

# Davide PORTINARI

## Contact information:

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## Languages:

- **ENGLISH UK**  
Writing: Excellent - Speaking: Excellent  
TOEIC score : 975/990
- **FRENCH**  
Writing: Excellent - Speaking: Excellent
- **ITALIAN**  
Mother Tongue

## Softwares:

- Operational Systems:  
Windows, Unix/Linux
- Programming:  
Python, Matlab and Bash (advanced)  
C, C++, R and Assembly (intermediate)
- Monte Carlo:  
SERPENT2, MCNP6, VESTA
- CFD:  
OpenFoam, Ansys
- CAD/CAM:  
Solid Edge, Inventor, Solidworks

## Experience

- **Nuclear Engineer** 2019-2022  
Institut Laue Langevin: High Flux Reactor conversion to LEU  
Grenoble, France
- **Consultant** Aug-2019  
Milano Multiphysics: Fission Reactor Physics  
Grenoble, France
- **Intern** 2018  
Laboratory of Subatomic Physics and Cosmology (CNRS): Uncertainty Analysis  
Grenoble, France
- **Reactor Kinetics Laboratory on Triga Mark II Reactor** 2017  
Laboratory of Applied Nuclear Energy (LENA), University of Pavia,  
Pavia, Italy
- **Experimental internship : Radiation Detection and Measurement** 2016  
Politecnico di Milano: Micro-processors and PID control
- **Sports Journalist** 2014 - 2018  
FIBIS, EBSA, Il Fatto Quotidiano (Website), Eurosport Italia (collaboration)

## Education and Certifications

- **Doctorate of Philosophy (ongoing)** 2019 - 2022  
Grenoble Institute of Technology (Grenoble INP)  
Fields of Expertise:
  - Monte Carlo and Deterministic Methods (**Neutronics**)
  - Generalized Perturbation Theory: Uncertainty and Sensitivity Analysis
  - Fuel Performance and Thermal Hydraulics
  - Reduced Order Methods and Control Theory
- **Project Management Professional certification (ongoing)** 2022  
PMI (Project Management Institute)
- **ESARDA certification on Nuclear Safeguards and Non Proliferation** 2018  
European Commission Joint Research Center, Ispra, Italy
- **Nuclear Engineering Msc, Energy Engineering Bsc** 2013 - 2019  
Politecnico di Milano, Italy. Final score : 110/110