

Curriculum Vitae

of

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Born February 1st 1969 in Hilversum
Dutch nationality
Marital status: married

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Employment

Currently employed at Alten and stationed at ASML. Designed the host-worker communication of the connectivity layer for a real-time motion platform in the NXT wafer scanner project. This platform is intended to control wafer stage and reticle stage at a sample frequency of 10 kHz. Researched an alternative approach: using Field Programmable Gate Arrays instead of general purpose microprocessors. Next to the ASML activities, I was project leader and initiator of the WeGaFloC research project: wet gas flow computing, introducing equation of state calculations in a real-time production environment. Started at ASML in December 1996 and at Alten in November 1996.

Until October 1996 working at **Innovation Centre Eindhoven** of **Philips Semiconductors**. Stayed in Taiwan, Taipei for six months until December 2005. Was involved in sales support: giving demos of our TV810/TV510 digital TV ATSC solution in China, Korea, Singapore and Taiwan. Gradually, tasks shifted from sales towards customer training, digital TV laboratory set-up, support engineer training and design-in.

Within my one-man enterprise **kubicas**, I participated in a metering and reservoir engineering project for the F-16 platform. My customer was Honeywell and I cooperated with Emerson, Instromet and Wintershall. I was involved in the specification phase before. Multiple software modules were designed, implemented, documented and delivered on June 2005.

Moved from **Philips Digital Systems Laboratories** to ICE in November 2003. At PDSL joined the DVD+RW recorder team. Designed and developed the audio and video output module, the on-screen display module and the memory manager for streaming buffers. Used C on the MIPS platform for the modules, C++ for the tooling and UML for design. Did the **Embedded Systems Architecture** training at the EESI¹ from August 2001 until July 2002. Followed the CD CD-R/RW DVD course after starting at PDSL in May 2001

Employed at **Polar Systems** until April 2001 as senior system engineer and lead-engineer. Designed and developed a fiscal metering system for the **NAM² offshore platform** D15-FA, and for the **Wintershall** platforms A6-A and L8-P4. The software functionality comprised fiscal metering with orifice and coriolis, fiscal data logging, wet-gas venturi metering for reallocation, platform mass balance, flash calculations and an expert system for reservoir engineering. Upgraded the fiscal metering systems for the underground gas storage plants in Norg, Grijpskerk (both of the NAM) and Alkmaar (Amoco). Developed TCP-IP driver for **OLNG³** and commissioned metering and analyzer management software in Oman.

Attended the courses 'System Administration for Microsoft SQL Server 7.0' and 'NT Core Technology/NT4 Server Enterprise/ NT4 Security' in September 2000. Joined the Shell course 'Custody Transfer, Sales and Fiscal Metering June 8th-12th 1998. At Polar Systems all software was implemented in **C++**, resulting in a thorough command of the final standard including **STL⁴**. Used MFC and the **Windows NT API** intensively. Familiar with **object-oriented** programming and Rumbaugh. Started at Polar Systems April 1st 1997.

Started **kubicas** in August 2001, which operates in the field of system integration with PC's and PLC's. Did small projects for Wintershall (consultancy), Polar Systems (Factory acceptance test) and the NAM (extension of a metering system). **kubicas** offers multi language solutions with C++, **C#** and Visual Basic.

Up to March 31, worked for **ASM** (Advanced Semiconductor Materials) as a Software Engineer. Stayed in Japan (Tama-shi, Hashimoto, Nagaoka and Kumamoto) for a period of 9 month for software development and customer support for an ultra high vacuum cluster with a hemo-spherical grain reactor. Worked in clean-rooms in Japan and Scotland of NEC and a clean-room of the Fraunhofer Institute in Erlangen, Germany. Before Japan, worked on the development of the MESC⁵ cluster tool controller. Attended the seminar 'Software Development using Real-time Performance Software Products' in San Francisco and studied the MESC standards. Took up duties at ASM April 1994.

Job objective

Interested in challenging multi-disciplinary projects in a high technical environment. Wishes to carry technical responsibility, including the coaching of project-engineers.

Education

Electrical engineering, direction **information engineering**, at the **Eindhoven University of Technology**.

Graduated on April 14th 1994 with mark 9 for the thesis.

Chosen set of course options:

Modern control engineering	Computer networks
Stochastic system theory	Compilers I
Applied system analysis	Programming parallel processes
Robot control	Software engineering
Communication principles	System technology
Information theory II	Technical/Scientific English I
Microcomputer architecture	Technical/Scientific English II
Theory of queuing and congestion	Technical/Scientific writing
Time-discrete signal processing	Information ergonomics

Obtained foundation course September 1989; started studies on September 1988.

Courses attended at the Computer Center of the Eindhoven-UT:

Object oriented programming in C++	Laboratory automation with PCs
Using UNIX	Advanced Lotus 1-2-3
Computer algebra	LaTeX

Graduated on an object-oriented design for control of Flexible Manufacturing Systems and on its implementation for a flexible assembly and welding cell in C++. This project was conducted at the Measurement and Control Section of the Faculty of Electrical Engineering of Eindhoven-UT in cooperation with the faculties of Mechanical Engineering and of Mathematics and Computer Science. Started May 1993.

March 1993, **training period** involving force measurement with strain gages for an overload-protection of a boatlift for a yachting club.

October 1991, presented a **training period** report of a scheduling algorithm based on neural networks, implemented in C++. Was conducted at the Design Automation Section.

Miscellaneous

Designed and implemented light, sound, recording and stage information system for the opera "Die Zauberflöte" by W.A. Mozart at the Gasthuiskapel in Zaltbommel, a location without theatre facilities. There were 6 performances: all sold out.

Received **First aid** certificate in March 1999 and BHV⁶ in april 2000. Obtained VVA⁷ I in October 25th and Basic Offshore Safety Induction and Emergency Training in November 19th 1999.

Wrote a technical **article** for the **NRC-Handelsblad** in December 1990.

VWO-diploma obtained in June 1988 at the Cobbenhagen College in Tilburg.

Hobbies: Caribbean dances and cycling.

¹ Eindhoven Embedded Systems Institute

² Nederlandse Aardolie Maatschappij = The Dutch national exploration company

³ Oman Liquefied Natural Gas

⁴ Standard Template Library

⁵ Modular Equipment Standard Committee

⁶ Bedrijfs Hulp Verlening = First aid, fire fighting and evacuation

⁷ Veiligheid Voor Aannemers = Safety for contractors