PERSONAL INFORMATION

PAOLO MUSICO

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Paolo.Musico@ge.infn.it

Sex Male | *Date of birth* 28/10/1964 | *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

16/12/2005 – today

Second Level Technologist at INFN Genova

- Responsible of Electronic Design Workshop personnel
- Management of local CAE-CAD software portfolio
- Development of data acquisition systems for physics research
- Collaboration with Genova University in teaching electronics at degree and phd courses

Business or sector Public Research Institution

7/1/1992 – 15/12/2005

Third Level Technologist at INFN Genova

- Responsible of Electronic Design Workshop since 1994
- Development of large number of electronic systems for data acquisition

Business or sector Public Research Institution

1/9/1989 – 6/1/1992

Engineer at Marconi Italiana SpA in Genova

- R&D of telephone and data switching digital systems

Business or sector Telecom

EDUCATION AND TRAINING

1983 – 1989

Degree in Electronic Engineering

Five years course at Genova University

- Thesis degree in June 1989
- Esame di stato in November 1989

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) Very good English (read, spoken, written), basic French

Job-related skills Electronics design knowledge (analog and digital);
Electronics manufacturing processes knowledge;

ASIC design;
programming: C, C++, Verilog, VHDL

Higher Education & Training skills — Teaching at Physics Department of University of Genova in master degree and phd courses

ADDITIONAL INFORMATION

Projects — CLEANDEM EU project

Publications

1. *"The CLAS12 Ring Imaging Cherenkov detector"*, NIM-A (2020) Volume 964, doi: 10.1016/j.nima.2020.163791
2. *"KM3NeT front-end and readout electronics system: hardware, firmware, and software"*, J. Astron. Telesc. Instrum. Syst. 5(4), 046001 (2019), doi: 10.1117/1.JATIS.5.4.046001
3. *"The CLAS12 Forward Tagger"*, NIM-A, 2020 Volume 959, doi: 10.1016/j.nima.2020.163475
4. *"Characterization of three GEM chambers for the SBS front tracker at JLab Hall A"*, RADIAT EFF DEFECT S (2018) Volume 173 Issue 9-10, doi: 10.1080/10420150.2018.1528607
5. *"A low cost, high speed, multichannel analog to digital converter board"*, NIM-A (2019) Volume 936, doi: 10.1016/j.nima.2018.08.110
6. *"Front-end electronic system for large area photomultipliers readout",* NIM-A (2019) Volume 936, doi: 10.1016/j.nima.2018.08.109
7. *"KM3NeT Front-end electronics upgrade: CLBv3 and PBv3"*, ICRC2017 Bexco, Busan, (South Korea) July 10-20 2017 and PoS(ICRC2017)1004, doi: 10.22323/1.301.1004
8. *"The Endo-Rectal probe prototype for the TOPEM project"*, poster presentation at "13th Pisa Meeting on Advanced Detectors", La Biodola, Isola d'Elba (I), May 24 - 30 2015, NIM-A, A 824 (2016), pp. 218-219, DOI: 10.1016/j.nima.2015.10.088
9. *"Characterization of Large GEM Module for the Tracker at Jlab Hall A"*, EPJ Web Conf. 96 (2015) 01023, DOI: 10.1051/epjconf/20159601023
10. *"The electronic system for a TOF PET prostate probe"*, poster presentation at "IEEE NSS-MIC 2011", Valencia (E), 23-29 October 2011, doi: 10.1109/NSSMIC.2011.6152662

Genova, 16 February 2022