

## CURRICULUM VITAE



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Nationality: Belgian  
Date of birth: 07-06-1967

### Education and training:

Ugent (Ghent University), Recht voor gerechtelijk deskundige: 2014

Liss, Solution selling & provocative selling: 2013

Innotex, Mini MBA: 2012

Syntra, Balanslezen & ratio analyse: 2012

University of Leeds, Diesel particulates and NOx emissions: 2011 (5-day specialisation in NOx and particle emission))

Adecon, Project management: 2001 Master electronics: 1988 – 1992

Bachelor automotive technology: 1986 - 1988

### Experience:

As of January 2016

Lecturer / research developer for Thomas More  
Technical expert & consultant for Kuylen, Pecqueur & Partners.  
Member of the European Advisory Board for SAE (Society of Automotive Engineers) Committee

As of September 2013

Lecturer at the Thomas More University College  
Research developer for the Thomas More University College  
Technical expert & consultant for Kuylen, Pecqueur & Partners.

Between September 2012 and September 2013

R&D manager for Blue Planet Hydrogen  
Head of the centre for expertise for sustainable fuels for the Karel de Grote university college  
Lecturer new fuels and drive systems for the Karel de Grote university college  
Technical expert & consultant for Kuylen, Pecqueur & Partners.

Between September 2011 and September 2012

R&D manager for Blue Planet Hydrogen  
Lecturer new fuels and drive systems for the Karel de Grote university college  
Technical expert & consultant for Kuylen, Pecqueur & Partners.

Between October 2010 and September 2015

Co-founder and owner of E<sup>2</sup>-Motion, a company active in the development of regenerative brake systems.

As of May 2010

- Member of the board and co-owner of Kuylen, Pecqueur & Partners, a Technical expertise & Consultancy company in alternative fuels and drive systems.  
Between May 2008 and September 2012  
Member of the scientific advisory board Greenbridge Power-link
- Between January 2007 and February 2009  
Member of the Board of Directors of Hydrothane, a company aiming at bringing hydrogen driven cars on the market.
- Between January 2007 and June 2009  
Project leader Opel combo hydrogenius project: construction of an opel combo bi-fuel hydrogen & petrol.
- Between September 2006 and September 2008  
Deputy project leader FLEXRAY project: onderzoek naar de mogelijkheid om systemen toe te voegen aan het bestaande FLEXRAY netwerk in voertuigen.
- Between February 2006 and February 2008  
Project leader Topsteering project. In this project we developed a new cylinder head for a four-stroke engine without valves.
- Between August 2005 and September 2007  
Project leader of different projects regarding heat exchange and coating in combustion engines, in close cooperation with one of the major suppliers in the automotive industry.
- Between September 2004 and April 2005  
Project leader on the CTPT project. In this project a city bus was transformed so it could run on a mix of hydrogen (20%) and natural gas.
- Between September 2002 and September 2004  
Deputy project leader CAN project: in this project the possibility was looked at to read messages of and send messages to an existing CAN network in a car.
- As of January 2002  
Head Automotive Research with several projects relating to new fuel and drive systems, such as hydrogen in combustion engines
- As of May 2000  
Technical expert combustion engines, alternative fuel systems and vehicle technology
- Between August 1997 and February 1999  
Account Manager for Prins LPG systemen
- Between September 1993 and September 2009:  
Lecturer automotive technology for the Karel de Grote university college having the following assignment:
- Combustion engines
  - Vehicle dynamics
  - Alternative fuel and drive systems
  - Vehicle technology
- Between November 1992 and September 1993  
Electronics lecturer at Karel de Grote university college having the following assignment
- Network systems
  - Digital systems

### Driving licences

A & B as of 3.9.1985

CE as of 4.8.1987

DE & G as of 23.11.04

### Publications

- Don't change the engine change the fuel Europe Spotlight Newsletter January 2016:  
[http://sae-europe.org/articles/don-t-change-the-engine-change-the-fuel.html?mkt\\_tok=3RkMMJWWfF9wsRoluanOZKXonjHpfsX74uolXqSg38431UFwdcjKpmjr1YEDTcN0aPyQAgobGp5I5FENSLXYTqNnt6QPUG%3D%3D](http://sae-europe.org/articles/don-t-change-the-engine-change-the-fuel.html?mkt_tok=3RkMMJWWfF9wsRoluanOZKXonjHpfsX74uolXqSg38431UFwdcjKpmjr1YEDTcN0aPyQAgobGp5I5FENSLXYTqNnt6QPUG%3D%3D)
- Road Book of innovation “28 inspiring conversations”: ISBN 9789460581144 2012 Luster Antwerp
- Institution of mechanical engineers 2012-11 “Evolutionary decarbonisation of transport: A contiguous roadmap to affordable mobility using sustainable organic fuels for transport” J W G Turner, R J Pearson, Lotus Engineering, UK; P Harrison, A Marmont, R Jennings, Air Fuel Synthesis Limited, UK; S Verhelst, J Vancoilli, L Sileghem, Ghent University, Belgium; M Pecqueur, K Martens, Karel de Grote University College, Belgium; P P Edwards, University of Oxford, UK
- SAE 2012-01-0885 "Controlling Particulate Matter Emissions in Vehicles Using Different Strategies under the Heavy-Duty Test Cycle," Oliveira, L., Savvidis, D., and Pecqueur Sr, M.
- SAE 2011-01-9166 The technical implementation of a retrofit hydrogen PFI system on a passenger car. P. Huyskens, S. Van Oost, P.J. Goemaere, K. Bertels, M. Pecqueur
- SAE ; 2008-01-2611 An old Ford Escort 1.6 was tested on a chassis dynamometer and compared with a new Volvo V70 2.5 using the same blends of cottonseed biodiesel and neat diesel / Savvidis, Dimitrios ; Triandafyllis, John ; Grammatikis, Vassilios ; Pecqueur, Mark. - S.I. : SAE, 2008. - Reeks: SAE technical papers /
- SAE 2008-08CV-0023 Emissions generated from a Suzuki Liane running on unleaded gasoline and LPG under the same load conditions; M. Pecqueur, K. Ceustermans, P. Huyskens, D. Savvidis
- SAE 2008-08SFL-0045 A new Volvo V70 2.5 and an old Ford Escort 1.6 were tested and compared on a chassis dynamometer, using the same blends of frying biodiesel and neat diesel; D. Savvidis, V. Grammatikis, J. Triandafyllis, Georgios Gkatzianis, M. Pecqueur
- SAE 2007-01-2022 measuring the performance and the environmental effects of four-stroke diesel engines operated on the same plant oil methylester mixtures in two laboratories; D. Savvidis, V. Grammatikis, J. Triandafyllis, M. Pecqueur, F. Vosniakos
- Fresenius environmental bulletin volume 15 No 8b 2006 Four-stroke diesel engines operated on plant oil methylester mixtures- performance and environmental effects; D. Savvidis, V. Grammatikis, J. Triandafyllis, M. Pecqueur, F. Vosniakos, A. Kelesis