

Curriculum Vitae

PROF. ING. ANTONIO GAGLIANO

Faculty of Engineering
Department of Engineering Electric, Electronic and Informatics

EMPLOYMENT AND CAREER

Since 2001, he is Assistant Professor in Environmental Applied Physics, Faculty of Engineering, University of Catania
- Since 2017 he has obtained *Abilitazione Scientifica Nazionale* for the role of Associate professor

TEACHING AND ACADEMIC ACTIVITY

He teaches at Engineering Faculty of University of Catania. And gives academic courses on the following subjects: Environmental Applied Physics, Acoustic and Environmental Control Techniques (since 2001).

Scientific Manager of the Laboratory of Applied and Building Physics of the Department Engineering Electric, Electronic and Informatics.

Member of the teaching staff of the PhD "INGEGNERIA DEI SISTEMI, ENERGETICA, INFORMATICA E DELLE TELECOMUNICAZIONI"

Member of the academic senate of the University of Catania (from 2012 to 2016)

SCIENTIFIC COMMITMENTS

- Member of the editorial board of the following journals: International Journal of Sustainability in Energy and Buildings¹; African Journal of Environmental Science And Technology; The Open Civil Engineering Journal; Progress in Energy & Fuels

- Member of the Society of African Journal Editors

- Guest Editor of the Int.J. Renew. Energy Technology (2014),

- Guest Editor of the Int.J. Energy and Building (2015)

- Reviewer of more than 20 international journals with Recognition of Outstanding Contribution in Reviewing by 5 international journals.

Member of the International Program Committee of more than two International Conferences. He has organized and coordinate 5 special sessions .Chairman in 6 international conference

AWARD AND RECOGNITIONS

The article "Technical and economic perspective for repowering of micro hydro power plants: A case study of an early XX century power plant " received the award of Best Paper at the conference SEB14

The article" Effect of glazing type on the performance of a Trombe wall in Tunisia" received the award of Best Paper at the conference 6th International Renewable Energy Congress, IREC 2015

- Fellow of the Wessex Institute of Technology

- Keynote speaker at the conference Sustainability in Energy and Buildings in Lisbona (2015)

- Registration in the register of REPRISE auditors

- Admitted to the MIUR program for the financing of the basic research activities (FABR) – (2017/2018)

SCIENTIFIC PARTNER AND RESEARCH PROJECT

Scientific Responsible in the Project "FCCS" (Continue Façade with integrated Solar Collector) financed by POR Sicilia (2013-2015)

Scientific Responsible of the three Erasmus Agreements

Scientific Responsible of the agreement between University of Catania and Randazzo Municipality for the development of the SEAP of Randazzo City (Sicily)

Participant to the Project "BIO4BIO" Energetic and Biomolecular enhancement of residual biomass of the agribusiness and fisheries financed by PON (2013-2015)

Participant to the Project "PRIN 2009" New methodologies for energy improvement in building construction in the Etna aerial" financed by MIUR (2009-2012)

Participant to the Project “PRIN 2015” La ricerca per i PAES: una piattaforma per le municipalit  partecipanti al Patto dei Sindaci (Research for SEAP: a platform for municipalities taking part in the Covenant of Mayors) financed by MIUR (2017-2020)

Participant to the Project “The integration of PV and PVT systems into building in the Mediterranean Area: numerical and experimental study on efficiency and building compatibility “ financed by University of Catania ”- FIR (2014-2015)

Participant to the Erasmus+ Project” VVITA” “Modernizing Learning and Teaching for Architecture through Smart and Long-lasting Partnerships leading to sustainable and inclusive development strategies to Vitalize Heritage Villages through Innovative Participant to the research EWAS (An early WArning System for cultural heritage) finanziato nell’ambito del Programma Nazionale per la Ricerca 2015-2020.

Participant to the IEA task 60 “Application of PVT collectors and new solutions in HVAC systems” of the IEA Solar Heating and Cooling Programme

Participant to the Research Project “Assessment of novel tools for mapping the energy demand of urban districts and for planning appropriate optimization and mitigation strategies” financed by the Department of Electric, Electronics and Informatics of University of Catania.

AREAS OF SCIENTIFIC RESEARCH

- Buildings Energy Efficiency
- Building Acoustic
- Environmental Acoustic
- Environmental Air Quality (EAQ)
- Air Pollution
- Renewables Energy (solar thermal, fotovoltaic, wind, biomasses)
- Energy Policy
- HVAC plants
- Fluid dynamic analysis of ventilated structures
- Heat transfer and thermal comfort