



Professor, Dr. Lennart Elfgren **Curriculum Vitae 2016**

Division of Structural Engineering,
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Born in Göteborg, Sweden, 1942.

Married, one son born 1977.

1. Doctoral Degree

1971 Tekn. Dr. in Concrete Structures, Chalmers University of Technology, Göteborg. Thesis:
"Reinforced concrete beams loaded in combined torsion, bending and shear. A study of the ultimate
load-carrying capacity." Supervisors: Prof. Anders Losberg and Assoc. Prof. Krister Cederwall.

2. Postdoctoral Work

1972 - 73, Post-doctoral Research Engineer, University of California at Berkeley, CA, USA

3. Qualification as Associate Professor

1972 Docent - Concrete Structures, Chalmers University of Technology.

4. Current Positions

1984 - Professor of Structural Engineering, Luleå University of Technology, LTU. Emeritus 2009..

2000 - Member of the Board of Luleå Railway Research Centre (Järnvägstekniskt Centrum vid
LTU, JVTC). Vice chairman 2006-2011.

2015 - Chair Scientific Committee, IABSE Congress Stockholm 2016, Sept 21-23.

2015 - Expert Analyses for Trafikverket (the Swedish Transport Administration)

2015 - Partner in the EC Project Innovative Intelligent Rail, In2Rail, 53 partners, 18M€.

5. Previous Positions

1966 - 71 Research Assistant, Div. of Concrete Structures, Chalmers Univ. of Technology,

1973 - 80 Assoc. Prof. of Structural Engineering, Luleå University of Technology.

1981 - 83 Design Engineer, AB Jacobson & Widmark, Göteborg, (Now merged with WSP)

1983 Research Engineer, SP, Sw. National Testing and Research Institute, Borås

1990 - 97 Dean, Faculty of Engineering, LTU.

1992 - 98 Board Member, Research Council of Norrbotten, Luleå.

1996 - 99 Chairman, COLDTECH, Center for Cold Climate Technology, LTU

1997 - 03 Head of the Department of Civil and Mining Engineering, LTU.

1997 - 03 Director, CHPC, Centre for High Performance Cements, LTU

1998 - 08 Board Member, Maud and Samme Lindmark Family Foundation, Skellefteå

2003 - 08 Scientific Leader of the EC Integrated Project: "Sustainable Bridges" with 32 partners,
12 countries, 10 M€, see www.sustainablebridges.net

2004 -10 Deputy Head of the Dept of Civil, Mining and Environmental Engineering, LTU

2004 -15 Chairman, Centre for Risk and Safety, CRR, at LTU in Boden

2007 Guest Prof, Central South Univ. of Forestry and Technology, Changsha, P.R. China.

2008 -11 Chairman, Nordic Safety and Security, NSS, a 60 MSEK European Regional Project with
Umeå Univ., Västerbotten County Council, VLL, and the Sw. Defense Research Agency, FOI.

2011 - 14 Scientific and Technical Coordinator of the EC Research Project "Mainline" on railway Infrastructure, 19 partners, 10 countries, 5 M€, see www.mainline-project.eu/
2013 - 14 Member Sw. Group for Assessing University Education in Civil and Building Engineering.

6. Compulsory Military Service

1965-66 Royal Swedish Engineers, Ing 2, Eksjö, Sergeant

7. Distinctions

1972 Swedish-America Foundation Fellowship for studies in the United States
1974 Member, Sw. Concrete Federation. Fellow '03, Gold Medal '04.
1991 Founding Fellow of the Bothnian Academy, Umeå, Sweden. Chairman 1998.
1996 Fellow of the Royal Skyttean Society, Umeå, Sweden
1996 Björn Wahlström Award at the 25th Anniversary of LTU
2001 Fellow of the Royal Swedish Academy of Engineering Sciences, IVA, Stockholm. Vice Chairman, Division III, Building and Construction 2003-2004
2006 Fellow of the American Concrete Institute ACI. Member since 1967

8. Ph. D. Main Supervisor (Graduation year in parenthesis)

Lennart Fransson, 1988; Mats Emborg, 1989; Lars Stehn, 1993; Björn Täljsten 1994; Jan-Erik Jonasson, 1994; Ulf Ohlsson, 1995; Keivan Noghabai, 1998; Gustaf Westman, 1999; Henrik Gabrielsson, 1999; Patrik Groth, 2000; Erik Nordström, 2005; Håkan Thun, 2006; Arto Puurula, 2012. Currently main supervisor for 2 PhD Students.

9. Ph. D. Associate Supervisor (Graduation year in parenthesis)

Kent Gylltoft, 1983; Hans Hedlund, 2000; Anders Carolin, 2003; Martin Nilsson, 2003; Mårten Larsson, 2003; Jonas Carlswärd, 2006; Arvid Hejll, 2007; Sofia Utsi, 2008; Tobias Larsson, 2009; Thomas Blanksvärd, 2009; Anders Bennitz, 2011; Gabriel Sas, 2011; Stig Bernander, 2011.

10. Experience of Communicating Results to Stakeholders

Participation in the following committees, where communicating results is very important:

1974 - Sw. Concrete Federation., Research Committee 84-05, Auditor since 1997
1986 - 91, Chairman, RILEM TC 90 - FMA "Fracture Mechanics of Concrete – Applications"
1987 - *fib* (fédération internationale du béton, CEB-FIP) Member Task Group on "Fastenings to Reinforced Concrete and Masonry Structures"
1990 - Member of three Committees of the American Concrete Institute: 355 "Anchorage to Concrete"; 445 "Shear and Torsion", ACI-ASCE; 446 "Fracture Mechanics".
1991 - 93 Convenor, CEN EC 2 - Part 1A1. Eurocode 2: Concrete Structures - Unreinforced and lightly reinforced structures
1992 - 99 Chairman, RILEM TC 147 - FMB "Fracture Mechanics to Anchorage and Bond"
1997 - 01 Member of the Executive Committee of "MiMi -Mitigation of the environmental impact from mining waste" - founded by MISTRA, the Swedish Foundation for Strategic Environmental Research
1998 - 00 Member of the Program Committee for Building and Production Technology of BFR, the Swedish Council for Building Research.
2003 - 07 Member of the Committee for Research, Development and Demonstration of Banverket (The Swedish Rail Administration)
2004 - Partner of the Swedish Universities of the Built Environment. Member of the Steering Committee, 2004-09. Member Structural Engineering Group 2004-

11. Publications

Since 1967 more than 240 publications primarily regarding design and assessment of concrete structures, see <http://www.ltu.se/staff/e/elfgren>