

Personal Data

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Date of Birth March 7th, 1964 in Dublin (Ireland).
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**Objective**

As a person with a passion for engineering, I want to be a System Architect in an innovative, high tech organisation. I am looking to be part of a team of people who together create a stimulating environment. I want to work in an organisation whose decision-making is lead by a vision of where it wants to go and why with strategy, roadmaps and products to match. I want to part of an organisation that wants to be the best and wants to win where content is key and politics are kept to the necessary minimum.

I like challenges and since 2004 I have encountered the challenge of “fatherhood” next to all the great technical challenges I have been lucky enough to enjoy as well. I am striving to find a balance between all my challenges. I understand that work involves both the fun and less-fun tasks – the job needs to be got done - but would hope for a healthy balance between the two. At the same time, I am flexible and pragmatic, when it’s clear a change or a stop in a task or project make sense so that we can be successful then let’s do it.

People are fun and so I would love to be someone that stimulates and helps others to grow and have success too because we are win or lose together. I am naturally loyal and a bit of a die-hard so if I choose a challenge then it will be for the long haul.

Highlights

- Technical
 - Experience in defining, setting-up, and executing a Front-end program with business deliverables.
 - Broad experience of technical responsibility for business critical IC and system developments.
 - Architect of new and novel connectivity solutions in various technologies for lighting.
 - Architect of new and novel IC’s and (networked) systems, in multi-disciplinary teams.
 - 23 Published Patents (USP database), several pending (filed) or in progress (being prepared for filing).
- Projects/Organisation
 - Experience in planning and executing (research) assignments and projects.
 - Used to operating in dynamic, high-pressure, international, hi-tech environments.
 - Proven track record on getting the job done but also on delivery quality (structured solutions that work).
 - Experience of negotiating with and working with external parties (at technical level) as system partner and involving long-term relationships.
 - An Engineer who knows how to manage.
- Personal skills
 - Track record in entering new fields and becoming strong in them.
 - Think out of the box and maintain helicopter view.
 - Used to analyzing issues at many levels and solving them in different ways across different time-scales.
 - High motivation, good people skills
 - Experience in creating public demonstrations (often experimental) under pressure.
 - Experience in conference presentations, technical scouting trips and technical courses and training to staff.
 - Experienced in delivering a message to match the audience

Professional Experience [Most recent]

- 1/2/2006-present **Philips Lighting – LightLabs (pre-development)**
- 2010 – Present Function Owner Communications
- Responsibility
- Define content and control execution of the Front-end program for the communications function for Philips Lighting (ca 3mln€ program).
 - Worldwide Projects at Lighting pre-development and Philips Research.
 - Selected and manages core team (3 people) which
 - Delivers proposed program based on trend analysis and business input resulting in concrete proposals with estimate costs and resources.
 - Refines program with MT based on prioritisation and available budget.
 - Delivers staffing and deliverables list for projects and workpackages.
 - Once approved and defined, ensures success of execution phase by
 - Taking ownership to focus on program efficiency and business impact.
 - Monitor execution providing appropriate feedback to Management and business stakeholders on regular basis.
 - Look for opportunities for leverage both within program as well as with other programs projects and the external world.
 - Ensure relevant IPR generation & act in general as Philips Lighting connectivity advisor and strategist.
- Main Results:
- Successful series of projects in 2011 producing successes in among others:
 - Outdoor lighting control (Starsense RF) – networks of 4000+ nodes,
 - Zigbee Light Link for “sense and simple” home lighting,
 - Intelligent Luminaire Bus: Re-useable software and hardware architecture for addressing luminaire diversity based on common agreed command set, software bus framework and a number of segment specific but agreed hardware buses all linking to Software bus with common behaviour due to agreed intermediate driver layer for each Hardware bus case.
 - HDR (high data-rate) PLC (power-line control) for retrofit Luminaires
- 2006 - 2010 Senior system architect – focus on connectivity
- Responsibility
- System architecture for networked and standalone lighting control systems for various lightings domains. These lighting systems are based on LED and conventional lighting and comprise light sources, optics, mechanics, electronics and embedded software.
 - Creation and execution of (new) product and project proposals in an End-user driven process and acting as agent in transition from component to systems & solutions focus.
 - Patent Generation and Strategy, for connectivity area.
 - Technical part of supplier scouting and assessment team for Business group.
 - Support product development team during project development and product life-cycle.
 - Initially RF but broadened to wired, Powerline and Internet/Ethernet systems.
 - Support Risk analysis and development of mitigation strategies.
- Main Results:
- Delivered Living Colors as part of Home Segment Team.
 - Defined and created (delivered proof of concept) of RF based technology that underpins the Living Ambiance roll-out in Home segment and the future roadmap.
 - Improved connectivity quality (and robustness) for RF based lighting systems.
 - Delivered various prototypes (proof of concept) for Outdoor and Retail lighting
 - low-data rate RF systems and in high data rate (broadband) & low data rate (narrowband) power-line control.
 - Working prototypes aimed at creating Remote control and monitoring systems based on application distributed across Ethernet and internet.
 - Close cooperation built-up with departments in Europe, Australia, the USA and Asia.
 - Advisory role to MT. Co-trained new engineers and coached new system architects and contact network.

Professional Experience [Previous – summary – more detailed version available on request]**17/8/1997–31/1/2006 Philips Optical Storage – Emerging Technology and Systems**

2002 - 2006

Senior system architect

Responsibility:

- Overall system architecture (e.g. DVD and BD PC writer drives) with special responsibility for hardware. These CD, DVD and BD based optical and mechatronic systems comprise optics, mechanics, electronics and embedded firmware.

Main Results:

- Chief system architect for the worlds first DVD 16x PC drive which formed a major commercial success for Philips.

1998 - 2006

IC Architect for laser controller and driver IC's

Responsibility:

- IC architecture and functionality, and technical coordination across sites.
- Same responsibilities as system architect mentioned above but at IC level.

Main Results:

- PS LADIC (TZA1032), world's 1st integrated laser controller, write strategy generator and driver IC, used in Philips commercially successful DVD AV recorder.
- Adapted system to second external IC supplier successfully negotiating them as architect through the DVD writing speed race from 1x to 16x between 2001 and 2003.

1997 - 1999

System engineer for laser controller and driver function within DVDRW prototypes

Responsibility:

- Complete function at demonstrator and prototype level.
- First DVD+RW demonstration at IFA1999.

Main Results:

- Supported DVD+RW system from concept to introduction and gained knowledge.
- Experimental hardware used in successful demonstrations for the DVD+RW standard.
- Part of team (3) that gave first demonstration of DVD writing leading to DVD+RW.

1/9/1986–16/8/1997 Philips Research Laboratories (PRLE) – TV Systems Group

1992 – 1997

Research Engineer & Architect and team-leader in flat display projects

Responsibility:

- Design and architecture of experimental Zeus Flat TV system, research many issues.
- (IC) Architect, Team leader for the Zeus “Zerk” development team.

Main Results:

- Real-time video demonstrator for Zeus based on VSP IC's. Identified basic concept issues and proposed solutions. Real-time Display addressing method simulator.

1986 – 1992

Display Research Engineer

Responsibility:

- Investigate the feasibility of small-signal correction as replacement for expensive components in TV's and picture improvement technologies.

Main Results:

- Simulation software for video small signal pre-corrections.
- IFA 1991 (special customers) demonstration of 64kHz TV.
- PTV system with improved analogue and digital convergence.
- Prototype hi-res XRAY scan rendering Monitor
- Masters thesis (TUE 1991), Patents, presentations and PRLE reports.

Training**University (3rd level) Education**

1990 - 1991 Masters of Engineering at **TUE (Technical University of Eindhoven), The Netherlands.**
 Study: Ingenieur (Richting: Electrotechniek, Stroom: Regel- en Systeem-techniek);
 Final Project: "On the correction of geometry of the image displayed on a Cathode-Ray Tube (CRT)".

1982 - 1986 Bachelor of Engineering at **UCD (University College Dublin), Ireland.**
 Study: Bachelor of Engineering in electrical and electronic engineering;
 Final Project: "To construct a VHF Tuner with automatic retune facility for automobile applications".

Company and other training

More than 30 company or company related trainings in total (full list available on request), the key ones being:

Name of Course	When	Result	Institute
Master Class System Architecting (MC-SYSARCH)	2008-9	Certificate	CTT-I/ESI
Applied Optics	2005	Certificate	CTT-E&O
Embedded Systems Architect course	2001-02	Certificate & won practical project in group of 4	CTT-I/ESI
Control System Tuning course	1999	Certificate & won practical test in group of 2	CTT-ME (CFT SAQ)
Introduction to IC techniques (INTRO-IC)	1997-98	Certificate "Met Lof"	CTT-E
Ontwerp van snelle elektronischsystemen (FAST-ES)	1995-96	Certificate	CTT-E

Several personal trainings have been followed, the main ones being:

Name of Course	When	Result	Institute
Nederlands als tweede taal	1987-88	Certificates (Nederlandse Taalunie)	Avondcollege, Ehv
CKE – Theateroriëntatie, Vertellen 1 & 2	2001-04	7 public performances	CKE, Ehv

Publications

- LADIC IC (laser driver) Japanese Journal Applied Physics 2001.
- LADIC IC (laser driver) International Solid State Circuits Conference 2001.
- Ladic-CAV IC (laser driver) presentation, ICCE 2001, Los Angeles.
- Laconic IC (laser controller) presentation, ISOM 2002, Hawaii.
- Syllabus for Laser Driving Architecture & System Course (2001-2005).

Further Items

- Languages: Fluent: English (Native language), Irish, and Dutch. Fair: French.
- Professional and character references are available on request.
- Good awareness of cultural differences (both professional & private) through personal experience.
- Leadership experience - Cub-scout leader and summer-school teacher (IRL) and Dance club Chairman (NL).
- Social skills – people development.

Hobbies

- (Bi-lingual) Parenthood (!).
- Golf, Fitness (Spinning).
- Broad Technical awareness and engagement (Internet, member KIVI-NIRIA, member NERG).
- DIY (do-it-yourself).
- Opera and Theatre, plus Story-telling (in Dutch).