

Curriculum Vitae for Elisabet Kassfeldt

Professor in Machine Elements

Luleå University of Technology, Division of Machine Elements, SE-971 87 Luleå, Sweden
phone: +46 (0)920 491240, +46 (0)70 529 1240, e-mail: elisabet.kassfeldt@ltu.se

Full name Maria Elisabet Kassfeldt, (f Sandberg)
Place and date of birth Luleå, 17 October 1955
Family Married to Torbjörn Kassfeldt, two grown up daughters

Degrees earned

Associated professor (sw; Docent) 2002 Luleå University of Technology
Title of the Presentation; *Environmentally Adapted Lubricants*
Ph D in Machine Elements 1987 Luleå University of Technology,
Analysis and Design of hydraulic cylinder seals, Supervisor Prof Bo O Jacobson.
Licentiate of Engineering 1985 Luleå University of Technology,
The influence of back-up rings and rubber compressibility on hydraulic cylinder seal performance
M. Sc in Mechanical Engineering 1979 Luleå University of Technology,

Current position

Head of Department, Engineering Sciences and Mathematics, 2011 –
Professor in Machine Elements, since 1st April 2009, Luleå University of Technology

Previous positions

Director, Teknikens Hus, Part time (20 %) September 2015 – Mars 2016
Assistant Head of the Division in Machine Elements 2009 - 2011
Senior lecturer (sw; Universitetslektor), 1987 – 2009, Machine Elements, Luleå University of
Technology,

Parental leave

Aug 1985 – Juni 1986, Nov 1988 – Aug 1989, part time – April 1990

Commitments at Luleå University of Technology;

Project coordinator, “Arena innovativ teknik & företagande”
A new educational program on Innovative Technology and
Business – with focus on product development 2001 – 2005
Project leader, Research School for Women 1999 – 2003 and 2004 – 2007
Director of undergraduate studies, Dept of Mechanical Engineering 1997 – 2001

Other commitments;

Member of University Board, Luleå University of Technology 2007-2010
Member of the Board for Norrbottens Forskningsråd
(Foundation for R & D financing) 2003-2010
Member of the Board for Teknikens Hus, Luleå (Science center) 2001-10-23 - ongoing
Member of the Board for Ragnhild & Caesar Wibergs foundation 2006-05-19 - ongoing
Member of the Library Board, LTU 1998-01-01 – 2000-12-31
Member of the Board, Dept of Mech. Eng., LTU 1996-07-01 – 1999-06-30

Supervisor activities (Postgraduate students)

Anders Pettersson, *Environmentally adapted lubricants; Properties and performance*, PhD 2006, (Licentiate 2004)

Jan Ukonsaari, *Tribology of journal bearings under environmentally adapted lubrication with shaft oscillation*, PhD 2004, (Licentiate 2001)

M R Mofidi, *Tribology of Elastomeric Seal Materials*, PhD April 2009 (co-supervisor)

Jens Hardell, *Tribology of hot forming tool and high strength steels*, PhD Dec 2009 (co-supervisor)

I have supervised two students for Licentiate degree

Jens Rieglert, *Lubricating performance of environmentally adapted hydraulic fluids*, Licentiate 1997,

Mona Öqvist, *Numerical simulations of wear*, Licentiate 2000

Pedagogical merits and experiences;

Teaching in basic courses in machine elements, mechanisms, solid mechanics, fluid mechanics etc. Teaching in advanced courses in machine elements including journal bearings, gears, hydraulics etc. Teaching in engineering design.

Examiner for at least two undergraduate courses every year. Supervisor for student master thesis work, two/three every year.

Project leader for the "Baldos" project - a university project aiming for participation in Shell Eco Marathon Challenge. LTU has participated in the competition for European universities in 2008 and 2009, and the first year we participated we won four excellent awards, among them the vehicle with less CO₂ emissions, 6.15 g/km.

Before I became the Head of Department I was teaching approx 30 % yearly.

Grading committee

I'm frequently appointed as a member of the grading committee at dissertations;

Kenneth Duvefelt, KTH, 2016, *Adhesion and Friction - a Study on Tactility*

Johan Wenggren, LTU, 2016, *Team activities in concept development: Addressing open-ended problems*

Peter Forsberg, UU, 2013, *Combustion Valve Wear*

Iman Arasteh Khouy, LTU, 2013, *Cost-effective Maintenance of Railway Track Geometry*

Jutta Schade, LTU, 2013, *A Design Process Perspective on the performance of Buildings*

Eynas Amer Mohammad, LTU, 2009, *Pulsed Laser Ablation studied using Digital Holography*

Tobias Larsson, LTU, 2009, *Fatigue assessment of riveted bridges*

Göran Toth, Chalmers, 2006, *Torque and Angle Controlled Tightening of Bolted Joints*

Fredrik Svahn, UU, (2004), Annette Andersson, LTH, (2002), Filip Bergman, UU, (1999),

Ingvar Troedsson, LTH, (1999), Patrik Hollman, UU, (1997), Håkan Lindgren, CTH, (1990)

Courses etc.

Leadership-programme at Luleå University of Technology 2002/03

Supervision in postgraduate studies 1999/00

Women leadership 1998/99

Workshop on creativity in Engineering education, Stanford Univ.US July 1995

Pedagogy in university courses March 1996

Financing

Vinnova 2008 – 2012, EPEALs – Extreme Pressure additives for Environmentally Adapted Lubricants, projectleader and researcher, Winnmer project, cooperation with Statoil Lubricants.

Vinnova 2006 - 2007, ReRail, project leader and researcher in the project concerning Tribology performance of a new concept for rails in cooperation with ReRail AB.

Publications

1 book published 2014, 16 Peer-reviewed articles, 22 Peer reviewed conference articles