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Born the 22th may 1969
Nationality: European citizen
(Belgium & Luxembourg)
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Computing Science Engineer & Electronics Engineer

Education:

- 1987-1992: Study of "**ingénieur civil électricien**" at the Catholic University of Louvain (UCL).
Options: weak currents, achieved with "**Grande Distinction**" grade.
Thesis: "Conception et réalisation d'un dispositif de conversion sonore d'une image vidéo pour un prototype de prothèse visuelle"
- 1992-1994: Study of "**ingénieur civil en informatique**" at the Catholic University of Louvain (UCL).
Thesis: "Étude de faisabilité d'une architecture originale de processeur hautement parallèle, basée sur un matériel dynamiquement configurable." It's an original theoretical study on the direct and dynamic implementation of algorithms on hardware (FPGAs, ...)

Experience:

- 1994-1995: Team leader for the development of a generic telebanking module implementing security and telecommunications, including SIM-card based digital signatures (Multi-architectures solution in ANSI C/C++ DOS, OS/2, Windows, AIX Unix).
- 1995-1997: Various tasks in the AT&T group.
★ Developments in Pro-C and PL/SQL (Oracle) on Unix of large management applications for DG XXI (E.U.)
★ For AT&T UK, resolution of a long-term lasting architectural software issue between an Oracle RDBMS running on Vax/VMS and an IBM mainframe running on MVS
★ Development of a software development, test and delivery environment for AT&T Istel. Participation to the development, maintenance, test and delivery process of Taric II (E.U. D.G. XXI) project. Administration of the development infrastructure (Sun Solaris on Sparc and Intel, AIX on RS6000, NT on Intel, Linux on Intel)
★ In charge of the purchase process of hardware and software for AT&T Istel Belgium.
★ Design and deployment of the Internet software development network for AT&T EMEA head office (Brussels)
★ Implementation of the AT&T web hosting centre in Brussels
Trainings: "System administration" by the *Sun Institute* (Brussels).
"Network administration" by *Sun Institute* (Brussels).
Internet/Intranet security training, by *AT&T*.
Firewall by *Trusted Information Systems*.
Computers security tools by *Internet Security Systems*.
- 1997: Creation of "*Alti International*" as Delegated Administrator.
- 1998: Various missions for the E.U. in Luxembourg for ALTI Luxembourg (previously AT&T Luxembourg). Installation of the Oracle RDBMS on Solaris cluster at the European Accounting Court (Kirchberg).
Trainings: *Certification on Sun Clusters at Sun Institute* (Brussels, Belgium)
- 1998-2000: Various missions for Astra-Net.
★ In charge of the production IP network on satellite, including software platform and terrestrial contribution links.
★ Achievement and management of the Astra-net Autonomous System.
Trainings: BGP-4, by Cisco
Local Internet Registry training by RIPE.
- 2000-2001: SES-Astra: member of the R&D engineer team.
Technical coordinator of Astra bidirectional broadband project "BBI".
Work with the ISOC/IETF on the extensions of the TCP protocol for space.
Design of the next broadband bidirectional IP telecommunication system by satellite.
International missions (Australia, USA, ...)
Coordination and design of telecommunication projects developed by Nortel Networks and "*Fraunhofer Institut*" in Dallas, Texas
- 2001-2003: **Technical Director** of Intellicast S.A, responsible for design, achievement and management of production platforms in EMEA.
Design and deployment of the NilSat satellite broadcasting platform (Egypt)
Development for [ESA](#), Alcatel Space and [CNES](#) of a multimedia broadcasting platform by satellite to mobile receivers (highly parallel, real-time and embedded coding. Original protocol and FEC scheme). Design of a channel disturbance analyser and simulator.
Analyse of a business-model and system architecture of a European project around a DAB alternative to Sirius XM system for Europe.
Design of a European-wide solution for broadcasting of commercial offers (video and data) for a supermarket network, based on a mix of ISDN and Internet by satellite.

2003-2009:	Technical Director & administrator of Plan-Net s.a. Missions for Sun Microsystems (Luxembourg), European Investment Bank (Luxembourg), ... Design and deployment of an original solution for digital signage in movie theater networks. I.C.T. infrastructure design, management and maintenance of several tens of SME in Luxembourg.
2010-	Founder, co-owner, administrator and manager of Abil'I.T. Software and telecommunication infrastructures architect and adviser. Various projects around the assistance in soft migration of industrial or corporate I.C.T. infrastructures to OpenSource/Free Software solutions. World-wide coordination of the SCADA-LTS OpenSource project. Deployments, maintenance, migration of FOSS solutions in professional environments.

Publications, actions

Conferences	Embedded Software: Strategic issues (2002) Le Free Software en entreprise (2002) Le logiciel libre en entreprise (2005) Le modèle économique du Libre (2005) Belgique: l'Union était une farce (2009) QI et tests de QI (2022) L'expérience d'Alain Aspect, prix noble de physique (2022)
Articles	Informatique et dictatures La dislocation de la Belgique, expliquée aux Luxembourgeois (2007) Various articles in "Le Phénomensal", the Mensa newspaper.
Actions	Forced sales

Various:

Languages:	French (native language), Dutch (second language), English (fluent), German (passive).
Association memberships:	President of the Internet Society (Luxembourg chapter) Vice-president of the Luxembourg free software association LiLux. (http://lilux.lu) OpenProfessionals founding-member (http://openprofessionals.lu) Member and administrator of Mensa Luxembourg (http://mensa.lu) Member of Intertel , ...
Driving license:	A et B (all cars and motorbikes).
Other skills:	Blind typing with 10 fingers on French layout keyboard.
Interests:	Theoretical computing science, telecommunications, security and cryptography, open systems, Unix, Linux, free/OpenSource softwares, large-scale computing, quantum physics and quantum computers. Standardisation. Other interests on http://bfrere.net/interets_eng.html .