

PERSONAL INFORMATION

Massimiliano Porzio

 Via Fenoglio 29/D, 12100 Cuneo (CN) - Italy

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 [ORCID 0000-0001-5174-0285](https://orcid.org/0000-0001-5174-0285)

Gender Male | Date of birth 25 February 1978 | Nationality Italian

POSITION **Medical Physics Expert**

WORK EXPERIENCE

September 2018 – Present **Medical Physics Expert**

ASL CN1

Via C. Boggio, 12, 12100 Cuneo (CN), Italy

- Dosimetric evaluations
- Acceptance tests, Quality Assurance and Quality Controls for Digital Radiography Unit (DR, fluoroscopic systems, CT, Mammography and DBT)
- Dose optimization
- Automation of quality controls for digital mammography and digital breast tomosynthesis units

April 2011 – September 2018 **Medical Physicist**

ASL 1 Imperiese

Via Aurelia Ponente, 97, 18038 Sanremo (IM), Italy

- Quality Assurance and Quality Controls of Digital Radiography units
- Dosimetrist for Linac Radiotherapy Units (3DCRT and VMAT)

TEACHING EXPERIENCE

March 2020 – Present **Adjunct instructor**

Univeristy of Turin, Course of 'Tecniche di Laboratorio Biomedico' (biomedical laboratory technologists) – class of: Medical Statistics

November 2019 – Present **Adjunct instructor**

Univeristy of Turin, Course of 'Tecniche di Radiologia Medica per Immagini e Radioterapia' (medical radiation technologists) – class of: Mathematics

EDUCATION AND TRAINING

January 2021 Jovian: Deep Learning with Pytorch: Zero to GANs



[View certificate](#)

January 2021 Stanford ONLINE - 5 Courses Certificate: AI in Healthcare Specialization



[View certificate](#)

August 2020 Deeplearning.ai - 3 Courses Certificate: AI for Medicine Specialization



[View certificate](#)

June-July 2020 TAIPEI Medical University - Verified Certificate of Achievement: ARTIFICIAL INTELLIGENCE FOR HEALTHCARE: OPPORTUNITIES AND CHALLENGES



[View certificate](#)

Maj-June 2020 UDACITY Nanodegree Program - Verified Certification of Completion: AI for Healthcare



[View certificate](#)

April 2020 **NVIDIA DLI - Certification of competency: Fundamentals of deep learning for computer vision**



10 October 2008 **Radioprotection Experts Officer (n.22161 of Italian list)**

January 2007 – March 2007 **SCJP – Sun Certified Java Programmer**



2002–2006 **Specialization in Medical Physics - Thesis Title: “ Clinical provision and comparison between FFT Convolution and Multigrid Superposition algorithms implemented on a commercial TPS”** ISCED 5A

University of Turin, Italy – Postgraduate Course

1997–2002 **Physics degree** ISCED 5A

University of Eastern Piedmont, Italy

PERSONAL SKILLS

Mother tongue Italian

Other languages

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B1 | C1 | B2 | B2 | C1 |
| French | A2 | B1 | A2 | A2 | A2 |

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Digital competences

| SELF-ASSESSMENT | | | | |
|------------------------|-----------------|------------------|------------------|-----------------|
| Information Processing | Communication | Content creation | Safety | Problem solving |
| Independent user | Proficient user | Independent user | Independent user | Proficient user |

[Digital competences - Self-assessment grid](#)

Computer skills

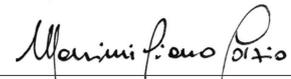
- Image processing with ImageJ (Java)
- Java™ programmer (Sun Certified Java Programmer)
- competent with most Microsoft Office programmes
- experience with HTML5 and CSS
- Python (Django Framework and computer vision / deep learning frameworks)
- experience with JavaScript front–end framework (Vue.JS and Nuxt.JS)
- Statistical analysis using R software
- Basic Deep Learning frameworks

Driving licence B

PUBLICATIONS

- [1] E. Zucchi, **M. Porzio**, G. Mon, and F. Coloberti. “277. A software toolset for quality control in digital mammography and DBT”. In: *Physica Medica* 56 (Dec. 2018), p. 232.
- [2] E. Zucchi, **M. Porzio**, G. Mon, and F. Coloberti. “278. Scatter correction software for grid-less acquisition in digital mammography – Statistical approach on a visual grading phantom study”. In: *Physica Medica* 56 (Dec. 2018), pp. 232–233.
- [3] **M. Porzio**, F. Coloberti, and E. Zucchi. “Iterative method for CT system: Dose reduction and quantitative analysis of image quality improvement”. In: *Physica Medica* 32 (Feb. 2016), pp. 87–88.
- [4] Walter Allasia, **Massimiliano Porzio**, and Michele Vigliante. “PrestoSpace Publication Platform: A System for Searching and Retrieving Enriched Audiovisual Material”. In: *I-MEDIA'07, I-SEMANTICS'07: International conferences on new media technology and semantic systems*. Graz: Verl. der Techn. Univ. Graz, 2007, pp. 186–188.
- [5] M Stasi, S Giordanengo, R Cirio, A Boriani, F Bourhaleb, I Cornelius, M Donetti, E Garelli, I Gomola, F Marchetto, **M. Porzio**, C J Sanz Freire, A Sardo, and C Peroni. “D-IMRT verification with a 2D pixel ionization chamber: dosimetric and clinical results in head and neck cancer”. In: *Physics in Medicine and Biology* 50.19 (Sept. 2005), pp. 4681–4694.

Cuneo, March 1, 2021



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