

**Personalia:**

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Date & place of birth: 16-12-1947, Słupsk, Poland  
Dutch citizenship since 1991

**Profile:**

Senior industrial experience in three areas:  
Software Engineering  
**System Validation and Testing**  
Video Processing  
Academic background in research and teaching  
in Mathematics and Physics.

**Hobby:** Music (playing flute), translation work, gardening, active sport: skiing, swimming.

**Education:**

Period:	Study:	Diploma:
1971 – 1974	Post-graduate study Polish Academy of Sciences	Yes ( <b>Ph.D. Mathematics</b> )
1965 – 1970	Physics, University Of Warsaw	Yes (M. Sci. Physics)
1961 – 1965	Lyceum XXXVII, Warsaw	Yes (" Matura" Certificate)

**Relevant Technical, Management, and Personal Skills Courses:**

Period:	Subject:	Institution:
2008	<u>SP-VS 1b</u> (Video Signal Processing) ( <b>Certified</b> ) (10d)	Philips CTT
2008	Managing Successful Projects NX4.2 (3d)	NXP Academy
2008	Negotiation Skills NX1.1 (2d)	NXP Academy
2006	<b>ISEB Practitioner (Certified) (9d)</b>	<b>Improve QS</b>
2006	<u>VCODING</u> – digital signal processing and coding (4d)	Philips
2005	<u>TV-VSP video signal processing</u>	Philips
2005	<b>ISEB Foundations (Certified) (4d)</b>	<b>Philips/Improve QS</b>
2005	ATSC basics	Philips
2004	TV Principles	Philips
2004	TV system architecture	Philips
2003	<u>EXARCH - Execution Architecture</u>	Philips
2003	Jaguar TV Platform	Philips
2003	<u>LCD Technology</u>	Philips
2002	<u>SARCH – System Architecture</u>	Philips
2001	Philips CE Introduction	Philips
2001	MG-R - TV Software Component Model	Philips
2000	<b>Continuus CM – Build Manager</b>	<b>Philips (QA-Systems)</b>
2000	<b>Continuus CM – Developer</b>	<b>Philips (QA-Systems)</b>
2000	Configuration Management EPPO	IBM
2000	<u>Business Correspondence in Dutch</u> (1 year)	Schoevers
2000	<u>Project Management Fundamentals (Certified)</u>	IBM
1999	Windows CE	IBM
1999	TPD Technical Documentation	Philips
1999	Lotus Notes	IBM
1999	Efficient Communication	IBM
1999	<u>Consumer Relationship Management</u>	IBM

1998	ORACLE RDBMS Concepts	IBM
1998	<u>Project Quality Plan</u>	IBM
1998	<u>Commercial Awareness</u>	IBM
1997	Advanced Delphi	IBM
1997	JAD Facilitator	IBM
1997	<u>DSM and RAD for Experienced System Dev.</u>	IBM
1996	META Tool	AT&T
1996	<u>TMap Test Management</u>	TMap
1993	<u>Pattern Recognition</u> (1/2 year)	TU Delft
1993	<u>Image Processing</u> (1/2 year)	TU Delft

### **Languages:**

	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
Polish	- native speaker -		
Dutch	very good	very good	good
English	very good	very good	very good
Russian	good	very good	satisfactory
Spanish	basic	good	basic
French (technical)	basic	good	basic

### **Specific knowledge and experience:**

#### **Related to TESTING:**

- ISEB Foundations and Practitioner Certificates
- TMap course
- Test, Validation, Build and Integration roles in a number of projects in IBM, Philips and NXP
- Requirements Management and Risk Based testing methods
- Test tools and test automation in consumer electronics projects
- Test environment for embedded systems: emulators, simulation
- Code analysis and evaluation with metrics – test code coverage tools
- Test Architecture and design for testability
- Technical lead of a test team
- Management skills – as the Video Lab Manager: including software for infrastructure, analysis and test and evaluation environment for TV Research of NXP.
- TV and Video Systems knowledge – expertise in Picture Quality and video Processing.

#### **Related to Software Development:**

- All through Software Engineering – from Architecture to Coding and Validation
- Computer languages and libraries: C, C++, Objective C, Visual Basic, OpenGL, Cocoa Touch
- Other languages: HTML, PHP, Java, Pascal, Prolog, Lisp, Mathematica, TCL scripting, OpenGL, DirectX
- Analysis and Design methods: Object Oriented (UML), SD (Goma), Yourdon, Hatley-Pirbhai, component based design MGR Koala (Philips)
- Operating systems and platforms: Windows, iOS, UNIX/Linux, Server 2003, pSOS+, CMX, OS-9, Nucleus+, TASS Kernel, ONTAP (NetApp) data server
- Tools: Windows tools and applications (Visual Studio), iOS SDK, UNIX tools, debugging tools and emulators (e.g. Lauterbach), Quality tools (QAC), CASE tools (Rational Rose, Select, Paradygm+), MetaTool (code generation), NetObjects Fusion.

## Work experience:

- Present:** **Softest:** : *Free-Lance consultancy in Software Design and Testing:*  
Case study Graphic Interface to Knowledge Systems: JavaFX.  
Pilot and prototype projects for iOS (iPad/iPhone) and Android based **mobile applications**, controlled by interactive GUI with 3D effects, developed under OpenGL, in C++, Objective-C and Java.  
Client-server applications on Linux and Apache servers, web site design for user interaction with a database, PHP, Java, HTML.
- Period:** **01-07-2007 – 01-05-2010**  
Functions: Video Lab Manager  
Company/Division: **NXP Semiconductors Research, Dept. Systems and Algorithms**  
Most important tasks: Creation and Management of Video Lab and Infrastructure supporting research projects in the domain of Video Processing – budget > 300K €. Leading software projects for supporting tools and applications. Department IT support.
- Period:** **01-10-2003 – 01-07-2007**  
Functions: Test Architect and Senior Software Designer  
Company/Division: **NXP Semiconductors ICE** (former **Philips Semiconductors**)  
Most important tasks: Technical Lead for Software Test & Integration team for Digital TV systems. Expertise in customer support in picture quality and video processing – China, India, Europe.
- Period:** **01-01-2001 – 30-09-2003**  
Functions: System Designer / Architect/ Test Architect  
Company/Division: **Philips Electronics** - Consumer Electronics (ASA Lab, BCT High-End TV)  
Most important tasks: Embedded system design, implementation and validation for Flat TV. Project leading for particular system functionality and upgrade. Project leading for Automated Build & Validation system.
- Period:** **1996 – 2000**  
Function: Consultant/Senior IT Specialist  
Company/Department: **IBM Global Services (from October 1997** time-hired by **Philips** CDS – LCD Projectors, **Philips** BTS – Professional TV Camera)  
Most important tasks: Embedded software design and validation. Software Team leading for external customers. Build and Configuration Management. Quality System Tools and CASE Tools for internal IBM customers
- Period:** **1994 – 1996**  
Function: Senior Software Specialist  
Company/Department: **PTS Software** (Time hired by **Holland Signal Communications** and **AT&T**)  
Most important tasks: Development and specification of telecommunication control systems
- Period:** **1992 – 1994**  
Function: R&D Consultant  
Company/Department: **Opticon Sensors Europe B.V.**  
Most important tasks: Pre-concept and applied research on embedded optoelectronic systems.
- Period:** **1970 – 1992**  
Function: Range of academic positions up to Assistant Professor (Universitair Docent) and Research Associate  
Institution/Department: **University of Warsaw; Polish Academy of Sciences ; Eindhoven and Delft Universities of Technology; University of Toronto** [Faculties of Physics, Mathematics and Computer Sciences]  
Most important tasks: Research in Computer Sciences and Software Engineering, Artificial Intelligence, Expert Systems, Logical Languages, Modelling, Research in Mathematics and Mathematical Physics  
Teaching of Computer Sciences, Logics and Mathematics  
Ph.D. degree in Mathematics (1977)

## REFERENCES

Ir. Erik Lambers , Director of R&D, FEI Company, Eindhoven, [erik@lammers-bauhuis.nl](mailto:erik@lammers-bauhuis.nl)  
Ir. Onno Eerenberg, Senior Scientist, Tridentmicro Europe BV; +31 880117740,  
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