

## Curriculum Vitae: Nathan van de Wouw

Nathan van de Wouw (born, 1970, the Netherlands) obtained his MSc-degree and PhD-degree in Mechanical Engineering from the Eindhoven University of Technology, Eindhoven, the Netherlands, in 1994 and 1999, respectively. The title of his PhD thesis is 'Steady-State Behaviour of Stochastically Excited Nonlinear Dynamic Systems'.

From 1999 until now he has been affiliated with the Department of Mechanical Engineering of the Eindhoven University of Technology in the group of Dynamics and Control (chaired by Henk Nijmeijer) and currently holds a position as an full professor. He also hold a part-time full professor position within the Delft Center for Systems and Control, Faculty of Mechanical, Maritime and Materials Engineering at the Delft University of Technology, The Netherlands. Moreover, he is and adjunct full professor at the Civil Environmental and Geo-Engineering Department of the University of Minnesota, Minneapolis, U.S.A.

In 2000, Nathan van de Wouw has been working at Philips, the Centre for Industrial Technology, group Acoustics and Control, the Netherlands, within a research project for Philips Medical Systems on the active noise reduction of MRI scanners. In 2001, he has been working for several months at the Netherlands Organisation for Applied Scientific Research (TNO), TNO-Automotive, department of Crash Safety, group Biomechanics, within a project on the modelling of active muscle behaviour in the human torso for crash-safety simulations. In 2006/2007, he has been a visiting professor at the Center for Control, Dynamical Systems, and Computation, University of California, Santa Barbara, CA, U.S.A., in the group of prof. João Hespanha, working on the topic of Networked Control Systems. In July 2007, he has been a visiting researcher at CSIRO Petroleum, Perth, Australia. In 2009/2010, he has been visiting professor at the Electrical and Electronic Engineering Department of the University of Melbourne, Australia, in the group of Prof. Dragan Nešić. In 2012 and 2013, he has been a visiting professor at the Civil Engineering Department of the University of Minnesota in Minneapolis, U.S.A. in the group of Prof. Emmanuel Detournay.

Nathan van de Wouw has co-authored over 80 publications in international journals, over 100 refereed proceedings contributions at international conferences and 12 book contributions. Moreover, he has published two monographs: 'Uniform Output Regulation of Nonlinear Systems: a Convergent Dynamics Approach' (2005) and 'Stability and Convergence of Mechanical Systems with Unilateral Constraints' (2008).

In 2015, he has received the IEEE Control Systems Technology Award 'For the Development and Application of Variable-Gain Control techniques for High-Performance Motion Systems.'

He has co-organised a symposium on 'Experiments in Nonlinear Dynamic Systems' at the fifth EUROMECH Nonlinear Dynamics Conference (ENOC2005) in Eindhoven, the Netherlands, 2005, and at the ENOC2008 Conference in St. Petersburg, Russia, 2008. He has also co-organised a mini-symposium on 'Experiments in Nonlinear Dynamics and Control' at the seventh EUROMECH Nonlinear Dynamics Conference (ENOC2011) in Rome, Italy, 2011. He has also co-organised the Second International Colloquium on 'Nonlinear dynamics and control of deep drilling systems' to be held at the Eindhoven University of Technology in 2012. Currently, he is organising the Third International Colloquium on 'Nonlinear dynamics and control of deep drilling systems' to be held at the University of Minnesota, U.S.A., in 2014. He has been member of the IPC of the MIC2008 conference and the IEEE CASE 2008 conference, a member of the Technical Programme Committee of the CONET2010 workshop. Moreover, in 2009-2013 he has been a member of the Conference Editorial Board of the IEEE Control Systems Society. Moreover, he has served as (guest)-editor for the International Journal of Robust and Nonlinear Control and the IEEE Transactions on Intelligent Transportation Systems and is an associate editor for the IFAC journal Automatica and for the IEEE journal Transactions on Control Systems Technology. He has been doing industrial consultancy for and research projects with several companies and research institutes including Philips, Océ, Shell, Volkswagen, Bosch Rexroth AG, FEI Company, LMS, ASML, ESA/ESTEC, Dutch Space, Statoil, Tomax, TNO, CSIRO, TNO, Assembl'eon and others.