

Speaker: Matthias Radecker

SESSION 01: ENERGY EFFICIENCY



Matthias Radecker received the Diploma degree in electrical engineering and the Dr.-Ing. degree from the University of Chemnitz, Germany, in 1978 and 2000, respectively. He joined the Fraunhofer Institute IMS in Duisburg in 1990, and was responsible for Smart-Power technologies and high-temperature integrated circuit design. In 2002 he joined the Fraunhofer Institute IAIS in Birlinghoven as the head of the power electronics group. Since 2009 he is responsible for piezoelectric technology and related power electronics and analogue-mixed-signal integrated circuit control research at Fraunhofer Institute for Reliability and Micro-Integration IZM in Berlin. His research

interests include PSoC, piezoelectric transformers, piezoelectric generators, lighting applications, power control, digital platform power control programming, and analogue-mixed-signal integrated circuit design. He holds patents in the area of resonant power converters and integrated/discrete control, and has published related papers. His research interests include heuristic methods for sensitivity analysis and probabilistic evolutionary circuit and system optimization.