



Curriculum vitae, Jerker Delsing

Homepage

- <http://www.ltu.se/staff/j/jerker-1.11583>

Professional preparation and positions I do have the following degrees, training and professional positions:

- Lund University, Engineering physics, M.Sc. 1982,
- Lund University, Electrical measurement, Lic. 1985
- Project management, Alfa Laval 1987,
- Lund University, Electrical measurement, Ph.D. 1988,
- Lund University Heat and Power Engineering, Docent Mech. eng. 1994.
- Group management, M-gruppen 1998,
- Personal leadership, Luleå University of Technology, 2003-2004,
- Project management, Astrakan, 2009

Positions, appointments etc

- Sensor specialist, Alfa Laval/SattControl AB 1985-1988, part time,
- Assistant professor Lund University, Heat and Power Eng., Sweden, 1989-1994
- Associate Professor Lund University, Heat and Power Eng., Sweden, 1994-1995
- Guest Professor Wuhan University of Technology, China, 2006 -2007,
- Chaired Professor Cyber physical Systems Luleå University of Technology, Sweden, 1995 - present

Tutoring experience I have been the supervisor of 53 students achieving the PhD degree. They are: Jacob Stang 1995, Sintef o NTNU, Norway, Torbjörn Löquist 1999, Senior lecturer Luleå University of Technology, Per Lindgren 2000, Professor, Luleå University of Technology, Carl Carlander 2001, Senior specialist D-Flow Technology AB, Jan van Deventer 2001, Associate professor, Luleå University of Technology, Johan Carlsson 2002, Professor, Luleå University of Technology, Jonas Ekman 2003, Professor, Luleå University of Technology, Mikael Kerttu, 2004, Apple Inc, USA, Urban Lundgren 2004, RICE, Borås, Sweden, Jonathan Berrebi 2004, Karoliska Institutet, Sweden, Pär-Erik Martinsson 2004, FindIT, Sandviken, Sweden, Daniel Nordin 2004, BAE System, Örnsköldsvik, Jonny Johansson 2004, Associate professor, Luleå University of Technology, Åke Östmark 2006, Tieto Enator AB, Luleå Sweden, Yassin Jomni 2006, Eletta AB, Stockholm Sweden, Jens Eliasson 2007, Thingwave AB Luleå Kirill Kosmin 2008, Ericson AB, Lund Sweden, Jesper Martinson, 2008, LKAB/LTU Yvonne Automäki 2009, Assistant professor Lulea University of Technology Sweden, Jan Niemi 2009, Damill AB, Luleå Sweden, Gustav Johansson 2009, Nitro Nobel Karlskoga, Sweden, Tore Lindgren 2009, Ericsson Fredrik Häggglund, 2009, TWR, UK Mathias Ehnonyaket 2010, Bombardier Västerås Sweden, Jonas Gustafsson, 2010, Operational manager SICS Luleå Håkan Fredriksson, 2010, PreEye, Luleå, Sweden Johan Borg, 2010, Imperial Collage London Tamas Jantvik, 2011, iPhone app dev, Stockholm, Jimmie Wiklander, 2011, Vovlo CE, Eskilstuna, Sweden P.A. Jonsson, 2011, Prem Jayaraman, 2010, Prof. Swinburne Univ. of Technology, Australia Danesh Darui 2013, Microsoft, Sweden Rumen Kusakov, 2014, Society, Malmö, Sweden Sohrab Safavi, 2014, Volvo, Gothenburg, Sweden Blerim Emruli, 2014, RICE, Västerås, Sweden Thomas Linder, 2014, Tieto, Vidsel, Sweden Abdelghani Renbi, 2014, Ericsson, Stockholm, Sweden Kristoffer Karlsson, 2014, Post doc in Japan, Pablo Punla, Thingwave AB, 2016, Oscar Carlsson, 2016, Midroc Automation, Sweden Sergio Martin del Campo Barraza, 2017, Viking Analytics, Gotheburg, Sweden Hasan Derhamy, 2018, Scania, Södertälje Sweden Siddharth Dadhich, 2018, Scania, Södertälje Sweden Fredrik Häggström, SKF, Luleå, Sweden Andreas Hartman, 20190227, Cristina Paniagua, 2020, LTU, Lulea Sweden Ani Bicaku, 2020, Thales, Vienna, Austria Silia Maksuti, 2021, First bank, Vienna, Austria An Ngoc Lam, 2021, SINTEF, Oslo, Norway Emmanuel Palm 2021, Pinterop, Skövde, Sweden Kim Albertsson, 2021, Luleå Sweden Jacob Nilsson, 2022, Lulea Sweden

Post-docs supervision 1) Youyuan Liu, coming from Wuhan University of Technology, 2005, 2) Fredrik Sandin, coming from University of Liege in Belgium, 2010-2011 and 3) Simon Tompson, coming from Monash University, Melbourne Australia 2011-2012 4) Roghyeh Imani, coming from Uppsala Univeristy Sweden, 2020-onging

Current PhD student supervision I currently actively supervise 8 PhD students.

Lecturing Some example of my lecturing at internationally well renown Universities and conferences 1) Shanghai Jiao Tong University, Shanghai, China 2006 2) Wuhan University of Technology, Wuhan, China, 2006, 2007 3) Dongseu University, Busan, Korea, 2006 4) Monash University, Melbourne, 2000, 2003, 2006, 2011 5) Technical University Berlin, 2007, 6) University Emden Leer, Germany, 2011 7) Invited paper at IEEE Ultrasonic symposium, 2017, France 8) Invited paper at IEEE Sensors, 2019, Montreal, Canada

Publications My publication list is found at Google Scholar: http://scholar.google.se/citations?hl=sv&user=_XLRuYAAAAAJ

In summary I do have at least the following publication in scientifically reviewed journals and conferences: +80 Journal papers, 200 Conference papers, 7 book chapter, 2 books as editor and 8 patents.

Reviewing I'm involved in editing and reviewing for several journals and major conferences. Some examples are: a) Editor in chief: International journal of Flow Measurement and Instrumentation by Elsevier, 2009- 2020.

b) Editorial board, Sensors section Sensor Networks by MDPI since 2018 c) Conference chair FLOMEKO'98 d) Reviewing for Measurement and Instrumentation Science, iop e) Reviewing for Measurement, Elsevier f) Reviewing for Sensors and Actuators, Elsevier g) Reviewing for Energy and buildings, Elsevier h) Reviewing for IEEE Industrial Informatics i) Reviewing for IEEE Proceedings j) Technical committee member, Sensorcomm, 2010, 2011, 2012, 2013, 2015 k) Technical committee member, Flomeko, 2003, 2005, 2008, 2010, 2013 l) Reviewing, IEEE ICIT 2013 m) Reviewing IEEE IECON, 2011, 2012, 2016 n) Reviewing IEEE INDIN 2017 o) Publicity Chair IEEE ICPS-2018 + reviewing p) Industrial Forum chair IEEE ICPS 2022

I'm continuously being appointed as external and international faculty opponent for PhD thesis. I have done such duties in Finland, Norway, UK, Denmark, Austria, Germany, Portugal and Sweden. I'm also continuously appointed as reviewer for funding bodies in different countries e.g. EU-FP6 and FP7, Xecs, EU-Caterine, NSF Norway, VR Sweden, Vinnova Sweden, Qatar NSF, Singapore NSF. I have also made professor appointment peer reviewing in e.g. USA, Australia, Finland and Sweden.

Grants and Network in academia and industry I have be involved in a number o larger research projects related to the process industry which aspects like measurement technology, embedded systems and manufacturing process control system architectures. Below is listed the most recent and important ones:

- Arrowhead Tools, ECSEL-JU, coordinator, 90M€, 80 partners, 2019-2022
- Productive4.0, ECSEL-JU, WP1: production value integration architecture lead, 108M€, 108 partner, 2018- 2021
- Arrowhead, ECSEL-JU, coordinator, 68M€, 78 partners, 2013-2017
- ProcessIT Innovation, Vinnova, originator, 17M€, partnering with LKAB, Boliden, SSAB, SCA, SmurfiKappa, Komatsu, Skellefteå Kraft, etc. 2004-ongoing
- ProcessIT.EU, originator, a Center of Innovation Excellence labeled by the industry association Artemis. Partners from Sweden, Finland, Germany, Austria, UK, Spain, Belgium, ...
- EMC2, ECSEL-JU, partner, 98 partners and 97M€budget, 2015-2018
- FAR-EDGE, H2020, partner, 4M€, 2016-2019

Open source projects I'm currently the project lead of the open source project Eclipse Arrowhead, <http://www.arrowhead.eu> and <http://www.eclipse.org/arrowhead>. Code is located at <http://github.com/eclipse-arrowhead>

Arrowhead was released as open source by the Arrowhead project consortia 2016. Since then a number of larger EU project have supported the further development. Examples of such projects are e.g Arrowhead Tools, Productive4.0, EMC2, Mantis, FAR-EDGE, MIDIH. The Eclipse Arrowhead is currently exploited in a handfull of commercial products and services.

International positions Currently I'm holding some interesting position internationally: a) IN-SIDE industry association, vice president and member of the steering board. b) ProcessIT.EU, member of the steering board c) KDT ECS-SRIA WG, member of the core editing team and responsible for the chapters on Connectivity and System of Systems

Entrepreneurial achievements I am heavily involved in competence transfer from academia to industry. As a result of this more than 20 new products are now commercial in existing companies and more than 10 new companies have been started based on our research at EISLAB. My industrial experience comes mainly from three years at Alfa-Laval Automation/SattControl and as entrepreneur for four spin-off companies from my research: D-Flow Technology AB, LD-Sensor AB, EISTEC AB and D-Con AB.

Awards I have been awarded the following prizes: a) Sydkraft Energy Research Award, 1987 b) Värmeforsk Gas Research Prize, 1993 c) IMAPS, outstanding paper award 2011. d) Nordea bank Scientific prize, 2012