Vincenzo Corrado

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1 / 6

in the Alps"

Vincenzo Corrado

[2022 – Attuale]
PRIN 2020: Progetto di ricerca di rilevante interesse nazionale sul tema della "Urban Reference Buildings for Energy Modelling"

[2021 – Attuale]
H2020-LC-SC3-EE-2020-2: progetto europeo TIMEPAC (Towards innovative methods for energy performance assessment and certification of buildings)

[2020 – 2023]
Erasmus+ KA2: progetto europeo di cooperazione per l'innovazione e lo scambio di buone pratiche Energy Efficiency Expert

[2017 – 2020]
PRIN 2015: Progetto di ricerca di rilevante interesse nazionale sul tema della "Riqualificazione del parco edilizio esistente in ottica nZEB (nearly Zero Energy Buildings)): costruzione di un network nazionale per la ricerca"

[2014 – 2016]
CIP-IEE-2013: Progetto europeo RePublic_ZEB (Refurbishment of the Public building stock towards nZEB)

[2013 – 2016]
FP7-SMARTCITIES-2013: Progetto europeo OPTIMUS (OPTIMising the energy USe in cities with smart decision support system)

[2013 – 2016]
CIP-IEE-2012: Progetto europeo EPISCOPE (Energy Performance Indicator Tracking Schemes for the Continuous Optimisation of Refurbishment Processes in European Housing Stocks)

[2009 – 2014]
FP7-2011-ICT-7: Progetto europeo SEMANCO (Semantic Tools for Carbon Reduction in Urban Planning)

[2011 – 2013]
POR-FESR 2007/2013: Progetto Isol.Int.Inn.

[2011 – 2012]
POR-FESR 2007/2013: Progetto Skytherm

[2009 – 2012]
CIP-IEE-2008: Progetto europeo TABULA (Typology Approach for Building Stock Energy Assessment)

[2007 – 2010]
CIPE 2006: Progetto DAWNING – (Development and application of wireless technology for building energy and environmental audit)

[2007 – 2009]
PRIN 2006: Progetto di ricerca di rilevante interesse nazionale su "Analisi di edifici esistenti e studio della connessione tra prestazione energetica del sistema edificio-impianti, qualità dell'ambiente interno e comportamento dell'utenza"

[2006 – 2008]
EIE-05: Progetto europeo DATAMINE (Collecting DATA from energy certification to Monitor performance Indicators for New and Existing buildings)

CONFERENZE E SEMINARI

[02/09/2019 – 04/09/2019] Roma

Chair della 16th International Building Performance Simulation Association Conference (Building Simulation 2019)

[14/06/2015 – 17/06/2015] Torino

Co-chair della 6th International Building Physics Conference

PUBBLICAZIONI

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[2023]

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[2022]

Improvements of simplified hourly models for the energy assessment of buildings: The application of EN ISO 52016 in Italy

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[2021]

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[2021]

On the improvement of indoor environmental quality, energy performance and costs for a commercial nearly zero-energy building

Science and Technology for the Built Environment, 27(8), 1056–1074

[2021]

Analysing the future energy performance of residential buildings in the most populated Italian climatic zone: A study of climate change impacts

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[2021]

A Comparative Analysis of Different Future Weather Data for Building Energy Performance Simulation

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A Methodology to Investigate the Deviations between Simple and Detailed Dynamic Methods for the Building Energy Performance Assessment

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[2020]

Use of Energy Performance Certificates data repositories in Urban Building Energy Models

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[2020]

Renovation of a social house into a NZEB: Use of renewable energy sources and economic implications

Renewable Energy, Volume 159, October 2020, Pages 356-370

[2020]

Influence of the Meteorological Record Length on the Generation of Representative Weather Files

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[2020]

Improved procedure for the construction of a Typical Meteorological Year for assessing the energy need of a residential building

Journal of Building Performance Simulation, 13(2), 139–151

[2019]

Transformation of an office building into a nearly zero energy building (NZEB): Implications for thermal and visual comfort and energy performance

Energies, 2019, 12(5), 895

[2019]

Energy and environmental payback times for an NZEB retrofit

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[2018]

Energy efficiency in buildings research perspectives and trends

Thermal Science, 2018, Volume 22, Suppl. 4, Pages S971-S976

[2018]

On the Limits of the Quasi-Steady-State Method to Predict the Energy Performance of Low-Energy Buildings

Thermal Science, 2018, Volume 22, Suppl. 4, Pages 1117-1127

[2017]

Data analytics for occupancy patterns learning to reduce energy consumption of HVAC systems in office buildings

Sustainable Cities and Society, Volume 35, November 2017, Pages 191-208

[2017]

A New Methodology for Assessing the Energy Consumption of Building Stocks

Energies, 2017, 10(8), 1102

[2017]

Energy refurbishment of the Italian residential building stock: energy and cost analysis through the application of the building typology

Energy Policy, Volume 105, June 2017, Pages 148-160

[2017]

Impact of daylighting on total energy use in offices of varying architectural features in Italy. Results from a parametric study

Building and Environment, Volume 113, 15 February 2017, Pages 151-162

[2016]

Refurbishment trends of the residential building stock: analysis of a regional pilot case in Italy

Energy and Buildings, Volume 132, 15 November 2016, Pages 91-106

[2016]

New equivalent parameters for thermal characterization of opaque building envelope components under dynamic conditions

Applied Energy, Volume 163, 1 February 2016, Pages 313-322

[2015]

Data structuring for the ontological modelling of urban energy systems: the experience of the SEMANCO project

Sustainable Cities and Society, Volume 14, February 2015, Pages 223-235

[2014]

Use of reference buildings to assess the energy saving potentials of the residential building stock: the experience of TABULA Project

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[2013]

A building thermal bridges sensitivity analysis

Applied Energy, Volume 107, July 2013, Pages 229-243

[2012]

Analysis of the building energy balance to investigate the effect of thermal insulation in summer conditions

Energy and Buildings, Volume 52, September 2012, Pages 168-180

[2011]

Calculation procedure of the shading factor under complex boundary conditions

Solar Energy, Volume 85, Issue 10, October 2011, Pages 2524-2539

[2010]

Use of the ANOVA approach for sensitive building energy design

Applied Energy, Volume 87, Issue 10, October 2010, Pages 3073-3083

[2010]

A model to design and optimize multi-energy systems in buildings at the design concept stage

Renewable Energy, Volume 35, Issue 3, March 2010, Pages 644-655

[2009]

Uncertainty and Sensitivity Analysis for Building Energy Rating

Journal of Building Physics, 2009;33(2):125-156

[2009]

Application of energy rating methods to the existing building stock. Analysis of some residential buildings in Turin

Energy and Buildings, Volume 41, Issue 7, July 2009, Pages 790-800

[2008]

[Comparison between measured and calculated parameters for the acoustical characterization of small classrooms](#)

Applied Acoustics, Volume 69, Issue 11, November 2008, Pages 966-976

[2008]

[A method for heating consumption assessment in existing buildings: a field survey concerning 120 Italian schools](#)

Energy and Buildings, Volume 40, Issue 5, 2008, Pages 801-809

[2007]

[Assessment of building cooling energy need through a quasi-steady state method: simplified correlation for gain – loss mismatch](#)

Energy and Buildings, Volume 39, Issue 5, May 2007, Pages 569-579

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

Torino, 23/04/2024

Vincenzo Corrado