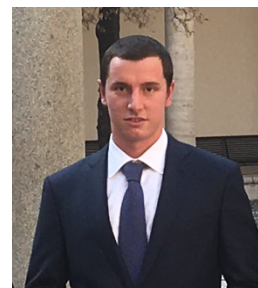


# Marco Antonio Bucarelli

Address: Via Erode Attico, 18, 00178, Rome, Italy  
Date and place of birth: 07/06/1996 - Rome, Italy  
Telephone: +39 3891108339  
e-mail: marcoantoniobucarelli@yahoo.it  
marcoantonio.bucarelli@uniroma1.it



## Education

<b>Sapienza University of Rome – Rome, Italy</b> <i>PhD course in Engineering and applied science for energy and Industry,</i> <i>Department of Astronautical, Electrical and Energy Engineering</i> <i>Civil and Industrial Engineering</i> PhD scholarship funded by ASM Terni S.p.A.	<b>11/20 – now</b>
<b>Professional qualification examination in energy engineering</b>	<b>16/11/2020</b>
<b>Sapienza University of Rome – Rome, Italy</b> <i>Master’s degree in Energy Engineering</i> Thesis title: “Storage systems in the public distribution network. The case study of the ASM TDE network in Terni.” Evaluation: 110/110 cum laude	<b>11/18 – 10/20</b>
<b>Sapienza University of Rome – Rome, Italy</b> <i>Bachelor’s degree in Energy Engineering</i> Thesis title: “Energy efficiency of buildings in the Civitavecchia ATER building stock.” Evaluation: 110/110 cum laude	<b>09/15 – 11/18</b>
<b>I.I.S.S. Charles Darwin</b> <i>Scientific high school diploma</i> Evaluation: 100/100	<b>09/10 – 07/15</b>

## Job activities

<b>European Research and Innovation Projects of the Horizon 2020 programme</b> Participation, on behalf of ASM Terni, in the activities of European projects concerning the integration of artificial intelligence and machine learning in the energy system, playing the role of Task Leader and Work Package Leader.	<b>11/20 – now</b>
<ul style="list-style-type: none"><li>• <b>BRIGHT</b> (Project N. 957816)</li><li>• <b>BD4NRG</b> (Project N. 872613) I’m the author of the documents: <i>D2.1: Big Data Value Chain and Requirements; D6.1: Pilot Operation Engagement and M&amp;V Plan; D7.1: Baseline Analysis Report and BD-4-NET Large Scale Pilots Preparation</i></li><li>• <b>IoT-NGIN</b> (Project N. 957246)</li><li>• <b>I-ENERGY</b> (Project N. 101016508) I’m the author of the documents: <i>D4.1: I-ENERGY Energy Analytics Applications (1<sup>st</sup> technology release); D5.1: I-ENERGY Pilot Planning Preparation, and M&amp;V Plan; D5.2: I-ENERGY Pilot Execution Documentation (1<sup>st</sup> version); D7.2: Business and Exploitation Plan</i></li></ul>	

**Employment in a business consultancy firm.** **01/17 - 12/18**

## Languages and IT skills

### Languages:

Italian	Native speaker
English	C1

### IT skills:

Matlab	*****	Simulink	*****	Python	*****
Microsoft Office	*****	Revit	*****	Autocad	*****
OpenDSS	*****	Matpower	*****	SQL	*****

## Awards and prizes

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Winner of the Best Paper Award of the Hydrogen Energy and Biofuels session at the Conference “2021 12th International Renewable Energy Congress (IREC)” for the scientific article “Exploiting RES for Hydrogen mobility: a new scenario for the company's fleet management”.

## Scientific papers

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- [1] M. A. Bucarelli, F. Carere, T. Bragatto and F. Santori, "Moving towards self-consumption and self-sufficiency: COVID-19 impact in the city of Terni," *2021 IEEE International Conference on Environment and Electrical Engineering and 2021 IEEE Industrial and Commercial Power Systems Europe (EEEIC/I&CPS Europe)*, 2021, pp. 1-6, doi: 10.1109/EEEIC/ICPSEurope51590.2021.9584539.
- [2] M. A. Bucarelli, F. Carere, T. Bragatto and F. Santori, "Exploiting RES for Hydrogen mobility: a new scenario for the company's fleet management," *2021 12th International Renewable Energy Congress (IREC)*, 2021, pp. 1-6, doi: 10.1109/IREC52758.2021.9624830.

## Other experiences

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Stage at Miki Travel Agency, London.

**08/13**

**08/15**

Voluntary work at the Centro di Ascolto per i poveri Seicinque

**03/19 - now**