RESUME

Emmanuel Roberto-Richiardone – March 2020

dati personali

Name
- ▸ Emmanuel Roberto-Richiardone

Birthdate
- ▸ 26 April 1981

Citizenship
- ▸ Italiy, France and Canada

Residence
- ▸ province of Turin, Italy

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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 *'8051 Microcontroller'* - Polytechnic of Turin, Italy
- ▸ **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

additional courses

- ▸ **2020** Quality and costs of (none) quality: evaluating company efficiency and tools for prevision - Ordine degli Ingegneri di Torino
- ▸ **2019** Videosurveillance and Privacy. Technologies, GDPR, TVCC - Ordine degli Ingegneri di Torino
- ▸ **2016** Training about microwave Integra solutions – SAF Tehnika (Riga)
- ▸ **2016** Indroductive course about home automation – Domotica Undici
- ▸ **2016** Training in configuring and managing the Hytera TETRA Accessnet solution – Hytera Mobilfunk
- ▸ **2015** Course in technical consulting in civil and criminal italian judiciary – Beta Formazione
- ▸ **2015** Course about setup, configuration and management of the Hytera DMR Tier III trunking

solution – Hytera Mobilfunk, Bad Munder (Hannover)

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

skills

- ▸ Meticulous and inventive, enjoys solving technical matters and finding innovative solutions
- ▸ Deep knowledge of different levels and mechanism of voice and data networks, in the wireless mobile radio, PTP bridges and point to multipoint (TETRA, DMR tier II-III, licensed wireless bridges, IEEE 802.11, HiperLAN), in wired area (Ethernet CSMA/CA, E1), in TCP/IP suite protocols and routing on private/public networks, Radio over IP, multicast, VoIP
- ▸ Could easily design and manage geographical spread IP networks and backbone for PMR (Motorola Solutions, Hytera, Kenwood, Cisco, Cambium Networks, SAF Tehnika, SIAE Microelettronica, Rohill, Sepura, RadioActivity, Patton, BOSCH Telex, HP)
- ▸ Good knowledge in development of appliance and embedded IoT based on GNU/Linux and FreeBSD based
- ▸ Very focused in system and network security
- ▸ Deep knowledge about operating system FreeBSD, GNU/Linux and UNIX (SCO OpenServer, Solaris) generally; MS-Windows, MS-DOS
- ▸ C, Java; bases of C++, Assembler x86, MIPS 64bit, 8051, C#
- ▸ Python, shell scripting sh/bash/tcsh
- ▸ HTML 4, PHP, JavaScript, CSS, PostgreSQL/MySQL/MSSQL
- ▸ Good knowledge of telecom instruments on field and in laboratory, for example spectrum and network analyzer, oscilloscope, wattmeter, LAN tester for diagnostic of radiating systems, cables, filters

work experiences

- ▸ since **2016**, employment as "*PMR & ICT Senior Engineer*" at Antares Elettronica – Bollate (MI) and "*Technical Director*" at Anthares ES, focusing on pre-sales, design and installation management of mobile radio networks with DMR, TETRA and P25 technologies (Motorola Solutions and Kenwood brands); follows microwave bridges pre-sales and design; development of RoIP appliance
- ▸ **2012-2016**, following a new company strategy of BPG Radiocomunicazioni, focused in design and configuration of telecommunication infrastructures (DMR tier II-III, TETRA, wireless WiFi/HiperLAN, geographical computer networks) with Hytera and Motorola Solutions brands; system integration and development of RoIP appliance
- ▸ since september **2011**, allowed by the italian regulatory D.M. 314 1992 to design publicly attached telecomunication 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. - Colleretto 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 DEC VAXStation 4000)