

**Hans Tischmacher** was born in Wolfsburg, Germany, in August 1966. He received the Dipl.-Eng. degree in electrical drives from the Technical University of Braunschweig, Germany, in 1994. He is currently with Siemens AG, Industry Sector, Drive Technologies Division, Large Drives, Nuremberg, Germany as senior engineer for drive systems. He has 15 years experience in the development and testing of electrical motors and power electronic converters. He holds several patents in this field. His scientific interests include electric drive systems, power electronics, electrical machines especially the effects of the power electronic converters on electrical machines, e.g. bearing currents, noise emission, insulation stress etc.