

INFORMAZIONI PERSONALI



Alessandra Vannoni

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Sex F | Birth date 12/11/1997 | Nationality Italian

PROFESSIONAL EXPERIENCE

3/01/2022 – ONGOING

Research Grant

“La Sapienza” University of Rome

Research grant entitled "Conceptual design and transient thermo-hydraulic analysis of the experimental plants to be carried out for the validation of the correlations and of the calculation tools for the design and verification of the Steam Generator of the EU-DEMO fusion plant".

16/05/2022 – 20/05/2022

Participant

SIET S.p.A., Piacenza

Participation to the “Hands on training on SIRIO experimental facility” in the framework of H2020 PIACE project.

15/05/2021 – 15/05/2021

Scholarship

“La Sapienza” University of Rome

Scholarship for research activity entitled "Study and preliminary design of the STEM circuit for the simulation of the steam generator of the EU-DEMO reactor".

19/02/2019 – 8/04/2019

Participant

“La Sapienza” University of Rome

Participation to the “Engineering And Energy Economics” course, held by Prof. Ing. Renato Enrico Urban. Realization of the bachelor’s thesis, titled “Evaluation of a LNG plant”.

25/05/2019

Visitor

Eni

Visit to the oil platform “Garibaldi-C” with Prof. Ing. Renato Enrico Urban, founder of “Urban Gas & Power”.

15/05/2019 – 17/05/2019

Panel student

Nation Academy of Engineering

Participation to the "Grand Challenge Scholars Program" Workshop held at the Polytechnic University of Bucharest (Romania). Winner of the GCSP award from the National Academy of Engineering for having addressed in an article one of the fourteen "major challenges in engineering in the 21st century" ("make solar energy economical") and for having demonstrated the possession of the five skills required by the GCSP (Talent, Multidisciplinary, Viable Business / Entrepreneurship, Multicultural and Social Competencies).

29/12/2018 – 28/01/2019

Trainee

Onlus “Technologie Solidali”

Participation to the thirteenth edition of the “Field Study Abroad” project in the countries of Rwanda, Uganda and Kenya. Visit to some plants based on the use of renewable sources .

15/01/2019 – 24/01/2019

Participant

Res4Africa

Participation to the V and VI modules of the Micro-Grid Academy, dedicated to "Operation & Maintenance: most utilized micro-grid technologies and data management" held in Nairobi, Kenya.

EDUCATION AND TRAINING

1/11/2021 – ONGOING

PhD in "Energy and Environment"

"La Sapienza" University of Rome

Ottobre 2021

Master Degree in Energy Engineering

"La Sapienza" University of Rome

Vote: 110/110 e lode

Luglio 2019

Bachelor's Degree in Energy Engineering

"La Sapienza" University of Rome

Vote: 110/110 e lode

Luglio 2016

High School Classical Diploma

"La Sapienza" University of Rome

Vote: 100/100

PERSONAL COMPETENCIES

Mother Tongue

Italian

Other languages

	COMPREHENSION		SPEAKING		WRITTEN PRODUCTION
	Listening	Reading	Interaction	Oral production	
English	B2	B2	B2	B2	B2
Level 6 of the Trinity College London in 2011					

Competences

Accuracy, seriousness and punctuality; ability to work independently as well as in groups and to manage unexpected situations. Critical and observational spirit, multitasking, resilience and adaptability. Excellent interpersonal skills and propensity for dialogue; creativity, empathy, listening skills and flexibility. Good writing skills.

Digital competences

Office Tools: Word (expert), Excel (expert), PowerPoint (expert), Visio (expert)
 Engineering code: MATLAB (good)
 Code: RELAP5/Mod3.3 (expert)

Other competences

I am a men's 11-a-side soccer referee registered with the FIGC.
 I am a volunteer at the blood donors association "Avis".
 I cultivate a passion for the piano and the transverse flute, with which I played in an orchestra and participated in numerous competitions.
 I took English courses, including Trinity College London.20/12/2011.

Driving Licence

Type B

FURTHER INFORMATION

Publications

International conferences:

- P. Lorusso, A. Del Nevo, P. Arena, M. Eboli, R. Marinari, A. Tincani, P. Agostini, N. Badodi, A. Cammi, T. Del Moro, A. Vannoni, C. Ciurluini, F. Giannetti, L. Barucca, STEAM: A novel experimental infrastructure for the development of the DEMO BOP water coolant technology, 19th International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH-19), Brussels, Belgium, March 6 - 11, 2022.

Technical Reports

- 1. A. Vannoni, P. Lorusso, A. Del Nevo, M. Eboli, Preliminary thermal-hydraulic characterization of the STEAM facility, ST-N-R-617, ENEA report, December, 2021.
- 2. A. Vannoni, P. Lorusso, A. Del Nevo, M. Eboli, Nodalization of STEAM Facility and Preliminary Analyses, ST-N-R-584, ENEA report, February, 2022
- 3. P. Lorusso, A. Del Nevo, M. Eboli, A. Vannoni, C. Tripodo, Design of the new built STEAM facility for low power testing, ST-D-S-569, ENEA report, August, 2022...

Deliverables:

- 1. F. Giannetti, C. Ciurluini, T. Del Moro, A. Vannoni, A. Del Nevo, M. Eboli, P. Lorusso, A. Tincani, Thermal hydraulic conceptual design of the WCLL FW and BZ PHTS OTSG, EUROfusion Internal Deliverable, BOP-S.02.02-T003 - D001, December, 2021.
- 2. F. Giannetti, C. Ciurluini, T. Del Moro, A. Vannoni, A. Del Nevo, M. Eboli, P. Lorusso, A. Tincani, Thermal-hydraulic conceptual design of the IEOTSG, EUROfusion Internal Deliverable, BOP-S.02.02-T004 - D001, December, 2021.

Awards and Acknowledgement

NAE Grand Challenges Scholars Program, primavera 2019

Personal Data

I authorize the processing of personal data, in accordance with the provisions of law 196/03.