

Curriculum Vitae: Stig Larsson

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Personal data

Born July 11, 1952, in Värnamo, Sweden; Swedish citizen.
Married since 1976, three children born in 1977, 1980 and 1982.

Address

Department of Mathematical Sciences
Chalmers University of Technology
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Professional preparation

MSc in Engineering Physics (“civilingenjör F”), Chalmers University of Technology, 1976.
PhD in Mathematics, Chalmers University of Technology, 1985.
Thesis: “On reaction-diffusion equations and their approximation by finite element methods”, supervisor: V. Thomée.

Professional experience

Chalmers University of Technology:

- Assistant of mechanics, 1974–1979
- Assistant of mathematics, 1979–1985

University of Michigan, Ann Arbor:

- Assistant professor of mathematics, 1985–1987

Chalmers University of Technology:

- Lecturer of mathematics, 1987–1992
- Associate professor (“docent”) of mathematics, 1992–2005
- Professor of applied mathematics, 2005–

Awards

Chalmers University’s award for teaching 1991 and 2008
Chalmers Mechanical Engineering student’s award for teaching 2008

Fellowships and research grants

Scholarship for graduate study from the Swedish Institute for Applied Mathematics (ITM), 1982–1985.

Half salary paid by a research grant from the Swedish National Board for Technical Development (STUF), 1988–1992.

Half salary paid by research grants from the Swedish Research Council for Engineering Sciences (TFR), 1992–1998.

INTAS, 1997–2000, “Perturbations of invariant sets in infinite dimensional dynamical systems”.

TFR, 1998–1999, “Finite element methods for parabolic problems in science and engineering”.

TFR, 2000–2001, “Finite element methods for parabolic problems in science and engineering”.

TFR, 2000–2001, “Numerical modelling of viscoelastic materials using integro-differential equations” (co-applicant: Mikael Enelund, Department of Solid Mechanics, Chalmers).

Swedish Research Council (VR), 2003, “Numerical modelling of viscoelastic materials using integro-differential equations” (co-applicant: Mikael Enelund, Department of Solid Mechanics, Chalmers).

Imego AB, 2001–2002, “Mixing of microflows”.

Autoliv Development AB, 2004–2006, “Numerical folding of 3-dimensional passenger airbag”.

Swedish Foundation for Strategic Research, 2006–2010, “Gothenburg Mathematical Modelling Centre (GMMC)”, (co-applicant).

Swedish Research Council (VR), 2007–2009, “Numerical methods for stochastic partial differential equations”.

Swedish Research Council (VR), 2010–2012, “Numerical methods for stochastic partial differential equations”.

NordForsk, 2015–2018, “Automated uncertainty quantification for numerical solutions of partial differential equations” (co-applicant).

Swedish Foundation for Strategic Research, 2016–2021, “Mathematics for electron beam melting—3D printing in metal”. (Funding for industrial PhD student.)

Swedish Research Council (VR), 2018–2022, “Non-local deterministic and stochastic differential equations: analysis and numerics” (co-applicant).

Research students

Mats Boman, PhD Applied Mathematics, 2000.

Johan Ivarsson, PhD Applied Mathematics, 2002.

Yubin Yan, PhD Applied Mathematics, 2003.

Klas Adolfsson, PhD Applied Mechanics, 2004 (assisting supervisor).

Erik Svensson, PhD Applied Mathematics, 2006.

Christoffer Cromvik, Licentiate, 2007.

Fardin Saedpanah, PhD Applied Mathematics, 2009.

Ali Mesforush, PhD Applied Mathematics, 2010.

Karin Kraft, PhD Computational Mathematics, 2011.

Fredrik Lindgren, PhD Applied Mathematics, 2013.

Adam Andersson, PhD Mathematics, 2015.

Elin Solberg, Licentiate Advanced Engineering Mathematics, 2015.

Cornelia Jareteg, Licentiate Advanced Engineering Mathematics, 2015.

Matteo Molteni, PhD Applied Mathematics, 2016.

Rikard Anton, PhD Applied Mathematics, Umeå University, 2018 (assisting supervisor).

Kristin Kirchner, PhD Mathematics, 2018.

Current graduate students: N. Ericsson, R. Forslund, and B. Hakberg.

Postdoctoral students

Milena Racheva, Bulgaria, 2004–2005.

Ezekiel Ayoola, Nigeria, 2004–2005.

Mihály Kovács, New Zealand/Hungary, 2006–2008.

Alice Kozakevicius, Brazil, 2011–2012.

Administration

Chairman of the board of “Chalmers Center for Computational Science and Engineering (C3SE)” 2012–2017.

Head of the Division of Computational Mathematics 2002–2004.

Project leader for the pedagogical project “Integration of Mathematics, Chemistry and Chemical Engineering” within the Chalmers Strategic Effort on Learning and Teaching C-SELT 2001–2003.

Member of the TFR selection committee for applied mathematics 1999–2000.

Coordinator of the educational program “Engineering Mathematics” 1992–1997, chairman of its steering committee 1997–2003.

Organizer of “The Third China-Sweden Workshop on Computational Mathematics” in Gothenburg, 2002.

Organizer of “The Fifth China-Norway-Sweden Workshop on Computational Mathematics” in Lund, 2006.

Organizer of “The Seventh China-Norway-Sweden Workshop on Computational Mathematics” in Bergen, 2008.

Member of the organization committee of the “European Finite Element Fair”, 2004–2018.

Member of the organization committee of “Stochastic Partial Differential Equations: Modelling, Analysis, and Numerics” Darmstadt, Germany, August 24–28, 2009.

Organizer of the workshop “Modeling and Simulation of Paper Structures” in Gothenburg, 2010.

Organizer of the workshop “Advances in Numerical Methods for SPDEs”, Institut Mittag-Leffler, June 16–18, 2015.

Organizer of the workshop “Uncertainty Quantification”, Institut Mittag-Leffler, May 9–13, 2016.

Organizer of the conference “NASPDE 2016”, Gothenburg, September 6–7, 2016.

Deputy head of the division “Applied Mathematics and Statistics” in the Department of Mathematical Sciences, 2016–2019.

Editorial service

Journal of Uncertainty Quantification, 2012–2017

Mathematics of Computation, 2013–2017