PERSONAL INFORMATION

Gloria Vuagnin

xxxxxxxx

+39 xxxxx +39 xxxxx

xxxxx

Sex Female | *Date of birth* 27/11/1965 | *Nationality* Italian

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☒ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

November 2016 - Present

Network Innovation Engineer – Optics Specialist

GARR the Italian NREN – Infrastructure Department

In the GARR task Force for the Network Evolution, I was mainly involved in area of Optical Network: Open Line System (OLS) solutions, Data Centre Interconnection (DCI) and Next Generation Architecture. I was one of the main designers of the new GARR-T project and I'm currently leading one of its working packages: WP1 that is dealing with the deployment of the optical fibre infrastructure and the site preparation for the housing of the new Networking equipment.

Network Engineer, Network Designer, Evolution Planning, Organization and leading, Technical tender writing and evaluation for government-funded projects (up to 13M €)

September 2014 – November 2016

Design and Evolution Planning Network Engineer

GARR the Italian NREN – Network Department

Involved in the design of GARR-X Progress Network, my first responsibility was on defining the technical aspects for issuing the tenders for the provision of optical fibres, IP/MPLS and DWDM equipment. Then I followed the deployment of the acquired infrastructure. I studied and promoted the implementation of Alien Wavelengths on a testbed and in the operational network, bringing the solution at the mature level to be adopted on GARR Network.

Network Engineer, Optics Specialist, Network design, Evolution planning, Technical tender writing and evaluation for government-funded projects.

April 2011 – September 2014

Optical network Design Engineer

GARR the Italian NREN – Network Department

DWDM solution specialist. Optical Service Design and Provisioning Expert

Network Engineer, Optics Specialist

January 2003 – April 2011

DB Manager – Software Developer

GARR the Italian NREN – sw.dev team, Network Department

Designer, developer and manager of the first GARR Information System

Software development, MySQL, software architecture

EDUCATION AND TRAINING

November 2000 – January 2003

Junior Research Assistant
INFN (Istituto Nazionale Fisica Nucleare)
High Energy Physics, BaBar Experiment, Data analysis, simulation

November 1998 - November 2000

POST-DOC
University of Trieste – Italy
High Energy Physics, BaBar experiment, Data analysis

March 1995 - November 1998

PHD Student
University of Trieste – Italy
High Energy Physics, BaBar Experiment, Simulation

March 1994 - March 1995

Technical Student
CERN Fellowship – Geneva Switzerland
Accelerator Physics department

February 1994

Master degree in Physics
University of Trieste - Italy
Proton extraction from the CERN SPS using a bent Crystal

PERSONAL SKILLS

Mother tongue(s): ITALIAN

Other language(s)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	B2	C1	B2	B2	B1
FRENCH	C1	C1	C1	B2	A2

Job-related skills: Responsibility, Teamwork, Problem-solving

Digital skills: Microsoft Office, Linux

Other skills: Creativity, People skills

ADDITIONAL INFORMATION

Publications

[1] Paolo Bolletta, **Massimo Carboni**, Andrea Di Peo, Americo Gervasi, Lorenzo Puccio, and Gloria Vuagnin. “Alien wavelength technique to enhance garr optical network”. In: *CoRR* abs/1805.05811 (2018). arXiv: 1805.05811. URL: http://arxiv.org/abs/1805.05811.
[2] Paolo Bolletta, Massimo Carboni, and **Gloria Vuagnin**. *Field Trial of*

Alien Wavelengths on GARR Optical Network. 2018. arXiv: 1805.04278 [eess.SP].
[3] Paolo Bolletta, Massimo Carboni, and **Gloria Vuagnin**. “Field Trial of Alien Wavelengths on GARR Optical Network”. In: (Apr. 2018). [Paper Accepted] 2018 41*st* International Conference on Telecommunications and Signal Processing.
[4] P. Bolletta, M. Campanella, M. Carboni, F. Farina, G. Viola, S. Visconti, and **G. Vuagnin**. “Considering The Next Generation of the GARR Network”. In: (May 2017).
[5] G.Vuagnin “Measurement of sin(2β) with BaBar” DOI:10.1007/3-540-36539-7_51 In book: Particle Physics in the New Millennium (pp.543-549).
[6] G.Vuagnin “B decays to D_s(*) and D*” 30th International Conference on High Energy Physics High Energy Physics Vols I and II pp 851-853 (2001).
[7] K,Elsener et al. “Proton extraction from the CERN SPS using bent silicon crystals” Nuclear Instruments & Methods in Physics Research Section B 119 (1-2) pp. 215-230 (Oct 1996).
[8] L.Lanceri, G.Vuagnin “A scintillating-fiber hodoscope with multianode photomultiplier readout” Nuclear Instruments & Methods in Physics Research Section A 357 (1) pp. 87-94 (April 1995).

Dissemination Activities

[1] GARR news n. 23 2020 Nella tana del Bianconiglio con le lambda aliene
[2] GARR News n.14 2016 Alieni: nostri alleati sulla rete ottica.
[3] Connect n.23 2016 – Aliens: Our Allies on the Optical Network
[4] GARR News n.25 2021 - Capacità su misura con lo Spectrum Connection Service

Roma, January 31, 2022

Gloria Vuagnin