

## EMPLOYMENT

2020	Associate professor at Department of Electrical and Computer Engineering, Electrical Energy Technology, Aarhus University (ASE, Ingeniørhøjskolen Aarhus University) Teaching and research in ELECTRICAL POWER TECHNOLOGY in the motor and drives area.
2018	Technical assessor, Danak. The Danish Accreditation Fund. Accreditation of laboratories in the drives, motors, pumps, heatpumps and refrigerators areas under ISO 17025.
2016 – 2020	Assistant professor at ASE, Ingeniørhøjskolen Aarhus Universitet Teaching and research in ELECTRICAL POWER TECHNOLOGY in the motor and drives area.
2003- 2016	Development Engineer at Grundfos A/S, Research and Technology. Working with motor design, induction and permanent magnet motors. Modeling and optimization in Matlab and Finite Element simulations. Development test methods for converter driven motors. Participating in several projects also with Universities and external partners.
-	Chairman for "Dansk Standard" Roterende maskiner (S-502) (Danish Standard committee S502, rotating machines)
-	Danish National Expert member of IEC TC2/WG 31, Efficiency classes Development of standard IEC 60034-30
-	Danish National Expert member of IEC TC2/WG 28, Performance as determined by tests. Development of standards IEC 60034-28, IEC 60034-2 and maintenance of IEC 60034-4, IEC 60034-19, IEC 60034-28 and IEC 60034-29.
-	Danish National Expert member of Cenelec TC2/WG 1 Test of converter driven motors
2001-2003	Development Engineer at Danfoss A/S, Flow Division (2003 taken over by Siemens Flow Instruments). Working on magnetic Finite Element modeling and optimization of electromagnetic flow meters, Building up a test rig for measuring the performance of flow meters. Working as free-lance consultant on a switched reluctance motor project for the Danfoss Burner Components Division. This was done i parallel with working in the Flow Division.
1997-2001	Development engineer at Danfoss A/S, Automatic Controls Division. Working in the Central R&D team with medium to long term issues. Together with the Danfoss Hermetics Compressor Division on modeling and optimization of single- phase induction motors and development of single-phase permanent magnet line start motors. Together with the Automatics Controls Division on a new concept for a proportional solenoid actuator.
1991-1997	Development Engineer at Danfoss A/S, Corporate Technology and Research Division. Continuing the development of an electrical steering system for fork lifts, and after that project finished, the development of variable speed hermetic compressors with the Danfoss Hermetics Compressor Division, working primarily on the motor design and control strategies. Participating in projects together with Aalborg University, Institute of Energy Technology and Danish Technical University, Institute of Energy Technology. Several of these projects as member of the steering committee.
1990-1991	Development Engineer at Danfoss A/S, Mobile Hydraulics Group. Development of an electrical steering system for fork lift, designing electric motor and control electronics.
1989-1990	Research Assistant at Institute of Energy Technology, University of Aalborg Working as a research assistant on modeling of induction motors with non-sinusoidal supply. Teaching at the Masters education.

## EDUCATION

1984	General Certificate of Education from Ribe Katedralskole
1989	Masters of Science . from University of Aalborg in Electrical Energy Technology
2018	Teachers Training Programme, Aarhus University

## LANGUAGE

Danish	Proficient user (mother tongue, C2).
English	Proficient user (C2).
German	Proficient user (C1).