

CURRICULUM VITAE

Kent Gylltoft

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Introduction

Kent Gylltoft, Ph.D., professor of Concrete Structures at Chalmers University of Technology, Göteborg, Sweden.

Key qualifications

More than 40 years' experience within the field of structural engineering. Between 1969-1975 design of concrete structures and head of design within the pre-cast industry. Between 1975-1985, research, teaching and laboratory leadership in structural engineering at the Luleå University of Technology. Between 1985-1995, head of the Building Structures Section at the Swedish National Testing and Research Institute and also adjunct professor of Fracture mechanics of concrete structures at Chalmers University of Technology. Between 1995-2012 professor and head of Concrete Structures at Chalmers University of Technology. In addition between 1995-2000 head of the activities on the Swedish market for the Norwegian consultant company Offshore Design A.S. Between 1998-2002, also head of the Department of Structural Engineering at Chalmers and also vice-dean of the School of Civil Engineering at Chalmers and during 2002 also pro-dean of the School of Civil Engineering at Chalmers. Between 2003-2004 head of the Department of Structural Engineering and Mechanics at Chalmers and between 2005-2012 head of the Department of Structural Engineering at Chalmers. From 2013 professor of Concrete Structures at Chalmers (part time). Has been active in a number of national and international committees in the field of structural engineering. Has been responsible for numerous research projects dealing with mechanical behaviour and modelling of concrete structures. Have special interest and expertise in non-linear fracture mechanics, FE-analyses, fatigue and also experiments in the laboratory.

Education and Academic degrees

Master of Science Engineering in Civil Engineering at Lund University of Technology, 1969

Doctor of Technology in Structural Engineering, (Ph.D.), at Luleå Univ. of Technology, 1983-05-31

Associate professor (docent) of Concrete Structures at Chalmers University of Technology, 1984

Work positions

1969-75 Design engineer and chief of design of precast concrete structures at A-Betong AB.

1975-83 Principal research engineer in Structural Engineering at Luleå University of Technology.

1983-85 University lecturer of Structural Engineering at Luleå University of Technology.

1985-95 Head of Building Structures Section at the Swedish National Testing and Research Institute.

1986-95 Adjunct professor of Concrete Structures at Chalmers.

1995-2012 Professor and head of Concrete Structures at Chalmers.

1995-2000 Manager (part time) Swedish Department of Offshore Design A.S., Oslo.

1998-2002 Head of the Department of Structural Engineering at Chalmers.

1998-2002 Vice-dean of the School of Civil Engineering at Chalmers.

During 2002 Pro-dean of the School of Civil Engineering at Chalmers.

2003-2004 Head of the Department of Structural Engineering and Mechanics at Chalmers University of Technology. Also member of the management group of the School of Civil Engineering at Chalmers University of Technology.

2005-2012 Head of Structural Engineering within the Department of Civil and Environmental Engineering. (After a reorganization again, School becomes Department, etc.). Also member of the management group of the Department of Civil and Environmental Engineering at Chalmers.

2013- Professor of Concrete Structures at Chalmers (part time).

Academic services

Opponent at 8 Ph.D. dissertations and 5 Tech.Lic. dissertations in Sweden and Norway. Member of examination committees for Ph.D. at about 50 occasions. Chairman at about 20 Ph.D.-dissertations at Chalmers.

Expert opinions for appointments at various universities to research assistant at 3 occasions, to senior lecturer at 5 occasions, to assistant professor (docent) at 6 occasions, to adjunct professor at 4 occasions and to professor at 11 occasions.

Teaching

Master of Science theses:

Main supervisor for a large number of students, about 5-10 every year.

Licentiate of engineering theses:

Main supervisor and examiner at Chalmers for Mario Plos 1993, Magnus Åkesson 1993, Christina Claeson 1995, Morgan Johansson 1996, Rikard Gustavson 2000, Mathias Johansson 2000, Gunnar Holmberg 2001, Peter Harryson 2002, Ingemar Löfgren 2002, Joosef Leppänen 2002, Peter Grassl 2002, Per-Ola Svahn 2003, Rasmus Rempling 2006, Anette Jansson 2008, Ulrika Nyström 2008 and Hendrik Schlune 2009. Examiner for Helén Broo 2005, for Kamyab Zandi Hanjari 2008, for Filip Nilenius 2011 and Assistant supervisor and examiner for David Fall 2011.

Ph. D. theses:

Main supervisor at Chalmers for Mario Plos 1995, Magnus Åkesson 1996, Christina Claeson 1998, Karin Lundgren 1999, Morgan Johansson 2000, Rikard Gustavson (numera Bolmsvik) 2002, Mathias Johansson (numera Flansbjer) 2002, Peter Grassl 2004, Joosef Leppänen 2004, Per-Ola Svahn 2005, Ingemar Löfgren 2005, Peter Harryson 2008, Rasmus Rempling 2009, Anette Jansson 2011, Hendrik Schlune 2011 and Ulrika Nyström 2012. Assistant supervisor and examiner for Jonas Magnusson 2000, examiner for Helén Broo 2008 and for Kamyab Zandi Hanjari 2010.

Other commitments (since 2000)

Member between 1991- ~2005 of the Permanent Committee of IABSE. Member of IABSE WC3 "Concrete Structures" between 1995-2003.

Head of the Swedish Delegation of fib (fédération internationale du béton) 1998-2002, from 2003 deputy member. Member since 1983 in FIP Commission on Prefabrication, later fib Commission on Prefabrication.

Earlier also active in a number of national groups BST TK 84 Eurocodes and several of the working groups concerning the Swedish implementation of the new Eurocodes in the field of structural engineering. Earlier also active in "Boverkets konstruktionsråd" and in a large number of standardisation committees etc.

Representative of the School of Civil Engineering at Chalmers for SIS (Swedish Standards Institute) between 2000-2012, for BIC (Swedish Construction Sector Innovation Centre) between 2001-2010 and for IQ Samhällsbyggnad (the Swedish Centre for Innovation and Quality in the Built Environment) between 2010-2012.

Member of the Board of the Swedish Group for CIR, (CIB/IABSE/RILEM) between 2004-2007 and Chalmers representative in CIR between 2004-2012.

Member of fib Task Group 8.7 "Code-type models for concrete behavior" between 2009-2010.

Chairman of the Board and initiator of Structural Engineering Centre (Konstruktionscentrum), Chalmers between 2005-2012.

Team leader for Structural Engineering within the Swedish University of Building Engineering Sciences (SBU) between 2009-2011.

Member of the board for "Brosamverkan Väst" (since 2013 "Brosamverkan") since ~2000 and vice chairman since 2007.

International research projects, networks and society relations

I have always had very good contact and relations with the surrounding society. When BFR (Building Research Board) existed, Concrete Structures was very well accepted, and we got research funds for a number of projects. We have also always people from the industry as member of reference groups for our research projects and we have a strong research network in almost every research project we have conducted. I have leaded a research project "Load carrying capacity of existing bridges – advanced assessment" for the Swedish National Road Administration involving Chalmers, Luleå Technical University and Technical University of Lund. I also lead a subgroup for Concrete bridges within WP6 in the EU-project "Sustainable Bridges". I have a close cooperation with the Swedish Rescue Service who has financed 5 of our doctoral students. I was also chairmen of a board for a donation to Chalmers from Thomas Concrete Group / Färdig Betong, financing 4 doctoral students. From Färdig Betong we have had 2 doctoral students and 2 adjunct professors. From the Swedish Road Administration we have had one doctoral student. I have also close cooperation with both Skanska and NCC, who also have financed doctoral students and from Skanska we also have had one adjunct professor.