Antonio Gagliano

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EDUCATION - MSc in Civil Engineering with full marks and honors (1991) - PhD in Environmental Applied Physics, University of Palermo (1998) EMPLOYMENT AND CAREER Since 2001, he is Assistant Professor in Environmental Applied Physics, Faculty of Engineering, University of Catania Since 2019 he is Associated Professor in Environmental Applied Physics, Faculty of Engineering, University of Catania - National habilitation as full professor of Building Physics and Environmental Applied Physics (S.C. 09/C2) (2020).

TEACHING AND ACADEMIC ACTIVITY - Member of the Academic Senate of the University of Catania (from 2012 to 2016) - Scientific Manager of the Laboratory of Applied and Building Physics of the Department of Electrical, Electronic and Computer engineering (DIEEI) - Member of the Academic Board of the Ph.D " Systems Engineering, Energy, Information Technology And Telecommunications– " - University of Catania (from 2017 up to now) - Member of the Board of “Joint Studies Committee (CPDS)” of the DIEEI (from 2020 up to now) - Member of the Board of the Department of Engineering Electric, Electronic and informatics (from 2017 to 2020) - Secretary of the Council of the Course the master degree in Engineering for Environment and Territory (from 2017 to 2020) - Supervisor of more than 60 Thesis of Master Degree - Scientific supervisor for more than 20 research contracts, scholarship, and research grant activated within research projects - Tutor of five Ph.D. students. - Co -Tutor of one Foreign PhD Students -- Member of Evaluation Commission for the admission to the PhD of Systems Engineering, Energy, Information Technology And Telecommunications in 2021 and deputy member in 2023.

SCIENTIFIC COMMITMENTS BOOK’S EDITOR Proceedings of the 3rd International Conference on Electronic Engineering and Renewable Energy Systems, Springer 2023 eBook ISBN 978-981-19-6223-3; Print ISBN 978-981-19-6222-6 - MEMBER OF JOURNALS EDITORIAL BOARD: Energies , AIMS Energy, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Frontiers in built environment, The Open Civil Engineering Journal, African Journal of Environ mental Science And Technology; TECNICA ITALIANA-Italian Journal of Engineering Science; Progress in Energy & Fuels; International journal of Architectural Engineering Technology (IJAET) Avanti Publishers - GUEST EDITOR of Journal Special ISSUES SI: “Multiplicity, Modelling, Optimisation and Innovative Applications of Renewable Energy Sources” published in Renew. Energy Technology (IJRT)", Inderscience Enterprises 2014), SI: Renewable Energy systems for a zero carbon emission society published in Energy and Building (2015), SI : Hybrid Solar Photovoltaic/Thermal Technology for Agrivoltaic and Aquavoltaic Applications Ⅱ (Energies) SI Green Architectures and Infrastructures for the Urban Environment (Sustainability) SI: Lightweight Architecture Technologies for Smarter Cities (

Sustainability) Participant at the IEA task 60 “Application of PVT collectors and new solutions in HVAC systems” of the IEA Solar Heating and Cooling Programme Participant at the IEA task 15 “Enabling Framework for the Development of BIPV” of the IEA Solar Heating and Cooling Programme

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 “ The article ” Effect of glazing type on the performance of a Trombe wall in Tunisia” received the award of Best Paper at the conference SEB14 and IREC 2015. Best Poster Award Experimental analysis of the performances of ventilated photovoltaic facades” at the conference ICREPQ 2022 - Fellow of the Wessex Institute of Technology - Keynote speaker at the conference Sustainability in Energy and Buildings in Lisbona (2015) - Keynote speaker at the conference ICEERE 2022 in Oujda (2022)

SCIENTIFIC PARTNER AND RESEARCH PROJECT Scientific Responsible in the Project “FCCS” (Continue Façade with integrated Solar Collector) financed by POR Sicilia (2013-2015) 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 Etnea aerial” financed by MIUR (2009-2012) Participant to the Project “PRIN 2015” (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 “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 Technologies” VVITA 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.

PUBLICATIONS AND AREAS OF SCIENTIFIC RESEARCH He is Author of more than 180 articles published in international journal (97), conference proceedings (77), book chapter (6) the main area of interest are: Buildings Energy Efficiency, Building Acoustic, Environmental Acoustic, Environmental Air Quality (EAQ), Air Pollution, Renewables Energy (solar thermal, photovoltaic, wind, biomasses), Energy Policy, HVAC plants , Fluid dynamic analysis of ventilated structure, Heat transfer and thermal comfort.

Additional Information:

- Member of the ICREPQ-International Scientific Committee.
- RE&PQJ-Scientific Committee Member.