

# Per J. Runeson

## Curriculum Vitae

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### Education and Qualifications

1991	Master of Science in Computer Science and Engineering	Lund University
1998	Ph.D. in Comm. Systems/Software Engineering (Prof. Claes Wohlin)	Lund University

### Appointments

2004–	Professor of Software Engineering, Lund University, Dept. of Computer Science
2014–2019	Head of Department for Computer Science, Lund University
2008–2018	Director for the Industrial Excellence Center for Embedded Applications Software Engineering (EASE)
2011–2012	Guest professor at North Carolina State University (Prof. Laurie Williams)
2009–2010	Senior researcher, Sony Ericsson Mobile Communications, part time
2005–2011	Professor, Special Researcher, Swedish Research Council
2002–2003	Fulbright Research Scholar, Washington State University (Prof. Anneliese Andrews)
1998–2004	Assistant Professor, Lund University, Dept. of Communication Systems
1991–1997	Consulting expert in Software Engineering, Q-Labs AB, Lund

### Publications

Publications according to separate list of publication, which comprises six books, 50+ journal papers, eight book chapters, 70+ refereed conference publications and 40+ publications at workshops etc.

**ISI citation** h-index 22, 102 publications, 2 645 citations, average citation per item 25.93.

**Scopus** h-index 29, 141 publications, 5700+ citations.

**Google Scholar** h-index 43 (nr 3 in SE in Sweden, nr 5 ESE globally), 17 600+

### Leadership

- ▶ Head of department at Computer Science, Lund University, 2014–2019
- ▶ Research director of the Industrial Excellence Center Embedded Applications Software Engineering (EASE) at Lund University and Blekinge Institute of Technology, 2008–2018
- ▶ Academic leader for the Software Engineering Research Group at Lund University, currently comprising three senior and three junior faculty, and four Ph.D. students, 2001–present
- ▶ Deputy head of department at Communication Systems, Lund University, 2001–2006
- ▶ Responsible for developing the Bachelors Programme in Software Engineering at Lund University campus in Helsingborg 1997–1998 and Education Programme Leader, 1998–2001

### Professional activities

- ▶ Chairmanships: Program Chair IEEE ECBS, 2002. General Chair SERPS, 2003, ESEM, 2012. Chair for Technical Committee SERPS, 2003–2004. Program co-chair EuroSPI, 2006. Program vice chair IEEE ISSRE, 2007. Industry track co-chair IEEE ICST, 2008. Program co-chair IEEE ICST, 2009.
- ▶ Member of editorial and program board: Empirical Software Engineering (Springer verlag), 2004–present. Software Testing Verification and Reliability (Wiley Interscience), 2009–present. Steering committee of IEEE ICST, 2009–2012. Advances in Software Engineering (Hindawi open publisher), 2008–2010. ICSE 2014 and 2016.
- ▶ Opponent at seven Ph. D. defenses in Norway, Finland and Denmark.
- ▶ Member of 19 Ph.D. committees in Sweden, Finland, the Netherlands and Belgium.
- ▶ Research funding reviews for VINNOVA, EURYI, STINT, NWO, PEARL.

## Grants

Years	Funder	Title	Amount
2019-2023	WASP <sup>1</sup>	<i>Autonomous software regression testing</i>	4.000 kSEK
2019-2023	WASP	<i>Continuous system testing using autonomous monitors with Dr. Magnus C. Ohlsson, SystemVerification</i>	4.000 kSEK
2018-2019	VINNOVA	<i>Open data collaboration as innovation platform for machine learning with Thomas Olsson, RISE</i>	500 kSEK
2016-2021	WASP	<i>Software Engineering for Smart Systems with Prof. Jan Bosch, Chalmers</i>	4.000 kSEK
2013-2014	The Pufendorf Inst. at LU	<i>DigiTrust – Privacy, Identity and Legitimacy in the Digital Society with Dr. Stefan Larsson</i>	1.500 kSEK
2013-2016	Swedish Research Council	<i>SYNERGIES – Synthesis of a Software Engineering Framework for Open Innovation</i>	8.000 kSEK
2009-2014	SSF	<i>ENGROSS – Enabling Growing Software Systems with prof. Boris Magnusson</i>	5.000 kSEK
2009-2010	SSF	<i>Strategic mobility into industry</i>	842 kSEK
2008- 2018	VINNOVA and industry	<i>EASE Industrial Excellence Center for Embedded Applications Software Engineering</i>	105.000 kSEK (70.000 in cash)
2006-2009	VINNOVA	<i>UPPREPA, Scale-up of Prioritized Regression Testing in Product Line Architectures</i>	2.916 kSEK
2005-2010	Swedish Research Council	<i>Special researcher position in Software Engineering</i>	6.300 kSEK
2004-2009	Swedish Emergency Management Agency	<i>FRIVA – Framework for Risk and Vulnerability Analysis within LUCRAM – Lund University Center for Risk Analysis and Management</i>	5.064 kSEK

## PhD supervision and Postdocs

### Past main advisor of ten Ph.D. students

2013-2018	Dr. Hussan Munir, Tech. Lic. 2015, Ph.D. 2018, <i>An Empirically Based Theory for Open Software Engineering Tools</i> , (now at Lund university, Innovation engineering)
2010-2015	Dr. Markus Borg, Tech. Lic. 2012, Ph.D. 2015, <i>From Bugs to Decision Support – Leveraging Historical Issue Reports in Software Evolution</i> (now at RISE SICS)
2010-2013	Lic. Eng. Jesper Pederson-Notander, Tech. Lic. 2013, <i>Understanding Flexibility in Safety-Critical Software Systems Development</i> (now at Lund University)
2006-2013	Dr. Emelie Engström, <i>Supporting Decisions on Regression test Scoping in a Software Product Line Context – from Evidence to Practice</i> (now at Lund University)
2005-2011	Dr. Kim Weyns, (main advisor 2005-2008) Tech. Lic., 2008, Ph.D. 2011, <i>IT Dependability Management in Governmental Organisations</i> (now at Lund University)
2003-2006	Dr. Mats Skoglund, Stockholm University, Tech. Lic. 2003, Ph.D. 2006, <i>Curbing Dependencies in Software Evolution of Object-Oriented Systems</i> (now at Libyran, founder)
2001-2006	Dr. Carina Andersson, Tech. Lic. 2003, Ph.D. 2006, <i>Managing Software Quality through Empirical Analysis of Fault Detection</i> (now at Trafikverket)
2000-2004	Dr. Daniel Karlström, Tech. Lic. 2002, Ph.D. 2004, <i>Integrating Management and Engineering Processes in Software Product Development</i> (now at Goldengekko, co-founder)
1997-2003	Dr. Tomas Berling, Tech. Lic. 2000, Ph.D. 2003, <i>Improving Product Quality through Effective Validation Methods</i> (now at SAAB Microwave Systems)
2000-2002	Thomas Olsson, Tech. Lic. 2002, <i>Software Information Management in Requirements and Test Documentation</i> (now at Sony Mobile)

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<sup>1</sup>Wallenberg Autonomous Systems and Software project

Past co-supervisor for 13 PhDs.

#### Current main advisor of four Ph.D. students

- 2020– Qunying Song, *Software testing of autonomous systems*, WASP PhD student
- 2019– Adha Hrusto, *Continuous system testing using autonomous monitors*, WASP Industrial PhD student
- 2016– Daniel Helgesson, *Cognitive load drivers in software engineering*
- 2016– Rasmus Ros, *Continuous experimentation*, WASP PhD student

#### Host for post-docs

- 2019– Dr. Johan LinÅker (Lund University)
- 2013–2018 Dr. Emelie Engström (Lund University)
- 2012–2015 Dr. Krzysztof Wnuk (Lund University)
- 2011–2012 Dr. Mika Mäntylä (Aalto University, Finland)
- 2008–2009 Dr. Giedre Sabaliauskaite (Osaka University, Japan)
- 2006–2008 Dr. Carina Andersson (Lund University)

#### Other international long-stay visitors

- 2016–2018 Prof. Margret-Anne Storey (University of Victoria, Canada) Lise Meitner guest prof
- 2014 Mr. Rafael Maiani de Mello (Federal University of Rio de Janeiro, Brazil)
- 2014 Mr. Konstantinos Manikas (University of Copenhagen, Denmark)
- 2013 Prof. Kari Smolander (Lappeenranta University, Finland)
- 2010 Mr. Jussi Kasurinen (Lappeenranta University, Finland)
- 2010 Dr. Austen Rainer (University of Hartfordshire, UK)
- 2005–2006 Prof. Anneliese Andrews (Denver University, CO, USA)

#### Supervisor for 45+ MSc projects

#### Teaching - selected

- ▶ Course responsible for BSc and MSc student courses
  - Software Engineering Process (new course), 2002, 2004–2007 (1st and 2nd year students)
  - Software Engineering – Soft issues 2008–2011, 2013, 2014 (1st year students)
  - Software Development for Large Systems, 2000–2004 (2nd and 4th year students)
  - Software Quality, 2001 (3rd year students)
  - Software Testing (new course), 2000, 2010, 2011, 2013– (3rd year students)
- ▶ Course responsible for Ph.D. courses,
  - Project Economics, 2001
  - Software Testing, 2002
  - Case Study Methodology, 2007, 2010–11, 2014
  - Product Line Engineering, 2009
- ▶ Course responsible for industry courses,
  - LUCAS Test Academy, 2004–2005

#### Community service

- ▶ Member of Church Council of Östra Torn's congregation, 2002–2011
- ▶ Member of Church Council of Lund's East Town congregation, 2013–
- ▶ Member of the Board of Directors for Norea, 1995–present