

Curriculum vitæ

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Personal

Family name	Entzinger	エントジンガー
First names	Jorg Onno	ヨルグ オノ
Titles	Dr.Ir.	工学博士、工学修士
Affiliation	The University of Tokyo School of Engineering Institute for Innovation in International Engineering Education	東京大学大学院 工学系研究科 国際工学教育推進機構
Position	Research Associate	助教
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Nationality	Dutch	オランダ
Birthday (Age)	23 May 1981 (30)	昭和56年5月23日(30歳)

Education

April 2007 – March 2010	University of Tokyo, Japan, Faculty of Engineering, Department of Aeronautics and Astronautics, Flight control, safety & optimization laboratory, Ph.D. (diploma).
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, The Netherlands, Department of Mechanical Engineering, Mechanical Automation laboratory, M.Sc. (diploma, Cum Laude).
September 1993 – July 1999	VWO (secondary school) Thorbecke Scholen Gemeenschap, Zwolle, The Netherlands (diploma, with distinction).

Work experience

April 2010 – Present (1 fte)	Research Associate at the University of Tokyo. Planning, organizing, and carrying out various projects at the Institute for Innovation in International Engineering Education of the School of Engineering to improve students' international communication, teamwork, and leadership skills (50%). Additionally conducting research on the modeling of human operations, decision making, and control at the department of Aeronautics & Astronautics (50%). Supervision: Prof.Dr. K. Morimura and Prof.Dr. S. Suzuki.
October 2005– March 2006 (1 fte)	Researcher at the University of Twente. I developed software and hardware for image processing and automatic seam detection for robotic laser welding. Supervision: Prof.Dr.Ir. J. Meijer.
May – June 2004 (1 fte)	Internship at the Belgian nuclear research institute SCK-CEN. I investigated the possibilities for optimization of a fuzzy logic nuclear reactor controller using soft computing techniques. Supervision: Prof.Dr. D. Ruan.
February 2004 (1.5 fte)	Optimization of the vertical tailplane (VTP) for the Airbus A380 aircraft. Supervision: Dr. R. Spallino (Airbus Industries GmbH).
March – December 2003 (0.15 fte)	Organization of Createch engineering contest at the University of Twente. Supervision: Prof.Ir. H.M.J.R. Soemers

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Work experience

January 2002 – March 2004
(0.3 fte)

(Continued)

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. Supervision: Prof.Dr.Ir. A. de Boer.

January 2001 – April 2004
(0.1 fte)

Chairman/Member of the Mech.Eng. Education Evaluation Committee at the Univ. of Twente. Supervision: Drs. C.T.A. Ruijter.

(fte = full time equivalence)

Key Publications

(A full list of publications and peer-reviews is available upon request)

J.O. Entzinger, K. Morimura, S. Suzuki, “Developing e-learning content to raise global awareness in a seminar style course”, *Proc. of the IEEE International Professional Communication Conference (IPCC 2011)*, Cincinnati, Ohio, USA. Oct. 2011.

J.O. Entzinger and S. Suzuki “Apparent Motion of the Runway Sidelines as a Visual Cue to Flare Timing: An Investigation through Full Flight Simulator Experiments”, *Proc. of the Fourteenth Australian International Aerospace Congress (AIAC14)*, Melbourne, Australia. Mar. 2011.

J.O. Entzinger, “*Analysis of Visual Cues for Human Pilot Control in the Final Approach and Landing*”, Ph.D. Thesis, Department of Aeronautics and Astronautics, School of Engineering, The University of Tokyo. Mar. 2010.

J.O. Entzinger and S. Suzuki “Modeling of the Visual Approach to Landing Using Neural Networks and Fuzzy Supervisory Control” *Aerospace Science and Technology* 14 (2) Mar. 2010.

J.O. 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. Aug. 2007.

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.

J.O. Entzinger, “*A flexible seam detection technique for robotic laser welding*”, MSc. Thesis, Faculty of Engineering Technology, University of Twente, The Netherlands. Sept. 2005.

Language skills

Dutch	Mother tongue.
English	Fluent.
Japanese	Advanced.
German	Advanced.
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	Control (Systems, Human Factors, Modeling, System Identification), Soft computing (Fuzzy Logic, Neural Networks, Genetic Algorithms), Application (Image processing, Decision making, Optimization), Education (Project-based learning, Research methods, Global thinking).
Personal	Photography, Traveling, Hiking, Alpine climbing, Nature, Cooking, (Rock, Jazz, Classical) music, Modern art, Literature, Technology.