

RESUME

Emmanuel Richiardone - January 2017

personal data

Name

- ▶ Emmanuel Roberto-Richiardone

Birthdate

- ▶ 26th April 1981

Citizenship

- ▶ Italy, France and Canada

Official residence

- ▶ province of Turin, Italy

Phone number

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E-mail

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Language known

- ▶ English - read/written very well, spoken good (*PET certificate*)
- ▶ French - mother-tongue, very well
- ▶ Italian - everyday language, very well
- ▶ Spanish - base level (level A1 *CEFR*)

Inscription to the italian Engineer Register

- ▶ Engineer order of Province of Turin, number 11463X since 2009

Driving license

- ▶ European license B since 1999, A since 2011

Amateur radio license

- ▶ HAREC level A CEPT TR 61-02

education

- ▶ **2008** Qualification for italian national Engineer Register in ICT - Polytechnic of Turin
- ▶ **2004/2007** MSc in Computer Science Engineering specialization in Network Applications with a thesis on '*Software development for offline access to Wikipedia*' - Polytechnic of Turin
- ▶ **2000/2004** BSc Degree in Computer Science Engineering achieved with an essay untitled '*Microcontrollore 8051*' - Polytechnic of Turin
- ▶ **2000** High school finished at Liceo Scientifico M. Curie, Pinerolo TO, Italy
- ▶ **1994** Intermediary school at S. Lazzaro - Pinerolo TO, Italy
- ▶ **1990** Primary school at Lycee Claudel - Ottawa Canada

other courses

- ▶ **January 2016** Indroductive course about home automation - Domotica Undici
- ▶ **12-15 January 2016** Course in configuring and managing the Hytera TETRA Accessnet solution - Hytera Mobilfunk, Pinasca (TO)
- ▶ **November-December 2015** Course in technical consulting in civil and criminal italian judiciary - Beta Formazione
- ▶ **20-24 October 2015** Course about setup, configuration and management of the Hytera DMR Tier III trunking solution - Hytera Mobilfunk, Bad Munder (Hannover)

- ▶ **18-20 February 2015** Course about setup, configuration and management of the Sepura TETRA solution – Sepura/Frequentis, Wien
- ▶ **May - November 2012** Course in spanish language, base level, with validity with the *Common European Framework of Reference for Languages (CEFR)* – INFOR
- ▶ **October 2009** ICT security course SEaCURE.it – SecureNetwork, Milano
- ▶ **20-24 April 2009** Course about structure and management of the Motorola Tetra system Compact/Scalable Dimetra IP – Motorola, Berlin
- ▶ **25-27 May 2005** Course about Internet and law *iLaw 2005* - Fondazione Giovanni Agnelli, Torino Italy
- ▶ **22-27 June 1998** Course about Astronomy and Astrophysics at Astronomic Observatory of Pino Torinese, Torino Italy

skills

- ▶ deep knowledge about operating system FreeBSD (4.5 and above), Linux (2.2 and above) and UNIX (SCO OpenServer, Solaris) generally; MS-Windows NT4/2000/XP/7, MS-DOS
- ▶ C, Java; bases of C++, Assembler x86, MIPS 64bit, 8051, Visual C++/C#
- ▶ Python, shell scripting sh/bash/tcsh
- ▶ HTML/XML, PHP 4/5, JavaScript, CSS, PostgreSQL/MySQL/MSSQL
- ▶ deep knowledge of different levels and mechanism of data networks, both in wired area (Ethernet CSMA/CA, E1) and especially in wireless Bridges, Point to Multipoint and mobile radio (IEEE 802.11, HiperLAN, TETRA, DMR tier 1-3, licensed bridges), *routing* on private/public networks, multicast, VoIP, RoIP (Radio over IP)
- ▶ could easily design and manage geographical spread IP networks and backbone for PMR (Motorola, Hytera, Cisco, Cambium Networks, SIAE Microelettronica, Rohill, Sepura, RadioActivity, Patton, BOSCH Telex, HP)
- ▶ good knowledge in development of appliance and embedded GNU/Linux and FreeBSD based
- ▶ very focused in system and network security

work experiences

- ▶ since **2016**, employ as ICT and PMR Senior Engineer at Antares Elettronica and Technical Director of Anthares ES, focusing on design and consultancy of mobile and fixed network infrastructures
- ▶ **2012-2016**, following a new company strategy of BPG Radiocomunicazioni, focused in design and configuration of telecommunication infrastructures (DMR tier I-III, TETRA, wireless WiFi/HiperLAN, geographical computer networks), system integration and development of RoIP appliance
- ▶ since september **2011**, allowed by the italian regulatory D.M. 314 1992 to design publicly attached telecommunication networks
- ▶ **2008-2012** employment as “*ICT, Wireless & Network System Manager*” at BPG Radiocomunicazioni - Pinasca TO with tasks in designing and system integration of local and geographic networks, mainly wireless Motorola. Occasionally develops microcontroller firmwares
- ▶ **2006** Work done at E3C s.r.l. - Colletterto Giacosa, Turin Italy, for the development of software services for blind people based on GNU/Linux system
- ▶ **2005/2007** Part time at the Polytechnic of Turin for:
 - porting over a DVD the free encyclopedia it.wikipedia.org as part of *open@polito* project
 - installation and maintaining of FreeBSD system (included an embedded x86)

- ▶ **2005** Part time at the Polytechnic of Turin for teaching assistance in laboratory of C programming and building of web project with HTML, PHP and MySQL
- ▶ **2004/2005** Installation, setting and support of SCO OpenServer servers at TNS Infratest - Milan for AlfaLayer S.R.L. - Turin, Italy
- ▶ **2004** Work at AlfaLayer S.R.L - Turin for a GNU/Linux server configuration
- ▶ **2003** Services at Consorzio ACEA - Pinerolo, Turin in an advertising campaign

activities

- ▶ Occasionally offers consulting in computing area with legal validity
- ▶ Ancient member of association *NetStudent* (<http://netstudent.polito.it/>) located at Polytechnic of Turin, that manages services for students and sets events like:
 - speeches about free software with presence of Richard Stallman and Italian personalities in the Internet law field
 - the Turin Linux Day
- ▶ In the Netstudent context, since 2006 promotes and teach in the *corso base GNU/Linux*, every year at the Politechnic of Turin
- ▶ Also, since 2009 promotes and teach in the *corso GNU/Linux avanzato e tecnologie aperte*, every year at the Politechnic of Turin
- ▶ Interested in all about the networking world wired and wireless, at software and hardware level, with care about computer security aspects.
- ▶ Follow since version 4.5 the development and peculiar features of the FreeBSD operating system.

hobbies

- ▶ Enjoys DSLR photography and hard rock/metal music
- ▶ Retrocomputing (happy owner of a Sony NeWS and a VAXStation 4000)