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CURRICULUM VITAE

Name Bengt Einar Stefan Östlund

Nationality Swedish

Date of Birth August 29, 1961

Address

KTH

School of Electrical Engineering

Electric Power and Energy systems

SE-100 44 Stockholm, SWEDEN

Phone: +46 8 790 7745

Cell: + 46 70 681 7145

e-mail: stefano@kth.se

Present position

Vice President for global relations KTH

Professor of Electric Power Engineering

Education

Academic education

1985 KTH Royal Institute of Technology, Civilingenjör i Elektroteknik, Master of Science in Electrical Engineering

1988 KTH Royal Institute of Technology, Teknologie Licentiat i Elektrisk effektomformning, Licentiate of Engineering in Electrical Power Conversion

1992 KTH Royal Institute of Technology, Teknisk Doktorsexamen, PhD. in Electric Power Conversion, Thesis title: *A primary switched converter system for traction applications.*

1999 KTH Royal Institute of Technology, Docent in Electric Railway Traction

Other education

2003 The CDIO model, A three days course on engineering education, MIT

2004-2005 KTH Executive School, Executive program in Infra Service Management

2010-2011 SUHF Higher Academic leadership program.

Employments and Academic Appointments

1999-2002 Chairman of undergraduate studies (Programansvarig) in Electrical Engineering, KTH

1993-1999 Assistant/Associate professor (universitetslektor) in Electric Power Engineering, KTH Royal Institute of Technology, Department of Electric Power Engineering

1996-2011 Director of the KTH Railway Group. The KTH Railway Group is a multi-disciplinary research group in Railway Engineering comprising different departments at KTH, Swedish rail industry and the National Rail Administration

- 2000-present Professor of Electric Power Engineering with special emphasis to Electric Railway Traction, KTH
- 1999-2004 Vice Dean of Education, KTH Faculty board
- 2003-2004 KTH, Dean of KTH South Campus
- 2004-2008 Vice Dean (education), KTH, School of Electrical Engineering
- 2009-2017 Dean, KTH School of Electrical Engineering
- 2017-present Vice president for global relations KTH

Other Appointments

- 1995- 2002 Member of IEEE-Industry Applications Society, Power Converter Committee, European Working Group
- 1999-2008 Member of the board, CHARMEC, VINNEX in Railway Mechanics, Chalmers University of Technology
- 2000-present Member of the board of Swedtrain, The Swedish Society of Rail Industries (Branschförening inom Teknikföretagen)
- 2003-2009 Member of the board for research, development and demonstration at the Swedish National Rail Administration (Banverket)
- 2005-20010 Vice Chairman of the Rolling Stock pole of the FP6 European Rail Research Network of Excellence, EURNEX
- 2005-2009 The Project Group of the IVA project “Långsiktiga spåret”
- 2007-2010 Chairman of the Rolling Stock pole of the European Rail Research Network of Excellence, EURNEX gmbh
- 2010-2016 Member of the Strategic board of STandUP, the Stockholm – Uppsala research alliance in energy (SRA).
- 2010-2013 European Institute of Technology, EIT KIC InnoEnergy Director of Education for the Swedish node.
- 2011-2016 KTH Faculty Liaison for INSPIRE, the Alliance between KTH, University of Illinois, SU and KI
- 2011-2014 Member of SEK/TK25 and SIS/TK114 Units and quantities.
- 2015-present EIT KIC InnoEnergy AB, Member of the board
- 2016-2017 Distinguished lecturer IEEE Transportation Electrification, “Electric Railway Traction - A key part of future transportation systems”
- 2017-present EIT KIC InnoEnergy SE, Member of the supervisory board.

Sabbaticals

- Spring 1997 University of Bath, UK
- 1999-2000 Part time sabbatical at ABB Corporate Research, in Västerås

Supervision

Supervised Ph.D. theses (main supervisor)

- 2003 Peter Kjellqvist. *Modelling and Design of Electromechanical Actuators for Active Suspension in Rail Vehicles*
- 2005 Staffan Norrga. *On Soft-Switching Isolated AC/DC Converters without Auxiliary Circuit*

2009 Tommy Kjellqvist. *On Design of a Compact Primary Switched Conversion System for Electric Railway Propulsion*

2014-ongoing Luca Bessegato

2015-ongoing Hongyang Zhang, industrial PhD ABB

Supervised Ph.D. theses (co-supervisor)

1999 Eckart Nipp. *Permanent Magnets Motor Drives with Switched Stator Windings*

2000 Thomas Bäckström (Kumm). *Integrated Energy Transducer for Hybrid Electric Vehicles*

Supervised Lic Eng. theses (main supervisor)

1995 Thomas Larsson. *The Electronic Fly-wheel – Design and Evaluation of an Active DC link filter for AC Traction Drives.*

1999 Peter Kjellqvist. *Electromechanical Actuators for Active Lateral Suspension in Rail Vehicles*

2011 Mattias Skoglund. *Evaluation of Test Cycles for Freight Locomotives*

Supervised Master theses

+25 supervised and examined master theses