



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Robert William Thomson**

Address(es) Raketgatan 13, SE 413 20 Göteborg, Sweden

Telephone(s) +46 (0)31 772 3645 Mobile: +46 (0)703 08 80 25

Fax(es)

E-mail robert.thomson@chalmers.se

Nationality Swedish

Date of birth 1964-01-30

Gender Male

Occupational field **Professor**

Work experience

Dates June 2014-present

Occupation or position held Professor, Head of Division of Vehicle Safety

Main activities and responsibilities Responsible for a research division consisting of three research groups (Injury Prevention, Accident Prevention, and Road Safety Data). The division conducts research in national and international projects. Many of these projects are in collaboration with industry and support development of new safety countermeasures that can be vehicle, infrastructure, or user based.

Teaching duties include TME 121 "Engineering of Automotive Systems" and TME 180 "Automotive Masters Project". Most teaching addresses vehicle safety regulations, vehicle crashworthiness, and road-vehicle interactions.

Name and address of employer Chalmers University of Technology, Chalmersplatsen 1, 412 96 Göteborg, Sweden
www.chalmers.se

Type of business or sector Higher Education

Dates November 2008-May 2014

Occupation or position held Researcher, Traffic Safety Division

Main activities and responsibilities My research addresses vehicle and road safety and I am involved in research projects for the European Commission, the Swedish Transport Agency, the Swedish Transport Administration, and various commercial organisations. Results of my research are used to develop new road and vehicle safety designs and are used in discussions for future rule making. As a result, I have been asked to represent Sweden on various technical committees and I am often consulted on European road safety issues.

As a research institute, VTI has experts in the field of statistics, human behaviour, planning, and testing with whom I interact with. VTI has world class driving simulator facilities as well as experimental facilities for testing vehicle systems and components. Working in the Traffic Safety Division provides access to national and international accident databases to identify safety issues and evaluate countermeasure effectiveness.

Name and address of employer	Swedish National Road and Transport Research Institute, Box 8072, SE-402 78 Göteborg, Sweden www.vti.se
Type of business or sector	Independent research institute within the transport sector
Dates	September 1997-November 2008
Occupation or position held	Associate Professor (2005), Assistant Professor (1999), Post Doctoral Research
Main activities and responsibilities	I held positions of increasing responsibility at Chalmers University of Technology and was the faculty member responsible for the Vehicle Dynamics research area (Nov- 2005-Nov. 2009) within the Department of Applied Mechanics. My teaching duties included formal lectures as well as supervising graduate students and undergraduate project groups. I developed course modules in continuing education courses and was responsible for a specialisation in Vehicle Dynamics within the Chalmers Master's of Automotive Engineering Programme. Other undergraduate course responsibilities included "Measurement Techniques for Automotive Applications", and "Crash Safety". During my tenure at Chalmers I managed numerous national and European Commission sponsored projects primarily addressing road infrastructure, vehicle crashworthiness, and vehicle dynamics – all with a focus on safety. The projects addressed both passenger cars and heavy trucks.
Name and address of employer	Chalmers University of Technology, Chalmersplatsen 1, 412 96 Göteborg, Sweden www.chalmers.se
Type of business or sector	Higher Education
Dates	Dec 1996 to July 1997
Occupation or position held	Structural Analyst
Main activities and responsibilities	My main role was to analyse the structures of an aircraft modification. As a consultant, I conducted stress analyses, provided documentation for product certification, supported manufacturing operations, and tested of flight system components
Name and address of employer	Advanced Wing Technologies Corporation
Type of business or sector	Manufacturing (aftermarket supplier)
Dates	January 1988 – June 1996
Occupation or position held	Research Assistant / Teaching Assistant
Main activities and responsibilities	I managed the roadside barrier testing program for the B.C. Ministry of Transportation and Highway's (1990-1992). This included the design of testing procedures and test apparatus, organizing and supervising test periods, and analyzing and reporting test results. I was also part of the Passenger Car Survey (PCS) as a Field Investigator investigating automobile accidents. Data collected included vehicle damage, injury coding, driver interviews and scene inspections. The resulting data is part of a nation-wide database used to monitor the federal safety standards. I also provided some assistance in the investigation of safety related defects.
Name and address of employer	University of British Columbia, 2329 West Mall, Vancouver, BC Canada V6T 1Z4 www.ubc.ca
Type of business or sector	Higher Education

Education and training

Dates	1996
Title of qualification awarded	Doctor of Philosophy
Principal subjects/occupational skills covered	Mechanical Engineering Thesis Title: <i>Performance of Concrete Highway Barriers</i>
Name and type of organisation providing education and training	University of British Columbia, 2329 West Mall, Vancouver, BC Canada V6T 1Z4
Dates	1991
Title of qualification awarded	Master's of Applied Science
Principal subjects/occupational skills covered	Mechanical Engineering Thesis Title: <i>Low Speed Rear Impacts of Automobiles</i>

Name and type of organisation providing education and training | University of British Columbia, 2329 West Mall, Vancouver, BC Canada V6T 1Z4

Dates | 1986

Title of qualification awarded | Bachelor of Science

Principal subjects/occupational skills covered | Mechanical Engineering

Name and type of organisation providing education and training | University of Calgary, 2500 University Dr. NW, Calgary, AB, T2N 1N4
www.ucalgary.ca

Personal skills and competences

Mother tongue(s) | **English**

Other language(s)

Self-assessment

European level

Swedish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent User	C1	Proficient User	C1	Proficient User	B2	Independent User	B2	Independent User

Social skills and competences | Good ability to work in multi-cultural environments, familiar with presenting and interacting with individuals with different levels of English language proficiency

Organisational skills and competences

Held various leadership positions including:
- Research group head (Chalmers University of Technology – Vehicle Dynamics)
- Project Coordinator for EU FP5 project *RISER(2003-2005)*, CEDR Project ASAP (2013-2015)
- WP Leader for EU Projects *VC-COMPAT(2003-2007)*, *RANKERS(2006-2009)*, *FIMCAR (2009-2012)*
- Chairman: Enhanced European Vehicle Safety Committee Working Group 15 -Frontal Impact and Compatibility 2008-2010
- Previous Chairman: CEN/TC226/WG1/TG1 Computational Mechanics Sub Committee

Technical skills and competences

Field investigation of motor vehicle accidents (more than 100 investigations)
Familiar with measurement system applications (sensors and data acquisition)

Computer skills and competences

Engineering Software: *LS-Dyna*, *MADYMO*, *PC-CRASH*, *MATLAB*,
Report / Presentations: Microsoft Office

Driving licence

Swedish Driving Licence, Class B

Additional information

Author of numerous scientific reports in journals and conferences. Publication list available upon request.