

## Matthias Tidlund

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### PROFILE

*Ambitious student with knowledge in vehicle, steel and paper industry area, with a huge interest for technology and accustomed to lead a group, work in groups as well as individually through my education; leadership at advanced university level was carried out with the highest grade as final grade and I have been working as a study coach both at high school and university level.*

*My dream work place would give me the opportunity to develop and optimize innovative solutions as well as let me evolve my leadership capability.*

### EDUCATION

- **Master of science in design and product realization, a technical machine program, at the Royal Institute of Technology**
  - **2013:** Masterthesis at Volvo Cars in Gothenburg:  
*"Optimal Steering Control Input Generation for Vehicle's Entry speed Maximization in a Double-Lane Change Maneuver"*
  - **2011:** Bachelor thesis within integrated product development:  
*"Market's influence at companies innovation processes – Innovation within an environmental perspective"*
- **2004-2007** Cutting edge technical high school: Göranssonska School
  - Finished a distance test from University of Cambridge in the subject "Young Enterprise"
- **2007-2008** Military service
  - Marine pluton commander for signal system at HMS Djärv, rank Sergeant.
- **Driver license**
  - A, B, level T2 licens for Hällered testtrack, truck A and overhead crane
- **Language**
  - Swedish (*fluent, native*)
  - English (*fluent*)
  - Deutch (*Reading/Writing level: good, Oral level: Basic*)

### PUBLICATIONS

- M. Tidlund, S. Angelis, M. Lidberg, D. Katzourakis, *"Optimal Steering Control Input Generation for Vehicle's Entry speed Maximization in a Double-Lane Change Maneuver"*, AVEC14.

## WORK EXPERIENCE

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- **2014** Royal Institute of Technology (KTH) within Vehicle Dynamics
  - Research Engineer: Development of IPGDriver input and driver characterization
  - Teacher assistant: Led exercises and field tests within the course vehicle dynamics
- **2014** Research Concept Vehicle (RCV) commercial film at KTH
- **2013-2014** Camera coordinator and camera man during the recording of the theater “På Gränsen” and “Vive La France” by Kårspexet.
- **2008, 2009, 2013** MyAcademy (1-2times/week)
  - Study coach: High school mathematics, physic and general study technique.
- **2009-2012** Korsnäs AB (During the summers)
  - Roll machine 5: Operation and basic maintenance.
- **2011** KTH, responsible for 5 computer exercises in the software MATLAB
- **2005-2008** Sandvik AB (During the summers)
  - Sandvik Coromant (2007-2008): Assembly of different tool holders. Improved efficiency.
  - Sandvik Coromant (2006): Mechanic – calibrating and repairing various machines.
  - Sandvik SVPG (2005): Temperature logging for steel types and painting of machines.
- **2007** (1 månad) Abroad at Sandvik Coromant USA as CNC-operator.
- **2004-2007** Göranssonsska school, Trainee education at Sandvik AB
  - 3D CAD, CNC, tests and maneuvering various steel treatment machines at a total of 5 different work places.

## COMPUTER KNOWLEDGE

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- Programming: Visual Basic, MATLAB, Tomlab, manuell CNC-programmering
- Presentation: Officepaketet
- 2D/3D Models: AutoCAD, Inventor, Solid Edge
- Production: Edgecam, visuell robotprogrammering
- Editing: Adobe Photoshop/Premiere/Illustrator/In Design/Cinema 4D
- Simulations: ADAMS, ADAMS/CAR, Ansys (främst fluent), CarMaker

## OTHER DISTINCT ATTRIBUTES

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- Mathematics, physics and mechanics
- Product realization
- Workshop experience
- Team work, good knowledge about technique and leadership

## PERSONAL INFORMATION

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I live together with my fiancé and think it is really fun to climb with her and my friends. Downhill skiing have been a big part of my life since I was 1.5 years old, both through my family and competitions at a national level. In general I'm interested to try most sports, RC-helicopters, photography and video editing. This have led me to start a Youtube-channel, today it has more than 300 000 views and a day record of over 14 000 views. I recently noticed that my viewers could be grouped in three groups and have now split the channel accordingly.

## REFERENCES & GRADES

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- Mikael Nybacka, Assistant professor, Royal Institute of Technology  
Colleague at the vehicle dynamics department as well as coordinator for my master thesis.  
Tel: +46 8 790 76 38, e-mail: mnybacka@kth.se
- Diomidis Katzourakis, PhD. MSc. Eng. CAE Vehicle Dynamics Eng. Volvo Car Corporation  
Company coordinator for my master thesis.  
Tel: +46 31 59 71 66, e-mail: diomidis.katzourakis@volvocars.com
- Grades are attached to this document upon request.