

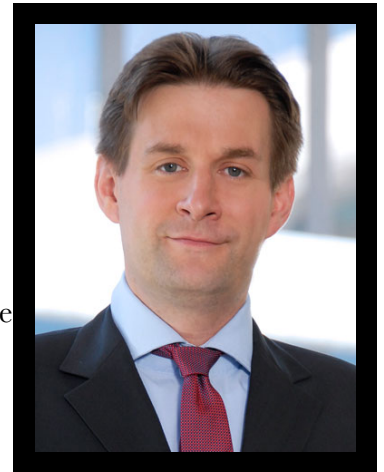
Department of Microsystems Engineering - IMTEK
University of Freiburg

PD Dr. Rüdiger Quay

Lecturer for RF- and Microwave Devices, Circuits and Systems at the Department of Microsystems Engineering (IMTEK) of Albert Ludwig University Freiburg and Group Leader at the Fraunhofer Institute for Applied Solid State Physics IAF.

Short description of the scientific career

Rüdiger Quay received his diploma in physics at Rheinisch-Westfälische Technische Hochschule (RWTH), Aachen, Germany in 1997, and a second diploma in economics in 2003. He obtained his PhD with honors in technical sciences at Technical University Wien, Vienna, Austria in 2001, and in 2009 he received the *venia legendi* (habilitation) in microelectronics, again at Technical University Wien. He currently is the leader of RF-devices and circuit characterization group, and deputy head of the business unit GaN RF Power Electronics at the Fraunhofer Institute for Applied Solid State Physics IAF Freiburg, Germany. Since 2011 he is a lecturer at the University of Freiburg in the Department of Microsystems Engineering (IMTEK) and also at the TU Wien in the field of RF- and microwave and power electronics. He has authored and coauthored over 130 refereed publications and two monographs. Dr. Quay is chairman of MTT-6, Microwave and Millimeter Wave Integrated Circuits.



Education

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| 1991–1994 | Basic studies in physics at University of Bonn |
| 1994–1997 | Main studies in physics at the RWTH Aachen, Diploma Thesis with Prof. Dr. Poprawe Topic: laser spectroscopy |
| 1994–1997 | Scholar of the Cusanuswerk “Bischöfliche Studienförderung” (Episcopal Scholarship Foundation) |
| 1994–2003 | Additional degree in economics: Qualified economist |

Doctoral Degree

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| 1998–2001 | Received PhD in engineering sciences (with honors) at TU Wien, Prof. Dr. Selberherr, Institute for Microelectronics Topic: simulation of RF- and microwave devices. |
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1998–2001 Received Ernst von Siemens Scholarship from Siemens Ltd.

Scientific Career

1996 Visiting scientist at Los Alamos National Laboratory, New Mexico, USA

1997–1998 Research fellow at Institute for Technical Physics/ DLR, Stuttgart

1999 Visiting scientist at University of Illinois at Urbana Champaign (USA), Prof. K. Hess.

2/2001 Research fellow at Fraunhofer Institute of Applied Solid State Physics IAF, Freiburg

Since 2004 Group leader for the characterization of RF- and microwave devices and circuits at Fraunhofer Institute of Applied Solid State Physics IAF

16.9.2009 Habilitation, received *venia legendi* in microelectronics at TU Wien.

since SS 2011 Lecturer for RF- and microwave devices, circuits, and systems, University of Freiburg, Department of Microsystems Engineering