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Born on July 13, 1964 in Urmia (Iran)

Scientific and Professional Career

Since 2011	Head of the of the Institute of Electrical Energy Conversion, University of Stuttgart, Germany
	Fields of Research: Electrical Machines and Contactless Energy Transfer
Since 2007	Professor (W3) for Electrical Energy Conversion, Faculty of Electrical Engineering, University of Stuttgart, Germany
2001 - 2007	Senior Researcher at the Faculty of Electrical Engineering, University of Bremen, Germany
1996 - 2001	Senior Manager at YXLON International X-Ray GmbH Hamburg (successor to Philips Industrial X-Ray GmbH)
1996	Postdoctoral Researcher at Department of Electrical Engineering and Computer Science, UC Berkley, USA
1995	PhD degree (Dr.-Ing.): “Fuzzy Logic Controlled Brushless D.C. Motor for a Heart Assist System”, TU Berlin
1991 - 1996	Research Associate at the Institute of Electrical Machines, TU Berlin
1991	Graduation in Electrical Engineering, TU Berlin (Dipl.-Ing.)

Scholarships, Awards and Faculty Functions

Since 2015	Advisory Board Member of “State Agency for Electric Mobility and Fuell Cell Technology Baden-Wuerttemberg GmbH”
Since 2013	Dean of Master studies for “Elektromobilität”, Universität Stuttgart
Since 2012	Advisory Board Member of Research Institute of Automotive Engineering and Vehicle Engines (FKFS Stuttgart)
Since 2012	Advisory Board Member of Institute of Microelectronics (IMS Stuttgart)
2012	„Übermorgenmacher Award” of the Federal State of Baden-Württemberg.
Since 2009	Member of the Executive Board of the Professors Council, Uni. Stuttgart
2004	“Technology Award” of the Federal State Bremen
2003	Prize „Innovative Ideas for the Future”, Federal State of Bremen
1995	Lecturer at Universidade Federal do Rio de Janeiro, Brasilien

Ten most important publications

* Publications jointly together with UoA-researchers involved within this IRTG

§ Publications jointly together with USTUTT-researchers involved within this IRTG

A) Published in publication outlets with scientific quality assurance and book publications:

1. Xu, Y.; Parspour, N.; Vollmer, U.: Torque Ripple Minimization for PMSM using Online Estimation of the Stator Resistances", IEEE Transaction on Industrial Electronics, 61(9), p. 5105-5114, 2014.
2. Seibold, P.; Gärtner, M.; Schuller, F.; Parspour, N.: Design of a Transverse Flux Permanent Magnet Excited Machine as a Near-Wheel Motor for the Use in Electric Vehicles, Electrical Machines. XXth International Conference on Electrical Machiness (ICEM2012), p. 2641-2646, 2012.
3. Hanitsch, R.; Parspour, N.: Exterior Permanent Magnet Motors. Book chapter in Modern Electrical Drives, Kluver Academic Publishers, p. 79-113, 2000.
4. Gärnter, M.; Schuller, F.; Parspour, N.; Seibold, P.: Analytical Modeling and Simulation of Highly Utilized Electrical Machines Considering Nonlinear Effects, Electrical Machines (ICEM), p. 2786-2791, 2012.
5. Gärtner M.; Seibold P.; Parspour N.: Laminated Circumferential Transverse Flux Machines – Lamination Concept on Applicability to Electrical Vehicles, IEEE International Electric Machines & Drives Conference (IEMDC), p. 831-837, 2011.
6. Babazadeh, A.; Parspour N.; Hanifi, A.: Transverse Flux Machine for Direct Drive Robots: Modelling and Analysis", IEEE Conference on Robotics, Automation and Mechatronics, 1, p. 376-380, 2004.
7. Parspour, N.: Novel Drive for Use in Electrical Vehicles, IEEE Vehicular Technology Conference (VTC), 5, p. 2930-2933, 2005.
8. Ebrahimi, A.; Parspour, N.: Modified analytical modeling of surface mounted permanent magnet synchronous motor - Design and prototype tests. Power Engineering, Energy and Electrical Drives (POWERENG), p. 346-351, 2013.
9. Ebrahimi, A.; Parspour, N.; Maier, M.: Analysis of torque behavior of permanent magnet synchronous motor in field weakening operation, IEEE Power Energy Conference (PECI), p. 120-124, 2013.

B) Other publications

C) Patents

1. Arrangements and Processes for contactless Transferring of the Energy, No. DE 102005053111.3, submitted October 2005.
2. Coil Arrangement for an inductive charging device, EP 10172330.2, submitted August 2010.
3. Streuflussoptimierte Anordnung von aktiven Komponenten bei Transversalfluss- bzw. Klauenpolmaschinen, PT 6195 PCT
4. Rotierende induktive Energieübertragunsstrecke ohne vollständig ausgeprägte Flussführung, DE 10 2015 107 714.0, 2015

Supervised graduate students since graduation year 2011

No.	Last Name, First Name	Degree	Title of the dissertation	Duration of thesis
1	Kampen, Dennis	Dr.-Ing.	Optimized Filter Design for Grid Power Converters	2007 - 2012
2	Gärtner, Manuel	Dr.-Ing.	Design and Dynamic Simulation of Transverse Flux Machines	2008 - 2014
3	Schuller, Frieder	Dr.-Ing.	Control Strategies for Transverse flux Machines	2010 -
4	Zimmer, Marco	Dr.-Ing.	Inductive Charging Systems for EVs	2011 -
5	Beez, Marina	Dr.-Ing.	High Torque Motor for Manipulating Systems	2012 -
6	Jäger, Benedict	Dr.-Ing.	Torque Vectoring for EVs	2012 -
7	Seitz, Philipp	Dr.-Ing.	Contactless Energy Transfer to High Speed Trains	2012 -
8	Yavuz, Samil	Dr.-Ing.	Modeling and Design of Reluctance Machines	2012 -
9	Böttigheimer, Mike	Dr.-Ing.	Power Electronics for Contactless Charging Systems	2013 -
10	Maier, Marcel	Dr.-Ing.	Electrical Excited Synchronous Machines with Contactless Energy Transfer	2013 -
11	Neubauer, Andreas	Dr.-Ing..	Brushless D.C. Machines for Industrial applications	2013 -
12	Cortese, Giuseppe	Dr.-Ing.	Numerical Modelling of Electrical Machines	2014 -
13	Echle, Andreas	Dr.-Ing.	Modeling and Design of Axial Flux Machines	2015 -
14	Enssle, Alexander	Dr.-Ing.	Inductive Charging for Heart Asist Systems	2015 -
15	Noeren, Jannis	Dr.-Ing.	Power Electronics for Contactless Charging Systems	2015 -
19	Lusiewicz, Anna	Dr.-Ing.	Wirless Energy Transfer for High Speed Trains	2015 -
20	Maier, David	Dr.-Ing.	Analytical Modeling of Inductive Energy Transfer Systems	2015 -
21	Nägelkrämer, Jan	Dr.-Ing.	Powert Train for Electric Vehicles	2015 -
22	Präg, Philipp	Dr.-Ing.	Inductive Charging Systems for EVs	2016 -

Most important research grants since 2011

No.	Research Project	Funding Period	Name(s) of the principal investigator(s)	Funding source and reference number
1	Berührungsloses, induktives und positionstolerantes Ladekonzept für elektrisch angetriebene Fahrzeuge (BIPol)	2010 - 2011	Parspour, N.	Ministerium für Finanzen und Wirtschaft Baden-Württemberg
2	Kapazitive Daten- und Energieübertragung	2010 - 2012	Parspour, N.	Forschungs-vereinigung Antriebstechnik (FVA)
3	Entwicklung des Prototyps eines aktiven Antriebssystems für Prothesen und Orthesen	2011 - 2013	Parspour, N. Budaker, B.	Bundesministerium für Wirtschaft und Energie (BMWi)
4	Qualitätspakt Lehre – Individualität und Kooperation im Stuttgarter Studium (QuaLIKiSS)	2011 - 2015	Parspour, N.	Bundesministerium für Bildung und Forschung (BMBF)
5	Fahrdrahtlose Energieübertragung bei Schienenfahrzeugen des Vollbahnverkehrs (Next Generation Train)	2012 - 2013	Parspour, N.	Ministerium für Finanzen und Wirtschaft Baden-Württemberg
6	Berührungsloses, induktives und positionstolerantes Ladekonzept für elektrisch angetriebene Fahrzeuge ($BIPol^{plus}$)	2013 - 2015	Parspour, N.	Ministerium für Finanzen und Wirtschaft Baden-Württemberg