



Ruggero Meucci

NUCLEAR ENGINEER

Profile

I am a recent graduate in Nuclear Engineering, passionate about nuclear energy and, more in general, nuclear technologies. More recently I started to appreciate programming in various languages such as Matlab and Python. I can work on complex projects and to do research in complete autonomy. I adapt well to any context or job. The Politecnico di Milano taught me to work intensively, punctually, in an organized and efficient way for months without interruption.

Employment History

Junior Project Engineer, Nucleco S.p.a, Rome

NOVEMBER 2021 – PRESENT

Currently working on the decommissioning of nuclear facilities.

Education

European Master of Science in Nuclear Engineering Certificate

September 2022

ENEN will give me the EMSNE certificate the 12th of September 2022.

MSc in Nuclear Engineering (LM-30), Politecnico di Milano, Milano

MARCH 2019 – JULY 2021

Graduated with full mark (110/110). Specialisation in Nuclear power plants.

Six-months ERASMUS at the "Grenoble INP - Institut national polytechnique".

Master thesis: "Design of a neutron spectrometer for soil moisture monitoring starting from Artkis M800 thermal neutron detector". Tools used: MCNPX for Monte Carlo simulations and Python (Keras) for Neural Networks.

BSc in Ingegneria Fisica (L-9), Politecnico di Milano, Milano

OCTOBER 2015 – MARCH 2019

Graduated with a final mark of 100/110. Final thesis work entitled: "Fluorescence imaging resolved in time using compressed sensing techniques"

Diploma Scientifico, Liceo A. Da Sangallo, Montepulciano(SI)

OCTOBER 2010 – JULY 2015

Graduated with full mark (100/100).

Relevant academic projects

- Preliminary study of a lead-cooled reactor fuel rod;
- Analysis and modeling (through a Matlab code) of the fission gas behavior;
- Accuracy evaluation of multiple correlations for the evaluation of the pressure drop of a two phase flow in micro-finned tubes.

Publications

"An innovative neutron spectrometer for soil moisture measurements", M.Caresana, A. Cirillo, R. Meucci – accepted, under EPJ plus, EPJP-D-21-02399R1.

Five books in my bookshelf:

- Introductory nuclear physics by K.S. Krane
- Radiation Detection and Measurement by Glenn F. Knoll
- Nuclear Reactor Analysis by J.J. Duderstadt and L.J. Hamilton
- Fundamental Aspects of Nuclear Reactor Fuel Elements by D. Olander
- Lays of Ancient Rome by Thomas Babington Macaulay

Details

Via Palmiro Togliatti 11a,
Anguillara Sabazia, 00061,
Italy

+39 347 109 1640

ruggero.meucci@gmail.com

NATIONALITY

Italian

DRIVING LICENCE

B

DATE/ PLACE OF BIRTH

25/06/1996

Siena

Skills

Microsoft Office

Matlab/Simulink

Python

C++

MCNP

URANOS

ANSYS Fluent

Autodesk AutoCAD

Languages

Italian

English

French

Certifications

FCE – grade B, December 2013

ECDL – core and advanced level