



THE CYPRUS
INSTITUTE

RESEARCH • TECHNOLOGY • INNOVATION

Curriculum Vitae

Giandomenico Vurro

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The Cyprus Institute
CARE-C
20 Konstantinou Kavafi St.
2121 Aglantzia, P.O.BOX 27456 Nicosia
Cyprus

Academic and Professional details:

Giandomenico, after participating in the Graduate School Summer 2020 Internship Program at The Cyprus Institute, joined again the Institute as a PhD student in October 2021. He received his Bachelor Degree and Master of Science Degree in Building Engineering from Politecnico di Bari.

His Master Thesis was titled: "Climate Change and Comfort in a Historical Building. Implementation of a Behavioral Stochastic Model of Occupants for Window Operation", and it was the result of a collaboration between Politecnico di Bari and, the Norwegian University of Science and Technology (NTNU), in Trondheim, thanks to an ERASMUS+ scholarship. His Bachelor Thesis was titled: "Methodologies for Checking and Verifying the Acceptability of Results for Reinforced Concrete Structures".

Education:

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| 2021
(Ongoing) | PhD / Coupling Climate Change to Urban Regeneration for Spatial and Temporal Variable Heat Mitigation Measures, EEWRC/CARE-C, The Cyprus Institute, Nicosia, Cyprus. |
| 2020 | Professional Qualification to the Engineering Practice / Politecnico di Bari, Bari, Italy. |
| 2019-
2017 | Master of Science / Building Engineering, Politecnico di Bari, Bari, Italy. |
| 2017-
2011 | Bachelor of Science / Building Engineering, Politecnico di Bari, Bari, Italy. |
| 2011-
2006 | High School Degree in Scientific Major (Diploma di maturità scientifica) / Liceo Scientifico Statale "A. Scacchi", Bari, Italy. |
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Research Experience:

- 2021.10-2021.05** Researcher, Smart Cities and Communities and Social Innovation, ASMARA Project, Electrical and Information Engineering, Politecnico di Bari, Bari, Italy. Subject: "Analysis and Specification of Sensors and Instruments to Study Pollutants and Emissions in the Port of Bari".
- 2020.08-2020.06** Internship, Graduate School Summer 2020 Program, Sustainability and the Built Environment, The Cyprus Institute, Nicosia, Cyprus. Subject: "Simulation-based Optimization Applied to Support the Design of a Nearly Zero Energy Building under Future Climate Projections".
- 2019.09-2019.06** Internship and Master Thesis Student, , Norwegian University of Science and Technology (NTNU), Trondheim, Norway. Subject: "Climate Change and Comfort in a Historical Building. Implementation of a Behavioral Stochastic Model of Occupants for Window Operation".

Management and Administrative experience:

- 2019-2017** Student Representative of Building Engineering Master of Science Degree Course

Honours and Achievements:

- 2019** Distinguished Thesis award for innovative scientific contribution
- 2019** ERASMUS+ Bet4Jobs Scholarship
- 2018** Politecnico di Bari Merit Scholarship

Other Skills:

Programming Languages: ERL (EnergyPlus Runtime Language), Python, R

Training Attended:

Data Science for Construction, Architecture and Engineering – Certificate of training for the successful completion of the online course issued by National University of Singapore (NUS).

Autodesk Certification Revit for Architecture

Publications:

G. Vurro, S. Carlucci, M. De Fino, F. Fatiguso, F. Fiorito. Adaptation of users to future climate conditions in naturally ventilated historic buildings: effects on indoor comfort. (In progress).

G. Vurro, V. Santamaria, C. Chiarantoni, F. Fiorito. Climate Change effects on Energy Poverty and Energy Efficiency in Public Housing Building Stock: the case of Bari-Japigia neighbourhood. (In progress).

