE Capital Forum on November 26, 2025, in Berlin. A highlight of the event was the colloquium in honor of the former VDE ITG Chairman Dr.-Ing. Volker Ziegler, with contributions from the current Chairman Dr.-Ing. Jörg-Peter Elbers, his predecessor Prof. Dr.-Ing. Hans Schotten, and Prof. Dr.-Ing. Christoph Günther, former head of the German Aerospace Center in Oberpfaffenhofen near Munich.

The award winners in detail:

VDE ITG Prize 2025 for outstanding publications: Dr. Christoph Baer, Prof. Ilona Rolfes, Francesca Schenkel, Dr. Christian Schulz (all from Ruhr University Bochum), and Dr. Thorsten R.P. Schultze were honored for their essay "Radar-Enabled Millimeter-Wave Sensing of Fire Interactions." Jonathan Bott (Ruhr University Bochum), and Andreas Rennings (University of Duisburg-Essen) were also honored for their paper "An 8 × 8 MIMO Radar System Utilizing Cascadable Transceiver MMICs With On-Chip Antennas at 240 GHz" and the publication "Differential-Mode Power Detection for Built-In Self-Test of SiGe Automotive Radar Transceiver

Front Ends" by Prof. Dr.-Ing. Vadim Issakov, Prof. Dr.-Ing. habil. Dipl.-Math. Bernd Meinerzhagen (both from the Technical University of Braunschweig) and Dr. Yannick Wenger (Keysight Technologies).

The **VDE ITG Dissertation Award 2025 for outstanding dissertations** goes to Dr.-Ing. Tobias T. Braun (Ruhr University Bochum) for his dissertation on "High-precision frequency synthesis and nonlinear radar systems based on SiGe circuits for the protection of vulnerable road users," Dipl.-Ing. Dr. techn. Stefan Baumgartner (Apple Linz, Austria) for his doctoral thesis "Machine Learning Concepts for Physical Layer Receiver Processing in Wireless Communication Systems," and Dr.-Ing. Johannes Jakubik (IBM Research Europe, Zurich, Switzerland) for his dissertation "Data-Centric Artificial Intelligence: Foundations and Methods for Deep Learning."

Sophie Theresa Thiele (Christian Albrecht University of Kiel) and Dipl.-Ing. Robert Krämer (Dresden University of Technology) were awarded the **VDE ITG Study Prize 2025 for outstanding theses, including academic achievements and further commitment to the field of information technology.**

The following individuals were honored as **VDE ITG Fellows 2025 for their outstanding services to the VDE, in particular the VDE ITG**: Prof. Dr.-Ing. Friedel Gerfers (Technical University of Berlin), Dipl.-Ing. Nikolaus Gieschen (Deutsche Telekom AG), Prof. Dr.-Ing. Tanja Schultz (University of Bremen), Prof. Dr.-Ing. Christian Wietfeld (Technical University of Dortmund), Prof. (ret.) Dr.-Ing. habil. Adam Wolisz (Technical University of Berlin), and Dr.-Ing. Volker Ziegler (posthumously, Nokia, Munich).

Prof. Dr. Gerhard Bauch receives **the VDE Medal of Honor 2025** for his voluntary work in the VDE ITG, in his role as a member of the Executive Board, where he has had a significant influence on the recruitment of young talent and laid the foundation for the VDE ITG Study Prize.

The **VDE Certificate of Honor 2025 for exceptional voluntary work for the VDE ITG** was awarded to Prof. Dr. Wolfgang Karl (Karlsruhe Institute of Technology), Prof. Dr.-Ing. Dorothea Kolossa (Technical University of Berlin), Prof. Dr. Rainer Martin (Ruhr University Bochum), Prof. Dr. Maria Dolores Pérez Guirao (Ostfalia University of Applied Sciences, Braunschweig/Wolfenbüttel), and PD Dr. Ingo Siegert (Otto von Guericke University Magdeburg).

About the Information Technology Society within VDE (VDE ITG):

The Information Technology Society within VDE (VDE ITG) is a community of experts working in the field of information and communication technology (ICT). Founded in 1954, this technical society aims to pave the way for innovative technology topics, bringing them from the scientific world into our economy and society. It combines theory and practice to promote the technology topics of tomorrow, which are crucial for the digital transformation of the economy and society. The ITG sees itself as a driving force in the ICT field and supports the VDE vision of a livable and e-dialistic future.

For more information, visit www.vde.com/itg

About VDE:

VDE, one of the largest technology organizations in Europe, has been regarded as a synonym for innovation and technological progress for more than 130 years. VDE is the only organization in the world that combines science, standardization, testing, certification, and application consulting under one umbrella. The VDE mark has been synonymous with the highest safety standards and consumer protection for more than 100 years.

Our passion is the advancement of technology, the next generation of engineers and technologists, and lifelong learning and career development “on the job”. Within the VDE network more than 2,000 employees at over 60 locations worldwide, more than 100,000 honorary experts, and around 1,500 companies are dedicated to ensuring a future worth living: networked, digital, electrical.

Shaping the e-dialistic future.

The VDE (VDE Association for Electrical, Electronic & Information Technologies) is headquartered in Frankfurt am Main. For more information, visit www.vde.com

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