

Biography

Michael Schier received his diploma and Dr. degree in Electrical Engineering with specialization in energy technologies and electrical drives at the Technical University of Kaiserslautern, Germany. From 1995 to 1999, he was involved in the development of electrical machines and power electronics for starter-alternators in the department Electric Vehicles of the Siemens company in Würzburg, Germany. From 1999 until 2005 he was responsible for the development of blowers with electrical commutated motors and for automotive applications at the EBM Papst company. Before his work at DLR he was leader of power electronics development at Catem DEVELEV, a daughter company of the Eberspaecher company. Since 2007 Dr. Michael Schier is working in the research area at the German Aerospace Center in Stuttgart, Germany, where he first was responsible for the development of alternative drives within the institute of vehicle concepts. Currently he heads the department of vehicle energy concepts. The main issues of his scientific work were combined permanent magnet-electrically stator excited synchronous machines, starter-alternators for automotive application, electronically commutated motors for axial and radial blowers, high speed electric turbo-chargers, high torque machines for in-wheel motors for aircraft autonomous taxiing and double motor systems with corresponding publications in journals and international conferences.