

Curriculum vitæ

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Personal

Family name	Entzinger
First names	Jorg Onno
Address	Bunkyo-ku Honkomagome 2-21-6 Casa Felice 201
Zip Code	113-0021
City, Country	Tokyo, Japan
Cell phone	+81-(0)80-3396-1035
E-mail	Jorg@Entzinger.nl
Webpage	jorg.entzinger.nl
Birth date, place	May, 23rd 1981, Assen
Civil state	Single
Nationality	Dutch

Education

April 2007 – present	University of Tokyo, Japan, faculty of Engineering, department of Aeronautics and Astronautics, Ph.D. due in March 2010.
April 2006 – March 2007	University of Tokyo, Japan, faculty of Engineering, department of Aeronautics and Astronautics, as non-degree research student.
September 1999 – September 2005	University of Twente (UT), the Netherlands, department of Mechanical Engineering, Mechanical Automation laboratory, M.Sc. in Mechanical Engineering (diploma, Cum Laude).
September 1993 – July 1999	VWO (secondary school) Thorbecke Scholen Gemeenschap, Zwolle, the Netherlands (diploma, with distinction).

Languages

Dutch	Mother tongue.
English	Fluent.
German	Advanced (not fluent in writing).
Japanese	Intermediate.
French	Basics.

Computer skills

Programming and Math	Matlab, Java, C++, Maple, Mathematica, Pascal, Visual Basic.
CAD & FE	SolidWorks (3D), Vellum, Ansys (basics), MoldFlow.
Web	HTML, CSS, PHP, SQL, JavaScript.
Other	L ^A T _E X, MS Office, various drawing & photo editing software.

Interests

Professional	Robotics, control systems, soft computing, signal processing, optimization, image processing, (computational) mechanics, application development.
Personal	Photography, travelling, hiking, Alpine climbing, nature, cooking, (rock, jazz, classical) music, arts, literature, physics.

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Publications

J.O. Entzinger “*Modeling of the Visual Approach to Landing using Neural Networks and Fuzzy Supervisory Control*”, Proceedings of the 26th International Congress of the Aeronautical Sciences, Anchorage, AK, USA, Sep. 2008 (#440).

J.O. Entzinger “*A Fuzzy Supervisory Model for Analysis of Manual Landing Control*”, Proceedings of the 4th International Symposium on Innovative Aerial/Space Flyer Systems, Tokyo, Japan, Jan. 2008 (#P-37).

J. Entzinger, D. Iakovou, R. Aarts & J. Meijer, “*Improving coaxial measurements in laser welding by correcting distortions of a laser focus lens with a wide field of view*”, Journal of Laser Applications, Laser Institute of America, Vol. 19, Nr. 2, August 2007 (pp 141–148).

J.O. Entzinger & D. Ruan, “*Optimizing Nuclear Reactor Control Using Soft Computing Techniques*”, In C. Kahraman, (Ed.) Studies in Fuzziness and Soft Computing, Vol. 201: Fuzzy Set Techniques in Industrial Engineering, Springer Verlag, 2006 (Ch. 2.4).

J.O. Entzinger, “*A flexible seam detection technique for robotic laser welding*”, MSc. Thesis, Faculty of Engineering Technology, University of Twente, The Netherlands, sep. 2005 (#WA-1013).

J.O. Entzinger, R. Spallino & W. Ruijter, “*Multilevel Distributed Structure Optimization*”, Proceedings of the 24th International Congress of the Aeronautical Sciences, Yokohama, Japan, Sep. 2004 (#374).

Work experience

October 2005– March 2006
(1 fte) Research for the University of Twente, faculty of Mechanical Engineering, Mechanical Automation Laboratory. Assignment: soft- and hardware development for image processing and seam detection in the ‘Ingerated Laser Welding Head’ project. Supervision: Prof.dr.ir. J. Meijer.

May – June 2004
(1 fte) Internship at the Belgian nuclear research institute SCK.CEN. Assignment: Investigate the possibilities for optimisation of a fuzzy logic nuclear reactor controller using soft computing techniques. I combined genetic algorithms and neural networks to develop and optimise a fuzzy logic controller for a demonstrator model of nuclear reactor control. Supervision: Prof.Dr. D. Ruan.

February 2004
(1.5 fte) Optimisation of the vertical tailplane (VTP) for the Airbus A380 aircraft within the framework of the VTP redesign TaskTeam. Supervision: Dr. R. Spallino (Airbus Industries GmbH).

March – December 2003
(0.15 fte) Organization of Createch engineering contest at the University of Twente. Createch lets multidisciplinary teams of students build a robot in one week time. Organization includes fund raising, formulation of an assignment, supervision of the teams and organising a final contest with approximately 100 visitors. Supervision: Prof.ir. H.M.J.R. Soemers

January 2002 – March 2004
(0.3 fte) Research for the University of Twente, faculty of Mechanical Engineering, Laboratory of Engineering Mechanics and Composite Materials, in collaboration with the Dutch Aerospace laboratory (NLR) and Airbus Industries. Assignment: Optimization of Aerospace structures using Genetic Algorithms and Neural Networks. (Implementation in Matlab and later in Java.) Supervision: Prof.dr.ir. A. de Boer (UT) and Dr.ir. L. Warnet (UT), Ir. P. Arendsen (NLR) and Dr. R. Spallino (Airbus).

January 2001 – April 2004
(0.1 fte) Chairman/Member of the Education Evaluation Committee. I was responsible for setting up a web-based opinion poll system, web server maintenance and regular quality surveys of lectures and projects, with feedback to both students and teachers. Supervision: Drs. C.T.A. Ruijter.

(fte = full time equivalence)