

PERSONAL INFORMATION



BRINDESI CANALI CARLO

[Redacted]  
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 [Redacted] | Date of birth 05/10/1979 | Nationality: [Redacted]

| Enterprise   | University   | EPR   |
|--|--|---|
| <input type="checkbox"/> Management Level                | <input type="checkbox"/> Full professor  | <input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist |
| <input checked="" type="checkbox"/> Mid-Management Level | <input type="checkbox"/> Associate Professor   | <input type="checkbox"/> Level III Researcher and Technologist  |
| <input type="checkbox"/> Employee / worker level         | <input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator | <input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator            |

WORK EXPERIENCE

since January 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



**Postdoctoral Researcher**

CERN - The European Organization for Nuclear Research – [www.cern.ch](http://www.cern.ch) 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

01/05/2009 – 30/04/2011



**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 Institute for Nuclear Physics, Heidelberg Germany (Saupfercheckweg 1, 69117 Heidelberg, Germany)*

Responsible for the realization of the electronics and of the control systems and data acquisition in experimental setup for atomic physics.

Activity Electronics, nuclear physics

2018, 2019, 2021

## Teaching Doctoral Courses

*Università degli studi di Genova*

Teacher of the PhD course “Data Acquisition and Data Analysis Methods”

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

*Liceo E. Fermi Genova Votazione: 60/60*

## PERSONAL SKILLS

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 knowledges in mechanical design PTC CREO, CAD.

Project Management skills

I've coordinated several projects in the field of robotics, R&D, automation.

- Master Project Management - Basic Level, Il Sole 24h Business School
- leadership, I am currently in charge of a team of 6 people
- team building, helping people to work together in a peaceful environment is my priority
- mediation skills.

## 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

more than 70 publications in relevant international journals and proceedings,

h-index: 17

Collaborations

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

Genova 10/05/2024

