

Curriculum Vitae for Prof. Ulf Assarsson

1. **Full professor:** March 3rd 2017. **Professor:** 2014. **Docent/assoc. professor:** August 2009, **Post-doc:** 2004–2005, INRIA, Grenoble, France. **PhD:** 2003, Computer Graphics, Dep. of Computer Engineering, Chalmers Univ. of Technology (CTH). **M.Sc:** 1997, Engineering Physics, Chalmers.

Personal Details

Ulf Assarsson, Göteborg, Sweden
<http://www.cse.chalmers.se/~uffe/>

2. **Appointments:**

2017- Full Professor, Head Research Group Graphics, Computer Science and Engineering, CTH.	
2017 – CEO Dimension Stream Labs	
2020: Deform Dynamics Advisory Board	2003–2004: research+teaching. 60%, CTH
2014–2017, Biträdande Professor, CTH.	2003–2004: cofounder, R&D, Illuminate Labs.
2012–2015, CTO, Mindary,	2003: 20%-40%, Ericsson Mobile Platforms,
2009-2014: Associate Professor, CTH.	2001–2003: full-time PhD student, CTH.
2005–2009: Assistant Professor, CTH.	1998–2001: ind. PhD.stud Prosolvía/ABB/CTH
2004–2005: Post Doc, INRIA/ Grenoble, France.	1997–1998: 3D graphics developer, Prosolvía

- 3.
- Interruption in Resesarch (Deductible time):**
- none.

- 4.
- Postdoc supervision:**
- Erik Sintorn, March 2013-March 2015.

Doctoral supervision as main supervisor:

Roc Ramon, 2018 – ongoing	Markus Billeter, '08-'14, graduated.
Sverker Rasmuson, 2015-2020, ongoing	Ola Olsson, 2008-2014, graduated.
Dan Dolonius, 2015-2020, ongoing	Erik Sintorn, 2007-2013, graduated.
Viktor Kämpe, 2011-2016, graduated.	

Other doctoral supervision (co-sv=co-supervisor):

Mads Rönnow, 2018-2021, co-sv.	Yuchong Zhang, 2018-2022, examiner.
Erik Börjesson, 2018, ongoing, examiner	Duy Le Khanh, 2015-2019, examiner.
Christos Profentzas, 2017, ongoing, examiner	Pawel Wozniak, 2012–2013, co-sv.,
Stefano Ribes, 2017, ongoing, examiner	Alexandru Dancu, 2012–2016, co-sv.,
Prajith Geethakumari, 2017, ongoing, examiner	Lukas Ahrenberg, 06–07, grad, guest PhD-stud.
Evangelos Vasilakis, 2017-2020, examiner	Beata Stahre, 2004–2009, graduated, co-sv.
Rodi Jolak, 2015-2020, examiner.	David Roger, 2004–2008, graduated, co-sv.

Other supervision: >120 *master-thesis* stud. (~100 theses) + 134 *bachelor-thesis* stud. (26 theses).

5. **Other relevant information****Research grants**

VR, 2015, Framstående Yngre Forskare, 18MSEK (~€2M), sole applicant.	NVIDIA Fellowship, 2009, \$25.000, for Sintorn. SSF-ICA2, 2007, 3MSEK (~\$500K), sole appl.
VR 2015, ACE, 9MSEK (~€1M), co-appl.	VR-project, 2007, 1.95 MSEK (~\$300K), sole appl.
SSF, 2011, 20MSEK (~€2M), co-applicant.	VR-ind.project, 2006, 1.7 MSEK, main appl.
Vinnova/EraSME6, 2010, 750KSEK. Main appl.	Hans Werhén, 2005, postdoc grant, 120KSEK.

Awards

Venture Cup 2004, 2 nd prize, 100KSEK, w. Illuminate Labs.	Ingvar Carlsson Award II (ICA2), 2007, SSF, 3MSEK, (<i>listed above</i>).
Innovation Cup 2004, 1:st prize, 25KSEK, w. Illuminate Labs.	

Editorial board member of following journals (since year):

JCGT (The journal of Computer Graphics Techniques), 2012– 2017.	Journal of IT in Asia (JITA), 2007–2009
Journal of Graphics Tools, 2011–2013	

Other committees

I3D 2021, General co-chair	I3D2022 Paper co-chair
I3D 2017 - 2020, IPC member	
Eurographics 2020, Papers co-chair	Eurographics 2019, Advisory board member
Eurographics 2010 (Tutorial Chair)	Eurographics 2010 (Programme Committee)
High Performance Graphics 2016, papers cochair	HPG 2017 - 2021, IPC member
EGPGV 2020, best-paper committee	EGPGV 2016, 2018 – 2021, IPC member
SEAA 2018, IPC member.	WSCG 2011, 2018, 2021 board of reviewers

SIGRAD 2005, 2014-2017 Program Committee	SIGRAD 2009 (conference committee)
SCIA2009 (Programme Committee)	
ACM SIGGRAPH 2008 (Late-Breaking/Posters program committee)	ACM SIGGRAPH 2008 (Student-Research Competition Committee)

PhD-defence Opponent for:

2020, Matias Koskela (prof: Jarmo Takala), Tampere University, Finland.	2016, Per Ganestam (Prof Michael Doggett), Lund University, Sweden.
2018, <i>Lic seminar</i> : Elijs Dima (prof. Mårten Sjöström), Mittuniversitetet, Sweden.	2014, Ville Timonen (prof. Jan Westerlund), Åbo University, Finland.

Grading committee member for PhD-defences

2019, Leonardo Scandolo (prof. Elmar Eisemann)	2011, Daniel Cederman, (prof. Philippas Tsigas)
2018, C. Allen Waddle (prof. George Tzanetakis)	2010, Andreas Söderström (prof. Ken Museth)
2018, Gabriel Eilertsen (Jonas Unger)	2009, Ola Nilsson, (prof. Ken Museth)
2016, Daniel Jönsson (prof. Anders Ynnerman)	2009, Jon Hasselgren, (prof. T. Akenine-Möller)
2016, Kai Selgrad (prof. M. Stamminger)	2008, David Roger, (prof. Nicholas Holzschuch)
2015, J. Kronander (prof. Anders Ynnerman)	2008, Calle Lejdfors (prof. Lennart Ohlsson)
2015, S. Muddala (prof. Mårten Sjöström)	2006, Johan Jansson (prof. Claes Johnson)
2013, Joel Svensson (prof. Mary Sheeran)	2006, Patric Ljung, (prof. Anders Ynnerman)

Preexamination of PhD theses: Janne Kontkanen (2006), Ville Timonen (2014), Kai Selgrad (2016).

Evaluator of grant proposals or research positions (sakkunnig)

Austrian Science Fund	Swiss National Science Foundation
CSM, Colorado, USA	Norrköping Vis. Ctr.
Linköping Univ	Blekinge Tekniska Högskola

Conference Session Chair: 2010. Eurographics, session *Rendering 1*.

Conference Panels: 2009. *The Future of Graphics APIs*, ACM SIGGRAPH-*Beyond Prog. Shading*.

Co-author of conference courses:

2018, Eurographics, <i>Voxel DAGs</i> .	2010, Eurographics, <i>Casting shadows in Real-Time</i>
2013, ACM SIGGRAPH, <i>Real-Time Shadows</i>	2009, SiggraphAsia, <i>Cast. shad. in Real-Time</i>
2012, ACM SIGGRAPH, <i>Real-Time Shadows</i>	2009. ACM SIGGRAPH, <i>Beyond Progr. Shading</i>

Co-founder of startup companies:

- Dimension Stream Labs (2018 – ongoing). 6 persons.
- Deform Dynamics, 2017 – ongoing. Tree full-time employees. 7 persons.
- Illuminate Labs – (2002 – 2004). ~10 employees. Sold to Autodesk 2010.
- Mindary AB – (2012 – 2015). 8–15 persons. Sold. <http://www.cse.chalmers.se/~uffe/mindary/mindary.html>
- Gothenburg Game Studios.

TV interview: TV4 News, “*Vetenskap*” program 4. 2012. Six minutes television program as part of a popular-science TV series, broadcast by TV4 News. Also available online, here:

http://www.youtube.com/watch?v=P6As-skbX7g&feature=player_embedded

Newspapers and magazines: Ny Teknik (twice), Dagens Industri, Mac World, Game Developer, Game Front, The Register, VerkstadsForum, Tofsen, and Borås Tidning.

Google Scholar: <https://scholar.google.se/citations?user=zf186n8AAAAJ&hl=sv&oi=ao>

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For a complete CV, contact me. /Ulf