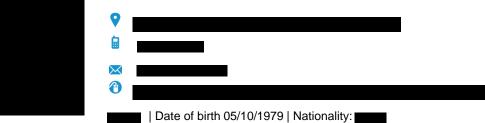
#### **Curriculum Vitae**

# PERSONAL INFORMATION BRINDESI CANALI CARLO



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

since Jaunuary 2022

## Technologist



IIT – Istituto Italiano di Tecnologia Genova (industrial Facility) Coordination and project managing of research and development projects in the field of automation, industrial robotics and inspection robotics Activity: Research and development, automation and robotics 01/02/2017 - 31/12/ 2021

## Researcher

IIT - Istituto Italiano di Tecnologia Genova (ADVR Advanced Robotics)

Coordination and project managing of research and development projects in the field of automation, industrial robotics and inspection robotics. I coordinate a team of 6/8 researchers for the development of innovative robotics and automation solutions and research projects in collaboration with multinational companies, managing an annual budget of around € 1M Activity: Research and development, automation and robotics

### 01/04/2013 - 28/02/2017 Postdoctoral Researcher

IIT – Istituto Italiano di Tecnologia Genova (Dipartimento ADVR Advanced Robotics)

Design, development, and integration of advanced robotics systems for research and development in areas of industrial automation, I dealt with electronics, sensors and control systems.

Activity: Research and development, automation and robotics

01/05/2011 - 30/03/2013



01/05/2009 - 30/04/2011



## **Postdoctoral Researcher**

CERN - The European Organization for Nuclear Research – <u>www.cern.ch</u> e University Of Zurich Rämistrasse 71, 8006 Zurich, Switzerland

Responsible for the design, construction and testing of the reading electronics of a sparkling fiber anti-hydrogen detector

Activity Electronics, nuclear physics

### **Postdoctoral Researcher**

Università Degli Studi di Genova / INFN Istituto Nazionale Fisica Nucleare Sez. Genova

Responsible for the development and testing of real-time control systems based on LabView RT, design and construction of custom electronics based on FPGA for particle manipulation.



01/02/2008 – 30/04/2009 Postdoctoral Researcher

MAX-PLANCK-INSTITUT FÜR KERNPHYSIK HEIDELBERG	<ul> <li>Max Planck Institute for Nuclear Physics, Heidelberg Germany (Saupfercheckweg 1, 69117 Heidelberg, Germany)</li> <li>Responsible for the realization of the electronics and of the control systems and data acquisition in experimental setup for atomic physics.</li> <li>Activity Electronics, nuclear physics</li> <li><b>Teaching Doctoral Courses</b> Università degli studi di Genova Teacher of the PhD course "Data Acquisition and Data Analysis Methods"</li> </ul>	
2018, 2019, 2021		
2014, 2015	International teaching SYSU Summer School, Sun Yat Sen university Zhuai campus, China M echatronics and electronics, invited teacher / summer school	
EDUCATION AND TRAINING		
January 2005 – December 2008	PhD in Physics	
	Università Degli Studi Di Genova	
July 2004	Laurea in Fisica (Master in Physics) votazione di 110/110	
	Università Degli Studi Di Genova	
July 1998	Diploma di Maturità Scientifica	
PERSONAL SKILLS	Liceo E. Fermi Genova Votazione: 60/60	
Mother tongue	Italian	
Other Languages	English – B2	
Job-related skills	Project management Electronics design and test, LabView / LabView RT / Data Acquisition VHDL/Programmazione FPGA, Microcontrollers/DSP, Bus di comunicazione / interface: RS232, RS485, CANopen, SPI, I2C, Altium Designer 10 / OrCad Industrial robot programming, C/C++, Analisi Dati Basic knoledges in mechanical design PTC CREO, CAD.	
Project Management skills	<ul> <li>I've coordinated several projects in the field of robotics, R&amp;D, automation.</li> <li>Master Project Management - Basic Level, II Sole 24h Business School</li> <li>leadership, I am currently in charge of a team of 6 people</li> <li>team building, helping people to work together in a peaceful environment is my priority</li> <li>mediation skills.</li> </ul>	
ADDITIONAL INFORMATION		
Projects	Technical responsible of R&D industrial projects: – AVIO aero: design of a robotic assembly cell for aerospace components – AVIO aero: design of a robotic endoscope system for oil duct inspection – AUTORECON: design of reconfigurable grippers for automotive Principal Investigator of Ansaldo-IIT project C3DO – Principal Investigator of Luxottica-IIT project SmartVision – Principal Investigator of Ansaldo-IIT project IDLIR	
Publications		
Collaborations	more than 70 publications in relevant international journals and proceedings, h-index: 17 industrial projects in collaboration with: Ansaldo Energia, Avio Aero, Luxottica, INAIL, Associazione Festival della Scienza, Master thesis supervisor (Università Degli Studi di Genova, Università Politecnica delle Marche, Politecnico di Torino, INFN - Istituto Nazionale Fisica Nucleare)	

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV