

Postdoctoral Research Scientist, RTDA – 2009-2016 at DIMA, Sapienza University of Rome

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| 2009-2013 | ING-IND/09 RTDA – DIMA – Studio di dispositivi Solari e Gassificazione per Mini Grid Multisource, Wind Vertical Axial – (Eolia), Solar Thermal (Pleion), Microbial Fuel Cell. |
| 2013-2016 | ING-IND/09 RTDA – DIMA – Analisi Numerica di Mini Grid Optimization PV-Wind- Hydro, Design and optimization of a new generation of rural mini grids, Development of machine-learning techniques for Mini Grid Optimization, Vanadium Storage Systems (Absolute Energy) EEP European Project |

Postdoctoral Research Scientist (Assegnista di Ricerca), 2001-2009 at DIMA Sapienza University of Rome

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| 2001-2003 | ING-IND/09 Numerical Analysis of Solar Integration in the Energy Demand of Penitentiaries |
| 2003-2005 | ING-IND/09 Optimisation of Integrated Solar Storage Devices with Mediterranean case studies |
| 2005-2007 | ING-IND/09 Innovation in Mini Grids and Energy Communities with cases in the Middle East |
| 2007-2009 | ING-IND/09 Energy Systems and OSEC Electrolysis Systems in International Emergencies |

III B – Other Appointments

| Start: | Entities : | Location: | Assignment: |
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| 2020 | <i>GCSP EU Scholars</i> | EU | Director |
| 2021 | <i>Associate Professor Qualification</i> | Italy | <i>Ministry of University</i> |
| 2019 | <i>National Academy of Engineering</i> | USA | GCSP Review Committee - Member |
| 2018 | <i>SUNY, MIT, Columba NYC et Al.</i> | EU | Field Studies4 Mini Grid Optimization-Coordinator |
| 2017 | <i>SUNY - State University New York</i> | USA | Adjunct Associate - Professor |
| 2018 | <i>Strathmore University</i> | Africa | Board member – Adjunct Professor |
| 2017 | <i>RES4Africa -Enel Foundation</i> | Italy | Micro Grid Academy Scientific Coordinator |

Teaching experience

Year Institution Lecture/Course

2019-2021-Sapienza DIMA (Professor)-Energy Systems 6 CFU
2015-2017-Sapienza DIMA (Professor)-Renewable Energy System Design 6 CFU
2013-2018-Columbia NYC (Lecturer)-Engineering for Developing Communities CIEE E3260
2014-2015-Hawaiian Pacific University – Seminar on Sustainable Dev. Engineering in Emergencies
2014-2015-Hawaiian Pacific University - Seminar on Sustainable Technologies in Development
2009-2014-Sapienza Mechanical Eng. / Psychology & Medicine (Cod. 1011154) Ing-Ind/09
2000-2014-Sapienza CIRPS DIMA - II level Master Module: Energy & Environment
2010-2011-Sapienza MAE Makerere Uni Uganda “Renewable Energies” Master Phil.
2012-2015-Cambridge University - UK -Lectures at Engineering for Sustainable Development - Mphil
2010-2013-Italian Foreign Affair - Istituto Italo Latino Americano-“Curso Energias Renovables” High Education
2000-2012-Sapienza CIRPS “Design for International Cooperation” Master Phil.
2005-2012-Milan Polytechnic -"Renewable Energy and Energy Saving RIDEF" M.Phil.
2012-2013-Latin American Italy Institute MAE “Renewable Energies in International Cooperation” M.Phil.
2012-2013-Universidad Nacional Paraguay - High Education Course “Solar Thermal Energy”,
2005-2012-Milan Polytechnic – ITACA-" Solar Thermal Energy RIDEF" M.Phil.
1999-2000-Sapienza High Education Course “Design for Cooperation and Sustainability”
2009-2012-Politecnico di Milano – BEST-"Hydroelectric RIDEF" Master Phil.
2001-2009-Sapienza "Emergency Engineering " Master Phil.

Courses Held at Sapienza University of Rome - 2001-2021

1. Ingegneria Energetica L-9 1036591 Sistemi Energetici- Modulo I
2. Ingegneria Energetica L-9 1036591 Sistemi Energetici- Modulo II
3. Ingegneria Energetica Lm-30 Aaf1773 Renewable Energy System Design
4. Scienze Della Cooperazione Internazionale - Lm-811041566 Innovative Technologies and Sustainability
5. Ingegneria Energetica - Lm-30 Aaf1550 Laboratorio di Progettazione Di Sistemi Energetici a Fonte Rinnovabile
6. Ingegneria Energetica - Lm-30 1022070 Management Dell' Energia- Mod I
7. Elaborazione Dell'informazione - [Ls (Dm 509/99)] 58/S1001938 Tecnologie per L'autonomia e L'ambiente
8. Elaborazione Dell'informazione - [Ls (Dm 509/99)] 58/S1011154 Tecnologie Assistive per le Disabilita'
9. Ingegneria Meccanica - 26020 Lm-331021816 Interazione Macchine Ambiente
10. Ingegneria Energetica - 15226 L-91022002 Sistemi Energetici