

Curriculum Vitae

Personal data

Family name: Melkert
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Education

Master of Science degree in Aerospace Engineering at the Faculty of Aerospace Engineering, TU Delft, the Netherlands (with honours)

Bachelor degree in Business Administration at the Leidse Onderwijs Instellingen, Leiden, the Netherlands (with honours)

Current professional position

Since 2013 assistant professor at Flight Performance and Propulsion chair of the faculty of Aerospace Engineering of TU Delft. Lecturing in Aircraft Design, Propulsion and sustainable development. Responsible for a minor program in the third course year, the design/synthesis exercise and coaching Master students. Responsible for the execution of the assessment policy of the faculty. Faculty representative in the PEGASUS network of European aerospace universities (since 2003).

Previous Experience in teaching, research and management

2004-2012 assistant professor at the faculty of Aerospace Engineering of TU Delft, ASSET chair (AeroSpace for Sustainable Engineering and Technology, headed by prof. Wubbo Ockels). Lecturing in Aircraft design, aircraft systems and sustainable development. Responsible for a minor program in the third course year, the design/synthesis exercise and coaching Master students. Research into sustainable mobility via the Superbus project (project manager) and a project for alternative aviation fuels (research leader) and involved in all other special engineering projects of the chair (solar car racing, solar boat racing, kite powered wind energy)

1997 - 2004 assistant professor in propulsion, noise and helicopters within the Flight Mechanics and Propulsion Group of the Faculty of Aerospace Engineering, TU Delft. Research areas included rotorcraft, aircraft noise propulsion and certification flight test engineering. Results of the research were published in approximately 150 publications ranging between books, both national and international, refereed journals, magazines and reports.

Lecturing since 1997. Teaching experience includes both lecturing, project work and coaching MSc students in the graduation research project. Course involvement include: Introduction to Aerospace Engineering, Advanced Dynamics, Design exercises, Project work, Flight Mechanics Exercise and Rotorcraft Dynamics.

2001 – 2004 Head of the Bureau for Strategic Development of the Faculty of Aerospace Engineering. As the head of the Bureau for Strategic Development heading a group of approximately 20 full time staff, part time staff and students. The tasks included marketing, PR, international affairs and coordinating the international internship program at the faculty.

In a flight test program being responsible for a group of three test pilots and the complete flight test program of a JAR 23 certification of the Euro-ENAER composite two-seater aircraft (1997-2001).

As General Manager being responsible for the complete rebuilding of a flying 1937 biplane named Lambach HLII, a student project which ran between 1989 and 1995. In total 150 students were involved.

Languages

Dutch	mother tongue
English	fluent
German	good
French	limited

Memberships of scientific and professional organisations

NVvL: Dutch Association for Aerospace Technology, a CEAS member

KIVI: Royal Institute of Engineers

AIAA: American Institute for Aeronautics and Astronautics (life time member)

SAE: Society of Automotive Engineers

Current other professional activities

Treasurer of the PEGASUS foundation, a European organisation representing 25 of the best Aerospace universities and Faculties.(since 2006)

Member of the editorial board of Aerotecnica, the oldest aerospace journal in the World (since 2009)

Member of the AIAA General Aviation Technical Committee (since 2009)

Member of the awards committee of the Faculty of Aerospace Engineering (since 2009)

Member of the board of the NVvL: Dutch Association for Aerospace Technology. (since 2011)

Member of the Executive Committee of the Delft University Fund (since 2012)

Evaluator of the Italian aerospace research programs (VQR 2004-2010) (since 2012)

Member of the awards and PR committees of the Dutch Aerospace Fund (Nederlands Lucht- en Ruimtevaartfonds) (since 2012)

Current other activities

Volunteer with the Foundation Huttenbouw, a foundation which organises a summer camp activity for 700 children every year. (since 1984)

Chairman of the church telephone organisation of “De Bron”, a church in Alphen aan den Rijn (chairman since 1987, volunteer since 1982)

Chairman of the technical committee of the Frisian Solar Challenge, an international race for solar powered boats. (since 2005)

Former other activities

Member of the general assembly of the Royal Dutch Touring Club ANWB. The ANWB is the largest association in the Netherlands with 4 million members. The council forms the highest board in the association and can be considered the “parliament” of the association. (2001-2012)

Member of the technical committee of the Nationale Luchtvaartprijs (National aviation Award), part of the Nationaal Luchtvaartfonds (2011)

Treasurer of the Foundation Huttenbouw, a foundation which organises a summer activity for 700 children every year (1990-2011)

Member of the board of the ANWB fund (2003-2010)

Honours and awards

NVvL study prize 1993 (for the MSc thesis)

Diplôme Phénix of the Fédération Aéronautique Internationale 1995 (for the building of the Lambach HL II aircraft)

Honorary diploma of the General Snijders Foundation 1995 (for the building of the Lambach HL II aircraft)

Honorary medal in silver of the community of Alphen aan den Rijn (for the Huttenbouwweek)

Bronze medal of merit of the Faculty of Aerospace Engineering 2005 (for the successful resuscitation of a colleague having a heart attack)

European Solar Prize 2008 (for the Frisian Solar Challenge)

Cross for Marching Proficiency 2012

Driving licences

A - AM - B - BE - C1 - C - C1E - CE - D1 - D - D1E - DE

License for transporting dangerous goods

License for transporting goods

License for transporting people

License for escorting outside transports