

Curriculum Vitae

Vittorio Tamburini

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Personal information

Place and date of birth: Genoa, Italy, 3rd Oct. 1964

Marital status: married, two children

Nationality: Italian

Education and abilitation

- 1997 Qualified Expert for Radiation Protection , III degree habilitation num. 356 for any kind of radioactive source, neutron sources and nuclear power plants. Ministry of Work, Roma, Italy.
- 1991 Degree in Physics at Genoa University, Italy. Thesis on the feasibility of a nuclear fusion collider in collaboration with Ansaldo S.p.A. Period of the thesis at Rutherford Appleton Laboratories under the mentorship of Prof. J.D.Lawson.

Training/professional courses

- Nov 2015 "Forum di Radioprotezione" – course organized by ANPEQ in Ortisei (BZ).
- Nov 2012 "Forum di Radioprotezione" – course organized by ANPEQ in Ortisei (BZ).
- Nov 2009 "Forum di Radioprotezione" – course organized by ANPEQ in Ortisei (BZ).
- Nov 2007 "Forum di Radioprotezione" – course organized by ANPEQ in Ortisei (BZ).
- Nov 2005 "Forum di Radioprotezione" – course organized by ANPEQ in Ortisei (BZ).
- Nov 2003 "Forum di Radioprotezione" – course organized by ANPEQ in Ortisei (BZ).
- Sep 2002 "RSPP Training" – course for Safety and Protection of Workers Organized by ASSINDUSTRIA in Genova (I).
- Dec 2001 "Radiological Emergencies" – course organized by Ministry of Health and ISPESL in Rome (I).
- Apr 2000 "MCNP Advanced Training" – course organized by Imperial College in London (UK).
- Apr 1999 "Introduction to MCNP" –course organized by NRG in Petten (NL).

Languages

Italian.

English: fluent.

Russian: little.

French: little.

National professional experience

- 2014-present Senior Physicist and CEO of Navtec Sas. Qualified Expert for Radiation Protection of 28 Companies among which: Airport of Genoa, Boston Scientific, GNV, Hitachi, Solvay.
- 2000-2014 Senior Physicist and CEO of RxTec Sas. Qualified Expert for Radiation Protection of 15 Companies among which: Boston Scientific, GNV, Nippon Yusen Kaisha, Thales Alenia Space
- 1997-2000 Physicist consultant and Radiation Safety Officer at Emo Centro Cuore Columbus, Milan for cardiovascular Brachytherapy (Cathlab Physicist, radiation dosimetry and simulation, catheters testing and compatibility, Radiation Safety Officer).
- 1997-1999 Professional Physicist in the Biophysics Laboratory of National Institute for Cancer Research of Genova. (Radiation Protection, radiotherapy, Brachytherapy, first dosimetry of accelerators, Total Body Irradiation Physics supervising).
- 1996 Managing Physicist in the Nuclear Medicine Dept. of the National Cancer Institute of Genoa. (Radiotherapy, Brachytherapy, dosimetry of accelerators, Total Body Irradiation Physics supervising).
- 1991-1996 I.N.F.N. (National Institute for Nuclear Physics) associate researcher in group V - Genova - Member of the working group "The TERA collaboration", design of a Protosincrotron for hadrotherapy, techniques of spin polarization in particle beams, Physics Degree supervisor.

International professional experience

2006	ESA AO/2-1549/06/NL/HE of the "ENSaF" (European Safety Plan for Nuclear Power Sources in Space) program of the European Space Agency with Areva TA, Alenia Spazio, EADS and other partners.
2004-2006	Participant to the Italy-Belarus "BIELO" project with ENEA, Nucleco SpA, Sogin SpA
2003-2004	ESA A04330 "REMSIM" (Radiation Exposure and Mission Strategies for Interplanetary Manned Missions) project with Alenia Spazio, Bira, EADS Astrium and REM Oxford
2000-2007	REM Oxford Ltd. (UK) partner in developing RADFET dosimeters.
2000-2002	European Trainer in Radiation Protection and operational safety of the GALILEO® System at Guidant Corp. Brussels Cardiovascular Institute (B).
1999-2000	Member of the EVA-GEC ESTRO working group for the definition of European guidelines on Vascular Brachytherapy. Brussels (B)
1999-2000	MCNP simulations of radioactive sources at N.I.S.T. (USA)
1997	Technical experiments for cardiovascular brachytherapy sources at Nucletron B.V. (NL)
1995-1996	Experience at C.E.R.N. for radiation protection of particle accelerators.
1991	Experience at R.A.L. (UK) for the Thesis in Physics with Prof. J.D.Lawson.

Training skills

Radiation Protection trainer of thousands workers exposed to radiation (MDs, Nurses, Product Specialists, Security Officers, Firemen, Technicians etc.)

Scientific activity

Conferences: Participation to 25 conferences on radiation protection, radiation effects, radiotherapy, radiation emergencies, etc.

Publications: 12 technical reports and 21 scientific articles on dedicated journals, conference/workshop among them:

Publications on refereed journals

Evaluation of radiation effects and dose thresholds definition in the REMSIM study, in [ESA/ISGP Joint Life Science Conf. Proc.](#), Cologne, 2005

Radiation Exposure and Mission Strategies for Interplanetary Manned Missions (REMSIM), in "[Earth, Moon and Planets](#)" Vol. 94 (3-4), Springer, 2004, p. 167-285.

Intravascular ultrasound based dose assessment in endovascular brachytherapy, in "[Radiotherapy and Oncology](#)" Vol. 68 (2), Elsevier, 2003, p. 199-206.

Reccomendations of the EVA GEC ESTRO Working Group: prescribing, recording and reporting in endovascular Brachytherapy. Quality assurance, equipment personnel and education. In "[Radiotherapy and Oncology](#)" Vol 59, Elsevier, 2001,p. 339-360

Application in Radiotherapy of an interactive segmentation system (I.O.G.A.) In [Medical & Biological Engineering & Computing](#) – Vol 35, Springer, s. 3 1997.

"EvTool: a system to evaluate the quality of radiotherapeutic treatment plans". In [Medical & Biological Engineering & Computing](#) – Vol 35, Springer, s. 2 1997.