



CURRICULUM VITAE FOR OLA ISAKSSON (NOVEMBER 2017)

Name: Ola Isaksson

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Organisation: Chalmers University of Technology, Department of Industrial and Management Science, Division of Product Development

GENERAL

I have a general interest in means to improve the way we develop products and solutions for societal and industrial challenges, and adopts a systems' view on how needs and expectations can be met by designing and introducing novel technologies into efficient engineering design and development processes and tools. Collaboration in research is central to my approach, both with industries and with other academics, nationally as well as internationally.

RESEARCH PROFILE

Research interest and experience cover broadly methods and tools for engineering design in product development, including Platform Based Development, Value Driven Development. Knowledge Automation, Multidisciplinary engineering, Technology Integration, Systems Engineering, Product-Service Systems and Sustainable Product Development.

His research group consists of 17 researchers and work in close collaboration with automotive and aerospace industry. Research results have been successfully introduced in via engineering methods, commercialized tools and work procedures and is one of four research groups in the [Wingquist laboratory](#) at Chalmers.

General interest to understand and improve engineering design theory and practice driven by advancements in enabling technologies (digitalization, additive manufacturing and more) and to meet industrial and societal needs.

PROFESSIONAL PREPARATION

- Ass. Professor (Docent) in Functional Product Development, 2010, Luleå University of Technology
- PhD in Computer Aided Engineering, 1999, Luleå University of Technology
- MSc in Mechanical Engineering, 1993, Luleå University of Technology

APPOINTMENTS

- 2016-: Chalmers Wingquist laboratory Executive management group member
- 2015-: Research group leader for the Systems Engineering and PLM group
- 2015-: Chair Professor in Systems Engineering and Engineering Design
- 2012-2015: Senior Specialist in Product Development, GKN Aerospace Engine Systems (before Sr Specialist at Volvo Aero)

- 2013-2015: Adjunct Professor in Product and Production Development, Chalmers University of Technology
- 2007-2013: [Adjunct Professor in Functional Product Development](#), Luleå University of Technology

TUTORING EXPERIENCE

- 8 PhD students graduated (1 Main/Examiner and 7 Assistant Advisor)
- 12 LicEng graduated (2 Main/Examiner and 10 Assistant Advisor)
- 5 PhD students in progress (3 as Main Advisor/Examiner and 2 as assistant Advisor)

ENTREPRENEURIAL ACHIEVEMENTS

- Advisory Board Member, Design Society, 2017-ongoing
- Founding member of Product Development Academy in Sweden
- Board Member of SIG PM (Product Models), Svenska Dataföreningen, since 2001
- Patent Holder US6,334,303 “Flameholder device for afterburners in gas turbine engines”, successfully commercialized into several engine types
- Founding member of International Industrial Working Group to Design Society board
- Awarded the Volvo Aero technology prize 2008

EVALUATION EXPERIENCE

- Evaluated lectureship positions at KTH and Örebro universities, Research Program evaluation for Norwegian Research Council and as specialist reviewer for EU project
- Reviewer and member of editorial board and scientific committee for numerous international journals and conferences
- External Examiner and Grading board member for PhD dissertations at CHALMERS, LTU, LIU, MDH, JU in Sweden, at Queens University, Belfast, (UK) and DTU, Copenhagen (Denmark)

OTHER MERITS OF RELEVANCE

- 22 years of Industrial Experience from aerospace and automotive industry (1994-)
- Participated in 5 European projects, led close to 45 national research projects and Member of Management board recently completed 32M€ project (160930) (TOICA)
- Member of Design Society, ASME, Advisory Board Member for “Process Modeling SIG” Design Society, International Liaison –Design Automation Conference, ASME
- Founding member of the [Product Development Academy](#) in Sweden

NUMBER OF PUBLICATIONS

120+ peer reviewed publications at journals, conferences and books.

H-index: 15

Publications from 2015 available at

For complete list see [Google Scholar](#).

INDUSTRIAL IMPACT

20+ years industry position dedicated to improve practices using university based results, e.g. via introducing tools such as RD&T and CCM and Knowledge Based Engineering. Also

Volvo Aero's representative in the VOLVO AB Group (2003-2012) for Product Development Methods.