

## CURRICULUM VITAE



### PERSONAL INFORMATION

Surname	BIANCO
First name	GENNARO
Year of birth	1950
Nationality	Italian

### WORK EXPERIENCE

- |                                    |  |
|------------------------------------|--|
| • From 1988 to 2018                | <b>Confirmed associate professor – retired from 1 Novembre 2018</b>  |
| From 1985 to 1988                  | Associate professor  |
| From 1978 to 1985                  | Assistant professor  |
| From 1976 to 1978                  | Scholarship holder   |
| • Name and address of employer     | MIUR - Ministero dell'Università e della Ricerca Scientifica (Ministry of Education, University and Scientific Research)- Rome, Italy  |
| • Type of company or sector        | POLITECNICO DI TORINO – ex Faculty of Engineering  |
| • Type of employment               | Professor and researcher   |
| • Main duties and responsibilities | The teaching of: <ul style="list-style-type: none"><li>• <i>Complementi di Idraulica</i> (Additional hydraulics) for the Degree course in Civil Engineering in Hydraulics from 1985 to 2018;</li><li>• <i>Idraulica</i> (Hydraulics) for the Degree course in Civil Engineering from 1997 to 2008;</li><li>• <i>Idraulica</i> (Hydraulics) for the Degree course in Construction Engineering from 1993 to 1997;</li><li>• <i>Sistemazioni Idrauliche</i> (Hydraulic Management) for the University diploma course in Infrastructure Engineering from 1996 to 1999;</li><li>• <i>Approvvigionamento e gestione delle risorse idriche</i> (Supply and management of water resources) for the European Master course in Environmental Engineering from 1993 to 1995;</li><li>• <i>Idraulica Ambientale</i> (Environmental Hydraulics) for the European master course in Environmental Engineering from 1995 to 1999;</li><li>• Member of the Academic Board of the <b>Ph.D.</b> in Hydraulic Engineering of the Turin-Bologna-Milan-Pavia consortium headquarters, as well as tutor of PhD students;</li><li>• Co-holder of the course in Fluid Mechanics for the students of the Degree course in Mechanical Engineering from 2013 -2014 to 2017-2018.</li></ul> |

Holder of the teaching course in ***Hyperconcentrated flows and debris streams*** and of the course in ***Physical models in hydraulic engineering*** (III level courses) for the Ph.D students in Civil and Environmental Engineering at the Politecnico di Torino;

- **In charge of the teaching of Hydraulics for the Master's Degree course in Strategic and Military Sciences for the following academic year: 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023.** Supervisor of more than one hundred degree theses (**twenty-one of which were developed by lieutenants of the Military Engineering Corps**) and of three Ph.D theses in Hydraulic Engineering.

Professor. Bianco's research activity was centred on the main themes of Hydraulics and Hydraulic Construction. His research was conducted in the field of fluid mechanics, including Hydraulics, in the applicative field of the aforementioned disciplines, with particular attention to bi-phase currents made up of water and solid material.

Author of about one hundred scientific publications (see <http://porto.polito.it> - PORTO@Iris). He collaborated with numerous public and private research organisations in Italy and abroad.

He was coordinator of the National Research Programme on Hydrological and Hydraulic Problems and in charge of European Research Programmes, the latter of which were related to the defence of inhabited mountainous areas from debris flows and the defence of urban areas from flooding phenomena.

He was **supervisor of numerous conferences** on topics related to the hydraulic defence of the territory, the management and maintenance of natural watercourses, reservoirs for the storage of water for various uses with particular attention to small reservoirs for agricultural purposes, and related to territorial and environmental problems concerning the creation of new reservoirs.

He is recognised as an **expert** in questions related to the transport of solid bodies in water flows and debris flows in mountainous and hilly environments, as well as in hydraulic problems relative to the removal of inert materials from natural watercourses and floodplains.

He has recently been **in charge of** research contracts with the Regione Piemonte relative to the morphological monitoring of natural watercourses.

He is an **expert** in hydraulic forestry management for the Provincia di Torino in the Conferenza dei Servizi per l'istruttoria (Conference of Investigation Services) pertaining to quarries, following the **appointment decree** of the President of the Provincia di Torino dated 16-11-2001.

He was a **member** of the Commissione Regionale Tecnico-Consultiva (Regional Technical-Advisory Commission) for Quarries and Peatlands, from 1995 to 2000, in the role of "Expert in hydraulic forestry management", following the **appointment decree** of the President of the Regional Council of Piedmont n° 4322/1995.

**Member** of the work group at the Hydraulics Department concerning technical-scientific support on problems related to land conservation for the Provincia di Torino.

**Member** of the work group, set up by Agenzia 2006, pertaining to the examination of projects relative to the construction of the Olympic infrastructures.

Until 2020, he was **President** of the Liguria, Piedmont, and Aosta Valley Section of the Italian Hydrotechnical Association.

**From the 2008-2009 academic year until the 2012-2013 one, he was Vice-president of the 1<sup>st</sup> Faculty of Engineering at the Politecnico di Torino pertaining to laboratory didactic activities.**

On 12 April 2018, he was nominated “**Corresponding member**” of the **Accademia di Agricoltura di Torino** (Agricultural Academy of Turin).

#### EDUCATION AND TRAINING

- From 1969 to 2013  
• Name and type of educational or training institution  
Scientific and technical studies  
University – Faculty of Engineering -Politecnico di Torino
- Main topics / professional ability of the studies  
Researcher in fluid mechanics and in theoretical and applied hydraulics
- Consigned qualification  
• Level in national classification (where applicable)  
Associate Professor

#### PERSONAL SKILLS AND COMPETENCES

***Acquired throughout ones life and ones career but not necessarily recognised or certified by official diplomas.***

#### PILOT OF RECREATIONAL VESSELS

Caring of the elderly

#### NATIVE LANGUAGE

**Italian**

#### OTHER LANGUAGES

##### ENGLISH

- Reading skills  
FAIR
- Writing skills  
FAIR
- Oral expression skills  
FAIR

##### FRENCH

- Reading skills  
GOOD
- writing skills  
GOOD
- Oral expression skills  
GOOD

#### OTHER SKILLS AND COMPETENCES

*Competences not previously indicated.*

Good manual capacity to work with wood and iron/ steel materials, and with the materials normally utilised in civil construction – useful for the construction of physical hydraulic models in hydraulic laboratories.

#### DRIVING LICENCE

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#### FURTHER INFORMATION

31 august 2023

SIGNED

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The treatment of personal data is hereby authorised in accordance with what is indicated in Legislative

Decree no. 196/03 and subsequent amendments. In compliance with art. 10 of Law.31/12/1996 no. 675 (article. 48 Presidential Decree no.445/00), the undersigned declares, under its own responsibility, that what is reported in this curriculum corresponds to the truth.

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