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Luca Evangelisti

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WORK EXPERIENCE

01/02/2023 – CURRENT Rome, Italy
ASSOCIATE PROFESSOR ROMA TRE UNIVERSITY

- Associate Professor of Applied Physics at Roma TRE University.
- Teaching activities for Applied Physics and Industrial Energy courses.
- Lecturer of the course entitled "Non-destructive diagnostic techniques for the energy diagnosis of buildings" as part of the doctorate in Mechanical and Industrial Engineering at the Roma TRE University
- Experimental research activities on heat transfer mechanisms, energy simulation, Urban Heat Island, energy retrofit and environmental sustainability of buildings.
- Author of more than 60 scientific papers published in international journals and presented at national and international conferences.

02/2024 – CURRENT Rome, Italy
REPRESENTATIVE AT THE NETWORK OF UNIVERSITIES FOR SUSTAINABLE DEVELOPMENT (RUS) ROMA TRE UNIVERSITY

- Representative at the Network of Universities for Sustainable Development (RUS) of Roma Tre University.
- Working group: Energy.

01/02/2020 – 31/01/2023 Rome, Italy
RESEARCHER (RTD-B) ROMA TRE UNIVERSITY

- Researcher of Applied Physics at Roma TRE University.
- Teaching activities for Applied Physics and Industrial Energy courses.
- Experimental research activities on heat transfer mechanisms, energy simulation, Urban Heat Island, energy retrofit and environmental sustainability of buildings.

01/03/2018 – 31/01/2020 Rome, Italy
LABORATORY TECHNICIAN ROMA TRE UNIVERSITY

- Technician for the Applied Physics laboratory.
- Carrying out experimental activities using measuring instruments for non-destructive energy diagnosis of buildings.

01/10/2016 – 28/02/2018 Rome, Italy
RESEARCH FELLOW NICCOLÒ CUSANO UNIVERSITY

- Project research activities.
- Teaching for Applied Physics and Applied Thermodynamics courses.

2015 – 2019 Rome, Italy
CONTRACT PROFESSOR NICCOLÒ CUSANO UNIVERSITY

Lecturer of the course "Energy Redevelopment of Built Heritage"

2016 – 2018 Rome, Italy
CONTRACT PROFESSOR NICCOLÒ CUSANO UNIVERSITY

Lecturer of the course "Techniques for the energy diagnosis of buildings", for the doctorate course in industrial and civil engineering

02/2024 – CURRENT Rome, Italy
HEAD OF COLLABORATION ROMA TRE UNIVERSITY

Responsible for the collaboration between the Roma Tre Teatro Palladium Foundation and the Department of Industrial, Electronic and Mechanical Engineering within the project "RETE - Reuse, Ecology, Technology, Empowerment in the sustainable management of entertainment events", pursuant to the Public Notice funded by the European Union – NextGenerationEU for the presentation of capacity building project proposals for cultural operators, within the PNRR, – "Capacity building for cultural operators to manage the digital and green transition", Sub-investment 3.3 .3 "Promote the reduction of the ecological footprint of cultural events by encouraging the inclusion of social and environmental criteria in public procurement policies, thus orienting the supply chain towards eco-innovation of products and services" (Action B 1). Responsibility for the implementation of project activities in the field of technological innovations in the field of environmental sustainability.
RANKING LIST OF OTHER REGIONS Public Notice pursuant to directorial decree no. 150 of 06.09.2023 for the presentation of capacity building project proposals for cultural operators within the PNRR (M1C3), Sub-investment 3.3.3 (TOCC - Action B 1). Prot. PNRRB1-20230002337514.

02/2024 – CURRENT Rome, Italy
HEAD OF COLLABORATION ROMA TRE UNIVERSITY

Responsible for the collaboration between the Roma Tre Teatro Palladium Foundation and the Department of Industrial, Electronic and Mechanical Engineering as part of the "METAMORFOSI - Designing culture in the changing world", based on the public notice financed by the European Union - NextGenerationEU for the presentation of capacity building project proposals for cultural operators, within the PNRR, - "Capacity building for cultural operators culture to manage the digital and green transition", Sub-investment 3.3.3 "Promote the reduction of the ecological footprint of cultural events by encouraging the inclusion of social and environmental criteria in public procurement policies, thus orienting the supply chain towards eco-innovation of products and services" (Action B 1). Responsibility for the implementation of project activities in the field of technological innovations in the field of environmental sustainability. RANKING LIST OF OTHER REGIONS Public Notice pursuant to directorial decree no. 150 of 06.09.2023 for the presentation of capacity building project proposals for cultural operators within the PNRR (M1C3), Sub-investment 3.3.3 (TOCC - Action B 1). Prot. PNRRB1-20230002337514.

01/2024 – CURRENT Rome, Italy
SCIENTIFIC COORDINATOR

Scientific Coordinator of the project "GRINN-S – Sensorized innovative Green Roof for the sustainability of buildings" - POR FESR LAZIO 2021-2027 - Public notice "Competitive repositioning of CSR" Scope 2 "Sea economy, Green Economy and Agrifood" approved with managerial determination n. G18823 dated 12/28/2023. Project in collaboration with BINDI Secondo S.r.l. and ICOMFORT S.r.l. CUP F83D24000010002.

09/2023 – CURRENT Rome, Italy
PRINCIPAL INVESTIGATOR ROMA TRE UNIVERSITY

Principal Investigator of the project entitled: "THE-METHER – THErmometric Method Enhancement for building wall THErmal Resistance evaluation". Funded within the program PRIN (Research Projects of Significant National Interest). PRIN 2022 - Project code: 2022NX9F4M - Directorial Decree n. 742 of 05/30/2023. CUP F53D23001850006. Management of the following research units: Roma TRE University, University of L'Aquila and Niccolò Cusano University.

2014 – 2015 Rome, Italy
RESPONSIBLE FOR COORDINATION ACTIVITIES NATIONAL ASSOCIATION OF ITALIAN MUNICIPALITIES (A.N.C.I.)

Responsible on behalf of the National Association of Italian Municipalities (ANCI) in the analysis of energy efficiency interventions of municipal heritage structures and healthcare facilities within the "Diagnosis" project, project remodulation of the "Efficient municipal dashboard and low energy buildings pilot interventions" " (POI Energy 2014)

2014 – 2014 Rome, Italy
LECTURER LA SAPIENZA UNIVERSITY OF ROME

Teaching activity within the University Specialization Course entitled "Smart Cities and Communities: design and management of the city oriented towards well-being" - Smart Energy module: Energy certification of buildings

2014 Rome, Italy
RESPONSIBLE FOR ON-SITE TESTING ROMA TRE UNIVERSITY

Responsible for experimental measurement activities awarded by the Engineering Department of the University of Roma Tre through a public selection call Prot. n. 0000786 of 03/20/2014 entitled "Thermal transmittance measurements at the former tax office of the municipality of Orte". Contract Prot. n. 0001014 dated 10/04/2014

09/2022 – CURRENT
ASSOCIATE EDITOR

Associate Editor of the scientific journal Frontiers in Built Environment (ISSN 2297-3362). “Indoor Environment” section. Indexed in: SCOPUS, Google Scholar, DOAJ, CrossRef, Ulrich's Periodicals Directory, Web of Science Emerging Sources Citation Index (ESCI), CLOCKSS, Norwegian Center for Research Data (NSD).

01/2017 – CURRENT
ASSISTANT EDITOR BUILDING ACOUSTICS - SAGE PUBLISHING

Assistant Editor for the scientific journal Building Acoustics - SAGE Publishing (ISSN 1351-010X). Indexed in: Clarivate Analytics: Emerging Sources Citation Index (ESCI), EBSCO, Ei Compendex, SCOPUS.

2019 Rome, Italy
SCIENTIFIC AND ORGANIZING COMMITTEE MEMBER ROMA TRE UNIVERSITY

Member of the scientific and organizing committees of the conference “XII International Conference on Computational Heat, Mass and Momentum Transfer” (ICCHMT 2019) held in Rome in 2019 (3-6 September 2019).

2017 Rome, Italy
SUPERVISION OF RESEARCH ACTIVITY - URBAN HEAT ISLAND (1) ROMA TRE UNIVERSITY

- Study of the Urban Heat Island phenomenon in the city of Rome, analyzing environmental data acquired between October 2014 and October 2016.
- Influence of the Urban Heat Island phenomenon on the energy performance of buildings.
- Collaboration with Institute for Environmental Research & Sustainable Development, National Observatory of Athens, I. Metaxa & Vas. Pavlou (Athens, Greece).

2022 Rome, Italy
SUPERVISION OF RESEARCH ACTIVITY - URBAN HEAT ISLAND (2) ROMA TRE UNIVERSITY

- Space-time estimation of the Urban Heat Island in Rome.
- Analysis of environmental data from 23 weather-stations.
- Data acquired from January 2020 to December 2020.
- Influence of the Urban Heat Island phenomenon on the energy performance of buildings.
- Collaboration with Institute for Environmental Research & Sustainable Development, National Observatory of Athens, I. Metaxa & Vas. Pavlou (Athens, Greece).

2023 Rome, Italy
SUPERVISION OF RESEARCH ACTIVITY - URBAN HEAT ISLAND (4) ROMA TRE UNIVERSITY

- Annual comparison of the atmospheric Urban Heat Island in Rome (Italy).
- Assessment in space and time by comparing climate data from 2020 and 2022 collected from 6 meteorological stations.
- Geographic Information System (GIS) used for analyzing the landscape.
- Dynamic simulations of the energy needs of buildings for heating and cooling.
- Preliminary identification of the reference weather station for the correct evaluation of the intensity of the Urban Heat Island.

2023 Rome, Italy
SUPERVISION OF RESEARCH ACTIVITY - URBAN HEAT ISLAND (3) ROMA TRE UNIVERSITY

- Extensive Study of the Urban Heat Island Phenomenon in Rome.
- Analysis of environmental data from 6 weather-stations.
- Data acquired from January 2022 to December 2022.
- Implications for building energy performance through data from multiple meteorological stations.

EDUCATION AND TRAINING

2016 Rome, Italy
PHD IN MECHANICAL ENGINEERING Roma Tre University

- Research Doctorate (XXVIII Cycle) in Applied Physics at the Engineering Department of the Roma TRE University, with responsibility for studies on the topic: "Instrumental energy diagnosis".
- Title of the thesis: "Methodological approach for defining the equivalent thermal properties of unknown walls stratigraphies".
- Tutor: Prof. Roberto De Lieto Vollaro.

2015 Rome, Italy
EXPERT IN THE FIELD OF ACOUSTICS AND ENVIRONMENTAL LIGHTING Roma Tre University

2014 Rome, Italy
EXPERT IN THE SUBJECT APPLIED PHYSICS Roma Tre University

2014 Rome, Italy
EXPERT IN THE SUBJECT OF THERMOTECHNICAL SYSTEMS Roma Tre University

2013 Rome, Italy
QUALIFIED AS MECHANICAL ENGINEER Roma Tre University

2012 Rome, Italy
AUTOCAD 2D AND 3D DESIGNER Centri di formazione Informatica (CEFI)

2012 Rome, Italy
MASTER'S DEGREE IN MECHANICAL ENGINEERING - 108/110 Roma Tre University

2009 Rome, Italy
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING - 96/110 Roma Tre University

NATIONAL SCIENTIFIC QUALIFICATION FOR THE ROLE OF ASSOCIATE PROFESSOR - APPLIED PHYSICS (ING-IND/11)

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

TRNSYS (Transient System Simulation Tool) | MC11300 (Aermec) | COMSOL | Microsoft Office | Google Drive | Design Builder (EnergyPlus) | LSI Software

HONOURS AND AWARDS

Awards

1. Winner of the prize awarded by the Lazio Region. Lazio Region PR FSE 2021-2027 - Reward contributions for researchers and research fellows to strengthen their professional condition and strengthen the research system of Lazio Annuality 2022 - Priority 2 "Education and Training".
2. Winner of the Solar Decathlon 2014 competition in collaboration with the Department of Architecture of the Roma TRE University for the design and construction of a low energy impact house (a competition in which international universities design, build and operate a self-sufficient house at energy, equipped with all the technologies needed to maximize efficiency, exploiting solar energy). RhOME for denCity project, Energy team.

PUBLICATIONS

Scientific publications attached

Scientific journal publications

Indexed international journals

1. Energy performance optimization of a bus for urban public transport – R. De Lieto Vollaro, F. Botta, L. Evangelisti, P. Gori, C. Guattari – International Journal of Engeneering and Technology (IJET) – Vol 5 No 4 Aug-Sep 2013.
2. An integrated approach for an historical buildings energy analysis in a smart cities perspective – R. De Lieto Vollaro, L. Evangelisti, E. Carnielo, G. Battista, P. Gori, C. Guattari, A. Fanchiotti – Elsevier Energy Procedia 45 (2014) 372 – 378.
3. Calculation model for optimization design of low impact energy systems for buildings – R. De Lieto Vollaro, M. Calvesi, G. Battista, L. Evangelisti, F. Botta – Elsevier Energy Procedia 48 (2014) 1459 – 1467.
4. Robustness of acoustic scattering cancellation to parameter variations - C. Guattari, P. Gori, R. De Lieto Vollaro, L. Evangelisti, G. Battista, C. Basilicata, A. Toscano, F. Bilotti – Sustainability 6(7) (2014) 4416 – 4425.
5. Bus for urban public transport: energy performance optimization – R. De Lieto, L. Evangelisti, G. Battista, P. Gori, C. Guattari, A. Fanchiotti – Elsevier Energy Procedia 45 (2014) 731 – 738.
6. Influence of the thermal inertia in the European simplified procedures for the assessment of buildings' energy performance - L. Evangelisti, G. Battista, C. Guattari, C. Basilicata, R. De Lieto Vollaro – Sustainability 6(7) (2014) 4514 – 4524.
7. Buildings energy efficiency: interventions analysis under a smart cities approach - G. Battista, L. Evangelisti, C. Guattari, C. Basilicata, R. De Lieto Vollaro – Sustainability 6(8) (2014) 4694 – 4705.
8. Analysis of two models for evaluating the energy performance of different buildings - L. Evangelisti, G. Battista, C. Guattari, C. Basilicata, R. De Lieto Vollaro – Sustainability 6(8) (2014) 5311 – 5321.
9. Building energy performance analysis: a case study – R. De Lieto Vollaro, C. Guattari, L. Evangelisti, G. Battista, E. Carnielo, P. Gori – Energy and Buildings 87 (2015) 87–94.
10. Energy performance and thermal comfort of a high efficiency house: RhOME for denCity, winner of Solar Decathlon Europe 2014 – G. Battista, E. Carnielo, L. Evangelisti, M. Frascarolo, R. De Lieto Vollaro – Sustainability 7(7) (2015) 9681-9695.
11. On the Influence of Geometrical Features and Wind Direction over an Urban Canyon Applying a FEM Analysis – G. Battista, L. Evangelisti, C. Guattari, R. De Lieto Vollaro - Energy Procedia 81 (2015) 11–21.
12. Recent trends in the world gas market: Economical, geopolitical and environmental aspects – A. Toscano, F. Bilotti, F. Asdrubali, C. Guattari, L. Evangelisti, C. Basilicata - Sustainability 8 (2016) 154.
13. Energy retrofit strategies for residential building envelope: an Italian case study of an early-50s building - L. Evangelisti, C. Guattari, P. Gori - Sustainability 7(8) (2015) 10445-1046.
14. In-situ thermal transmittance measurements for investigating differences between wall models and actual building performance - L. Evangelisti, C. Guattari, P. Gori, R. De Lieto Vollaro – Sustainability 7(8) (2015) 10388-10398.
15. Accuracy of lumped-parameter representations for heat conduction modeling in multilayer slabs - P. Gori, C. Guattari, R. De Lieto Vollaro, L. Evangelisti - Journal of Physics: Conference Series 655 (2015) 012065.

16. Influence of insulating materials on green building rating system results – F. Bisegna, B. Mattoni, P. Gori, F. Asdrubali, C. Guattari, L. Evangelisti, S. Sambuco, F. Bianchi – Energies 9 (2016) 712.
17. Design criteria for improving insulation effectiveness of multilayer walls - P. Gori, C. Guattari, L. Evangelisti, F. Asdrubali - International Journal on Heat and Mass Transfer 103 (2016) 349-359.
18. Energy Management of an Off-Grid Hybrid Power Plant with Multiple Energy Storage Systems – L. Tribioli, R. Cozzolino, L. Evangelisti, G. Bella – Energies 9 (2016) 661.
19. Experimental investigation of the influence of convective and radiative heat transfers on thermal transmittance measurements – L. Evangelisti, C. Guattari, P. Gori, R. De Lieto Vollaro, F. Asdrubali - International Communications in Heat and Mass Transfer 78 (2016), 214-223.
20. Influence of internal heat sources on thermal resistance evaluation through the heat flow meter method – C. Guattari, L. Evangelisti, P. Gori, F. Asdrubali – Energy and Buildings 135 (2017) 187–200.
21. A review of structural, thermo-physical, acoustical, and environmental properties of wooden materials for building applications - F. Asdrubali, B. Ferracuti, L. Lombardi, C. Guattari, L. Evangelisti, G. Grazieschi - Building and Environment 114 (2017) 307-332.
22. Heat transfer study of external convective and radiative coefficients for building applications - L. Evangelisti, C. Guattari, P. Gori, F. Bianchi - Energy and Buildings 151 (2017) 429-438 .
23. Assessment of equivalent thermal properties of multilayer building walls coupling simulations and experimental measurements - L. Evangelisti, C. Guattari, P. Gori, F. Asdrubali - Building and Environment 127 (2018) 77-85.
24. On the assessment of urban heat island phenomenon and its effects on building energy performance: A case study of Rome (Italy) - C. Guattari, L. Evangelisti, C.A. Balaras – Energy and Buildings 158 (2018) 605-615.
25. Description of multilayer walls by means of equivalent homogeneous models – P. Gori, L. Evangelisti, C. Guattari - International Communications in Heat and Mass Transfer 91 (2018) 30-39.
26. A model for the improvement of thermal bridges quantitative assessment by infrared thermography – G. Baldinelli, F. Bianchi, A. Rotili, D. Costarelli, M. Seracini, G. Vinti, F. Adrubali, L. Evangelisti – Applied Energy 211 (2018) 854-864.
27. Critical review and methodological approach to evaluate the differences among international green building rating tools – B. Mattoni, C. Guattari, L. Evangelisti, F. Bisegna, P. Gori, F. Asdrubali - Renewable and Sustainable Energy Reviews 82 (2018) 950-960.
28. Energy Benchmarking in Educational Buildings through Cluster Analysis of Energy Retrofitting – P. Marrone, P. Gori, F. Asdrubali, L. Evangelisti, L. Calcagnini, G. Grazieschi - Energies 11 (2018) 649.
29. Influence of heating systems on thermal transmittance evaluations: Simulations, experimental measurements and data post-processing – L. Evangelisti, C. Guattari, F. Asdrubali - Energy and Buildings 168 (2018) 180–190.
30. Influence of visual aspects and other features on the soundscape assessment of a university external area – F. D'Alessandro, L. Evangelisti, C. Guattari, G. Grazieschi, F. Orsini, Building Acoustics 25(3) (2018) 199–217.
31. Energy and environmental payback times for an NZEB retrofit - F. Asdrubali, I. Ballarini, V. Corrado - L. Evangelisti, G. Grazieschi, C. Guattari - Building and Environment 147 (2019) 461–472.
32. On the sky temperature models and their influence on buildings energy performance: A critical review - L. Evangelisti, C. Guattari, F. Asdrubali - Energy & Buildings 183 (2019) 607–625.

33. Exploring the compatibility of “Method A” and “Method B” data collection protocols reported in the ISO/TS 12913-2:2018 for urban soundscape via a soundwalk - F. Aletta, C. Guattari, L. Evangelisti, F. Asdrubali, T. Oberman, J. Kang - Applied Acoustics 155 (2019) 190-203.
34. Comparison between heat-flow meter and Air-Surface Temperature Ratio techniques for assembled panels thermal characterization – L. Evangelisti, C. Guattari, F. Asdrubali – Energy and Buildings 203 (2019)109441.
35. Green roof for Zero Energy Buildings: a pilot project - F. Asdrubali, L. Evangelisti, C. Guattari - IOP Conference Series: Materials Science and Engineering 609 (2019) 072011.
36. Influence of LCA procedure on the green building rating tools outcomes - F. Asdrubali, F. Bisegna, L. Evangelisti, C. Guattari, B. Mattoni - IOP Conference Series: Materials Science and Engineering 609 (2019) 072044.
37. Latest advances on solar thermal collectors: A comprehensive review – L. Evangelisti, R. De Lieto Vollaro, F. Asdrubali - Renewable and Sustainable Energy Reviews 114 (2019) 109318.
38. An experimental investigation of the thermal performance of a building solar shading device – L. Evangelisti, C. Guattari, F. Asdrubali, R. De Lieto Vollaro – Journal of Building Engineering 28 (2020) 101089.
39. Experimental evaluation and numerical simulation of the thermal performance of a green roof - C. Guattari, L. Evangelisti, F. Asdrubali, R. De Lieto Vollaro – Applied Sciences 10(5) (2020) 1767.
40. A methodological approach for heat-flow meter data post-processing under different climatic conditions and wall orientations – L. Evangelisti, C. Guattari, R. De Lieto Vollaro, F. Asdrubali - Energy & Buildings 223 (2020) 110216.
41. Urban heat island mitigation strategies: Experimental and numerical analysis of a university campus in Rome (Italy) – G. Battista, L. Evangelisti, C. Guattari, E. De Lieto Vollaro, R. De Lieto Vollaro, F. Asdrubali – Sustainability 12 (2020) 1-18.
42. On the energy performance of an innovative green roof in the mediterranean climate – L. Evangelisti, C. Guattari, G. Grazieschi, M. Roncone, F. Asdrubali – Energies 13 (2020) 5163.
43. On the thermophysical performance optimization of italian schools of the 60s: A case study in Ostia (Rm) – F. Asdrubali, L. Evangelisti, L. Fontana, C. Guattari, I. Montella, P. Prestininzi, G. Salerno, C. Tonelli - Building Simulation Applications (2020) 299-305.
44. An evaluation of the environmental payback times and economic convenience in an energy requalification of a school – F. Asdrubali, D. Venanzi, L. Evangelisti, C. Guattari, G. Grazieschi, P. Matteucci, M. Roncone – Buildings (2021) 12.
45. On the retrofit of existing buildings with aerogel panels: Energy, environmental and economic issues – P. Marrone, F. Asdrubali, D, Venanzi, F. Orsini, L. Evangelisti, C. Guattari, R. De Lieto Vollaro, L. Fontana, G. grazieschi, P. Matteucci, M. Roncone – Energies (2021) 1276.
46. Preliminary analysis of the influence of environmental boundary conditions on convective heat transfer coefficients – L. Evangelisti, C. Guattari, T. De Rubeis - Journal of Physics: Conference Series (2021) 012024.
47. On the equivalent thermo-physical properties for modeling building walls with unknown stratigraphy – L. Evangelisti, R. De Lieto Vollaro, F. Asdrubali - Energy (2022) 121679.
48. On the ageing and weathering effects in assembled modular facades: On-site experimental measurements in an Italian building of the 1960s – L. Evangelisti, C. Guattari, L. Fontana, R. De Lieto Vollaro, F. Asdrubali - Journal of Building Engineering (2022) 103519.
49. Comparison between Heat Flow Meter (HFM) and Thermometric (THM) Method for Building Wall Thermal Characterization: Latest Advances and Critical Review – L. Evangelisti, A. Scorza, R. De Lieto Vollaro, S.A. Sciuto - Sustainability (2022) 693.

50. On the influence of environmental boundary conditions on surface thermal resistance of walls: experimental evaluation through a Guarded Hot Box – T. de Rubeis, L. Evangelisti, C. Guattari, P. De Berardinis, F. Asdrubali, D. Ambrosini – Case Studies in Thermal Engineering 34 (2022) 101915.
51. T. de Rubeis, L. Evangelisti, C. Guattari, D. Paoletti, F. Asdrubali, D. Ambrosini – How Do Temperature Differences and Stable Thermal Conditions Affect the Heat Flux Meter (HFM) Measurements of Walls? Laboratory Experimental Analysis – Energies 15 (2022) 4746.
52. Urban Overheating Mitigation Strategies Opportunities: A Case Study of a Square in Rome (Italy)
53. Space-time estimation of the urban heat island in Rome (Italy): Overall assessment and effects on the energy performance of buildings - Battista, G., Evangelisti, L., Guattari, C., Roncone, M., Balaras, C.A. - *Building and Environment*, 2023, 228, 109878.
54. Experimental Analysis of the Thermal Performance of Wood Fiber Insulating Panels - Asdrubali, F., Evangelisti, L., Guattari, C., Roncone, M., Milone, D. - *Sustainability (Switzerland)*, 2023, 15(3), 1963.
55. Convergence criteria analysis for thermal conductance measurements of building walls: A case study - Evangelisti, L., Guattari, C., De Lieto Vollaro, E., Asdrubali, F. - Case Studies in Thermal Engineering, 2023, 49, 103249.
56. Annual Comparison of the Atmospheric Urban Heat Island in Rome (Italy): An Assessment in Space and Time - De Cristo, E., Evangelisti, L., Battista, G., Guattari C., De Lieto Vollaro, R., Asdrubali, F. - Buildings, 2023, 13(11), 2792.
57. An Extensive Study of the Urban Heat Island Phenomenon in Rome, Italy: Implications for Building Energy Performance Through Data from Multiple Meteorological Stations - Battista, G., Evangelisti, L., Guattari, C., De Cristo E., De Lieto Vollaro, R., Asdrubali, F. - International Journal of Sustainable Development and Planning, 2023, 18(11), pp. 3357–3362.
58. Heat flux measurement approach for an enhanced thermometric method: preliminary tests - Evangelisti, L., Barbaro, L., De Cristo, E., Guattari C., Asdrubali, F., De Lieto Vollaro, R. - Journal of Physics: Conference Series, 2024, 2685(1), 012051.
59. Towards an improved thermometric method: Convective and radiative heat transfer for heat flux measurement through an indirect approach - Evangelisti, L., Barbaro, L., De Cristo, E., Guattari, C., D'Orazio, T. - Thermal Science and Engineering Progress, 2024, 49, 102479.

Non-indexed international journals

1. A new method of technical analysis to optimise the design of low impact energy systems for buildings, R. De Lieto Vollaro, M. Calvesi, G. Battista, L. Evangelisti, P. Gori, C. Guattari - IJETI (International Journal of Engineering and Technology Innovation), vol. 3, no. 4, 2013, pp. 241-250.
2. Influence of shading and transparent surfaces on historical building energy retrofit – L. Evangelisti, C. Guattari, G. Battista, L. Santarpia - Applied Mechanics and Materials 737 (2015) 173-177.
3. Energy system feasibility of a high efficient building – G. Battista, L. Evangelisti, C. Guattari, A. Fanchiotti, L. Santarpia - Applied Mechanics and Materials 737 (2015) 159-163.
4. Predictive models for evaluating mobility buses thermal performance – L. Evangelisti, G. Battista, C. Guattari, R. De Lieto Vollaro, L. Santarpia - Applied Mechanics and Materials 737 (2015) 313-317.

5. Energy retrofit of historical buildings based on windowed elements – C. Guattari, G. Battista, L. Evangelisti, A. Fanchiotti, L. Santarpia - Applied Mechanics and Materials 737 (2015) 154-158.
6. In situ thermal characterization of existing buildings aiming at NZEB standard: a methodological approach – L. Evangelisti, C. Guattari, F. Asdrubali, R. De Lieto Vollaro - Developments in the Built Environment 2 (2020) 100008.

National magazines

1. Verso un linguaggio di sostenibilità condiviso: analisi critica di protocolli di certificazione ambientale degli edifici - F. Asdrubali, F. Bisegna, L. De Santoli, L. Evangelisti, C. Guattari, B. Mattoni, G. Rizzo – AICARR Journal NR. 52 - OTT. 2018, Riqualificazione energetica - Recupero di calore.
2. Monitoraggio e simulazione dinamica di un edificio pilota dotato di tetto verde – F. Asdrubali, L. Evangelisti, C. Guattari, A. Marzi, M. Roncone – AICARR Journal vol. 59, n. 6, 40-44, 2019.

Contributions to volume

1. *Green Buildings Rating Systems*, F. Bisegna, L. Evangelisti, P. Gori, C. Guattari, B. Mattoni, capitolo del libro "*Handbook of Energy Efficiency in Buildings, A Life Cycle Approach, 1st Edition*", ELSEVIER, ISBN: 9780128128176.
2. *Effectiveness of Materials, Technologies, and Renewable Energy in Educational Buildings Through Cluster Analysis of Energy Retrofitting*, F. Asdrubali, L. Calcagnini, L. Evangelisti, C. Guattari, P. Marrone, capitolo del libro "*Sustainable Building for a Cleaner Environment, Selected Papers from the World Renewable Energy Network's Med Green Forum 2017*", ISBN 9783319945958.
3. "*Esercizi di Fisica Tecnica*", F. Asdrubali, C. Guattari, L. Evangelisti, Morlacchi Editore U.P. (2018), ISBN: 9788893920148.
4. "*Impianti Termotecnici*", R. de Lieto Vollaro, L. Evangelisti, G. Battista, E. de Lieto Vollaro, Edizioni Efesto (2022), ISBN: 9788833813110.

Conference proceedings

International conferences

1. Preliminary analysis of the influence of environmental boundary conditions on convective heat transfer coefficients – L. Evangelisti, C. Guattari, T. de Rubeis – 38th UIT international conference – 2020 Gaeta (Italy).
2. Green roof for Zero Energy Buildings: a pilot project - F. Asdrubali, L. Evangelisti, C. Guattari - 10th int. conference on Indoor Air Quality, Ventilation and Energy Conservation in buildings - 5 – 7 September 2019, Bari, Italy.
3. Influence of LCA procedure on the green building rating tools outcomes - F. Asdrubali, F. Bisegna, L. Evangelisti, C. Guattari, B. Mattoni - 10th int. conference on Indoor Air Quality, Ventilation and Energy Conservation in buildings - 5 – 7 September 2019, Bari, Italy.

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1. Influence of environmental boundary conditions on convective heat transfer coefficients of wall internal surface – T. de Rubeis, L. Evangelisti, C. Guattari, R. De Lieto Vollaro, F. Asdrubali, D. Ambrosini, D. Paoletti - 76° Congresso Nazionale ATI, Roma, 15-17 settembre 2021.
2. Valutazione dei tempi di ritorno energetici e ambientali e della convenienza economica per la riqualificazione energetica di una scuola – F. Asdrubali, D. Venanzi, L. Evangelisti, C. Guattari, G. Grazieschi, P. Matteucci, M. Roncone – XIV Convegno della Rete Italiana LCA, 17-19 giugno 2020.
3. Analisi sperimentale delle prestazioni termiche di un sistema di isolamento a cappotto con pannelli in aerogel – F. Asdrubali, P. Marrone, L. Fontana, F. Orsini, C. Guattari, L. Evangelisti, M. Roncone, R. De Lieto Vollaro - 20° Congresso Nazionale CIRIAF, Perugia, 16-17 Aprile 2020.
4. Life Cycle Analysis applications for Nearly Zero Energy Buildings - F. Asdrubali, L. Evangelisti, G. Grazieschi, C. Guattari - XIII Convegno della Rete Italiana LCA, 13-14 giugno 2019.
5. Caratterizzazione del paesaggio sonoro e visivo di un campus universitario - Francesco Asdrubali, Luca Evangelisti, Marco Frascarolo, Claudia Guattari - Associazione Italiana di Acustica 46° Convegno Nazionale Pesaro, 29-31 maggio 2019.
6. Metasuperfici acustiche sostenibili per il fonoisolamento - C. Guattari, L. Evangelisti, R. De Lieto Vollaro, M. Barbuto, A. Monti, F. Bilotti, A. Toscano - Associazione Italiana di Acustica 46° Convegno Nazionale Pesaro, 29-31 maggio 2019.
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10. Influence of insulating materials on green building rating systems results - F. Asdrubali, P. Gori, C. Guattari, L. Evangelisti, F. Bisegna, B. Mattoni, S. Sambuco - 16° Congresso Nazionale CIRIAF, Perugia, 7-9 Aprile 2016.
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