

ELENCO PUBBLICAZIONI PRODOTTE UO1

1. Domenico Mazzeo, Piercarlo Romagnoni, Nicoletta Matera, Giuseppe Oliveti, Cristina Cornaro, Livio de Santoli, 2019. EnergyPlus, IDA ICE and TRNSYS predictive simulation accuracy for building thermal behaviour evaluation by using an experimental campaign in solar test boxes with and without a PCM module. Accepted with major revision in Energy and Buildings.
2. G. Spiridigliozi, L. De Santoli, C. Cornaro, G. Lo Basso, S. Barati, 2019. BIM Tools Interoperability For Designing Energy-Efficient Buildings. Proceedings of ATI Conference, 11-13 september, 2019, Modena, Italy, to be published as AIP proceedings.
3. G. Spiridigliozi, L. Pompei, C. Cornaro, L. De Santoli, F. Bisegna, 2019. BIM-BEM support tools for early stages of zero-energy building design, 2019 IOP Conf. Ser.: Mater. Sci. Eng. 609 072075.
4. Frasca F., Cornaro C., Verticchio E., Siani AM., 2019. Optimising conservation of artworks, energy performance and thermal comfort combining hygrothermal dynamic simulation and on-site measurements in historic buildings. Proceedings of BS2019, Rome 2-4 September.
5. Mazzeo, D.; Romagnoni, P. ; Matera, N.; Oliveti, G.; Cornaro, C.; De Santoli, L., 2019. Integration of PCM Layers in the Building Envelope: Part 1 - Comparison of the Thermal Predictions of Four Dynamic Simulation Tools with Experimental Results of a Small-Scale Test Box. Proceedings of BS2019, Rome 2-4 September.
6. Angelotti, A.; Mazzarella, L.; Cornaro, C.; Ballarini, I.; De Luca, G.; Corrado, V.; Prada, A.; Baggio, P., 2019. Dynamic Simulation of Existing Buildings: Developing a Methodology for Model Calibration. Proceedings of BS2019, Rome 2-4 September.
7. F. Frasca, C. Cornaro and A. M. Siani, 2019. A method based on environmental monitoring and building dynamic simulation to assess indoor climate control strategies in the preventive conservation within historical buildings, *Science and Technology for the Built Environment*, 25:9, 1253-1268, DOI: 10.1080/23744731.2019.1642093
8. Giulia Spiridigliozi, Laura Pompei, Livio De Santoli, Cristina Cornaro, Fabio Bisegna, 2019. Testing the Revit-EnergyPlus interoperability by the use of Ladybug tools. Proceedings of BSA2019, 19-21 June, 2019, Bolzano, Italy.
9. Cornaro C., Bosco F., Lauria M., Puggioni V.A., 2019. Effectiveness of automatic and manual calibration of an office building energy model for evaluation of retrofit and control strategies solutions. *Appl. Sci.* 2019, 9, 1985, Special Issue «Energy efficiency in buildings and innovative materials for building construction».
10. Frasca F., Cornaro C., Siani AM., 2018. A method for an effective microclimate management in historical buildings combining monitoring and dynamic simulation: the case of "Museo Archeologico di Priverno". Proceedings of IBPC 2018, 23-26 September 2018, Syracuse, USA.
11. Bosco, F., Lauria, M., Puggioni, V.A., Cornaro, C., 2018. A Full Automatic Procedure for the Evaluation of Retrofit Solutions of an Office Building Towards NZEB. Proceedings - 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe, EEEIC/I and CPS Europe 20188493639.
12. Cornaro, C., Renzi, L., Pierro, M., Di Carlo, A., Guglielmotti, A., 2018. Thermal and Electrical Characterization of a Semi-Transparent Dye-Sensitized Photovoltaic Module under Real Operating Conditions. *Energies* 2018, 11, 155.
13. Cornaro C., Basciano G., Pierro M., Puggioni, V.A., 2017. Energy Saving Assessment of Semi-Transparent Photovoltaic Modules Integrated into NZEB. *Buildings*, 7(1), 9.
14. Cornaro C., Pierro M., Roncarati D., Puggioni V.A., 2017. Validation of a PCM simulation tool in IDA ICE dynamic building simulation software using experimental data from Solar Test Boxes. Proceedings of Building Simulation Applications (BSA) conference, Bolzano 8-10 February, 2017.
15. Frasca F., Siani A.M, Cornaro C., 2017. On-site measurements and whole-building thermal dynamic simulation of a semi-confined prefabricated building for heritage conservation. Proceedings of Building Simulation Applications (BSA) conference, Bolzano 8-10 February, 2017.
16. Barati S., De Santoli L., Lo Basso G., Spiridigliozi G., Comparison CO₂ Emissions of Combined Heat and Power Devices Fueled with Hydrogen Enriched Natural Gas Blends. 5th international conference on advances in mechanical engineering Istanbul 2019
17. Barati S., De Santoli L., Lo Basso G., D'Ambra S., Fasolilli C., Seasonal energy and environmental characterization of a micro gas turbine fueled with H2NG blends. 2019. *Energy* 193 (2020) 116678
18. De Santoli, L., Basso, G.L., Spiridigliozi, G., Garcia, D.A., Innovative Hybrid Energy Systems for Heading Towards NZEB Qualification for Existing Buildings. Proceedings - 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe,

EEEIC/I and CPS Europe 2018 8494544

19. De Santoli, L., Basso, G.L., Garcia, D.A., Piras, G., Spiridigliozi, G. Dynamic simulation model of trans-critical carbon dioxide heat pump application for boosting low temperature distribution networks in dwellings. 2019 Energies 12(3),484

ELENCO PUBBLICAZIONI PRODOTTE UO2

1. G.Ficco, G.Betta, M.Dell'Isola, L.Ferrigno, P.Vigo, Problematiche di misura in campo della trasmittanza termica negli edifici mediante tecnica termoflussimetrica. I Forum Nazionale delle Misure, Modena, 13-16 Settembre 2017
2. G. Cortellessa, F.Arpinò, M.Dell'Isola, G.Ficco, L.Iacomini, V.Fernicola, F.Bertiglia. Experimental and numerical analysis in heat flow sensors calibration. 2019, Journal of Thermal Analysis and Calorimetry
3. G. Cortellessa, L. Iacomini, A novel calibration system for heat flow meters: Experimental and numerical analysis, Measurement: Journal Of The International Measurement Confederation, vol. 144, p. 105-117, 2019
4. F.R. d'Ambrosio Alfano, M.Dell'Isola, G.Ficco, B.I.Palella, G.Riccio, A.Frattolillo Thermal Comfort in Supermarket's Refrigerated Areas: an Integrated Survey in Central Italy. Building and Environment 166 (2019).
5. M.Dell'Isola, G.Ficco, A.Frattolillo, R. Ricciu, F.Zuena. On the influence of solar radiation on U-Value in-situ measurements: correction, isolation and compensation of solar radiation effects on U-Value in-situ measurements (in process).
6. Stabile, L., Dell'Isola, M., Russi, A., Massimo, A., Buonanno, G., 2017. The effect of natural ventilation strategy on indoor air quality in schools. Science of the Total Environment 595, 894-902.
7. Dell'Isola M., Stabile L., Vigo P., Ficco G., Frattolillo A., Ricciu R., d'Ambrosio F.R., Bellia L., Palella B.I., Riccio G., 2018. Interventi di retrofit, IEQ e risparmio energetico. AICARR Journal 51, 43-46.
8. L. De Santoli, D. Astiaso Garcia, D. Groppi, G. Cuccurullo, F. R. d'Ambrosio, A. Frattolillo, L. Bellia, B. I. Palella, G. Riccio, L. Stabile, M. Dell'Isola, G. Ficco, A. Russi, G. Giovinco. A general approach for retrofit of existing buildings towards NZEB. In Proceedings of IEEE 2018 Palermo
9. M.Dell'Isola, M.C. Mascolo, P.Vigo, G.Ficco, A.Frattolillo, R.Ricciu, F.R. d'Ambrosio, L.Bellia, B.I. Palella, G.Riccio. Speciale PRIN NZEB. La piattaforma collaborativa per lo sviluppo e l'implementazione degli edifici a energia quasi zero. Interventi di retrofit, IEQ e risparmio energetico. AICARR Journal Vol.51 (2018)
10. Stabile, L., Buonanno, G., Frattolillo, A., Dell'Isola, M., 2019. The effect of the ventilation retrofit in a school on CO₂, airborne particles, and energy consumptions. Building and Environment 156, 1–11
11. Stabile, L., Massimo, A., Canale, L., Russi, A., Andrade, A., Dell'Isola, M., 2019. The Effect of Ventilation Strategies on Indoor Air Quality and Energy Consumptions in Classrooms. Buildings 9(5).
12. L. Stabile, M. Dell'Isola, D. Di Napoli, A. Frattolillo, B.I. Palella. Confronto sperimentale tra tecniche di misura della ventilazione naturale degli edifici. AICARR Journal (under review).
13. I.Bertini, L.Canale, M.Dell'Isola, B.Di Pietra, G.Ficco, G.Puglisi, S. Stoklin. Impatto della contabilizzazione del calore sui consumi energetici in Italia. 17th CIRIAF National Congress, Perugia, Italy. April 6-7, 2017
14. L. Canale, M. Dell'Isola, G. Ficco, B. Di Pietra. Estimating the impact of heat accounting on Italian residential energy consumptions in different scenarios. Energy & Buildings 168 (2018) 385–398
15. Bertini, L. Canale, M. Dell'Isola, B. Di Pietra, G. Ficco, G.Puglisi. Preliminari analysis of the potential benefit of thermoregulation systems and individual metering of heat consumptions in the Italian residential building stock. 2nd Geoprocess Global Forum, International conference on sustainability and energy issues. September 7-8, 2017, Bruxelles
16. M. Dell'Isola, G. Ficco, L. Canale, A. Frattolillo, I. Bertini. A new heat cost allocation method for social housing. Energy & Buildings 172 (2018) 67–77
17. G.Ficco, G.Betta, M.Dell'Isola, L.Ferrigno, P.Vigo, Analisi dell'incertezza nei sistemi distribuiti di contabilizzazione del calore negli edifici. II Forum Nazionale delle Misure, Padova, 17-19 Settembre 2018
18. L.Piterà, M. Dell'Isola, G. Ficco, L. Canale, I. Bertini, B. Di Pietra, G. Puglisi. Contabilizzazione del calore: Luci ed ombre. AICARR Journal Vol.53 (2018)
19. M.Dell'Isola, G.Ficco, L.Canale, B.I.Palella, G.Puglisi. An IoT-based integrated tool for testing energy consumption user awareness. IN Proceedings of the AICARR 51th international Congress. Venice 20-22 February 2019

20. G.Ficco, M.Dell'Isola, P.Vigo, G.Betta, L.Ferrigno, V.Fernicola, A.Malengo, F.Saba. Verifica successiva e in servizio dei contatori di calore mediante master meter clamp-on. III Forum Nazionale delle Misure, Perugia, 12-14 Settembre 2019
21. L.Canale, G.Cortellessa, M. Dell'Isola, G.Ficco, A.Frattolillo, F.Zuena, A.Castaldi. A comparative analysis among Standard Load Profiles for Natural Gas consumption simulation at urban scale. In Proceedings of BS 2019, Rome 02-04 September
22. R. Marchesi, F. Rinaldi, C. Tarini, F. Arpino, G. Cortellessa, M. Dell'Isola, G. Ficco. Experimental analysis of radiators' thermal output for heat accounting. 2019 Thermal Science, 23(2PartB), pp. 989-1002
23. L.Canale, M.Dell'Isola, G.Ficco, T.Cholewa, S.Siggelsten, I.Balen. A comprehensive review on heat accounting and cost allocation in residential buildings in EU. Energy & Buildings 202 (2019) 109398
24. G. Ficco, A. Frattolillo, A. Malengo, F. Saba, F. Zuena, G. Puglisi. Field verification of thermal energy meters through ultrasonic clamp-on master meters. 2019 Measurement (in press)
25. M. Dell'Isola, G. Ficco, F.M. Masoero, G. Puglisi, F. Saba. An innovative measurement method for heat accounting in historical buildings (in process)

ELENCO PUBBLICAZIONI PRODOTTE U03

1. Righi A., Dalla Mora T., Peron F., Romagnoni P., Cost-Optimal measures for renovation of existing school buildings towards nZEB. Energy Procedia, 50th AICARR International Conference Matera 2017, "Beyond NZEB Buildings", 10-11 Maggio 2017.
2. Guolo E., Pistore L., Romagnoni P., The role of the reference building in the evaluation of energy efficiency measures for large stocks of public buildings, E3S Web of Conferences 111, CLIMA 2019, 03017 (2019), Bucarest 26-29 May 2019, Paper ID 292, <https://doi.org/10.1051/e3sconf/201911103017>
3. Righi A., Dalla Mora T., Peron F., Romagnoni P., Historical buildings retrofit: The city hall of the city of Motta di Livenza (TV). Energy Procedia, CLIMAMED 2017, Conference Matera "Historical Building Retrofit in the Mediterranean Area", 12-13 Maggio 2017.
4. Boscato G., Dalla Mora T., Peron F., Russo S., Romagnoni P., A new concrete-glulam prefabricated composite wall system: Thermal behaviour, life cycle assessment and structural response. Journal of Building Engineering, 2018; 19:384-401.
5. Guolo E., Cappelletti F., Romagnoni P., Raggiotto F., Environmental impacts for polyurethane panels, E3S Web of Conferences 111, CLIMA 2019, 03063 (2019), Bucarest 26-29 May 2019, Paper ID 95, <https://doi.org/10.1051/e3sconf/201911103063>
6. Mazzeo D., Oliveti G., Arcuri N., Data demonstrating the influence of the latent storage efficiency on the dynamic thermal characteristics of a PCM layer. Data Brief 2017;12:274-276.
7. Mazzeo D., Oliveti G., Arcuri N., A method for thermal dimensioning and for energy behaviour evaluation of a building envelope PCM layer by using the characteristic days. Energies 2017;10(5):659.
8. Mazzeo D., Oliveti G., Arcuri N., Definition of a new set of parameters for the dynamic thermal characterization of PCM layers in the presence of one or more liquid-solid interfaces. Energy Build 2017;141:379-396.
9. Mazzeo D., Oliveti G., Thermal field and heat storage in a cyclic phase change process caused by several moving melting and solidification interfaces in the layer. Int J Therm Sci 2018; 129:462-488.
10. Arcuri N., Bruno R., Carpino C., Study of innovative solutions of the building envelope for passive houses in Mediterranean area. Energy Procedia, 50th AICARR International Conference Matera 2017, "Beyond NZEB Buildings", 10-11 Maggio 2017.
11. Arcuri N., Bruno R., Carpino C., Statistical analysis of the heating demand in residential buildings located in Mediterranean climate and proposals for refurbishment. Energy Procedia, CLIMAMED 2017, Conference Matera "Historical Building Retrofit in the Mediterranean Area", 12-13 Maggio 2017.
12. Matera N., Bevilacqua P., Arcuri N., Oliveti G., Mazzeo D., Romagnoni P., Optimal design of PCM in internal walls for nZEB buildings. In: 18° EEEIC International Conference on Environment and Electrical Engineering. Palermo, Italia, 12-15 GIUGNO 2018.
13. Mazzeo D., Romagnoni P., Matera N., Oliveti G., Cornaro C., De Santoli L., Accuracy of the most popular building performance simulation tools: experimental comparison for a conventional and a PCM-based test box, In: Building Simulation 2019 Conference, Roma dal 2 Settembre al 4 Settembre 2019.

ELENCO PUBBLICAZIONI PRODOTTE UO4

1. Attaianese, E., d'Ambrosio Alfano, F.R., Palella, B.I. (2018). An Ergonomic Approach of IEQ Assessment: A Case Study. Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018) Volume VIII: Ergonomics and Human Factors in Manufacturing, Agriculture, Building and Construction, Sustainable Development and Mining (Bagnara S., Tartaglia R., Albolino S., Alexander T., Fujita Y. Eds), 504-513. Berlin: Springer. DOI: 10.1007/978-3-319-96068-5.
2. d'Ambrosio Alfano, F.R., Dell'Isola, M., Ficco, G., Frattolillo, A., Palella, B.I., Riccio G. (2018). Le condizioni di comfort termico nelle aree refrigerate dei supermarket. AICARR Journal, 49, pp 64-67.
3. d'Ambrosio Alfano, F.R., Bellia, L., Fragliasso F., Palella B.I., Riccio, G. (2019). Thermal comfort and visual interaction: a subjective survey. Proceedings of the 51st International AiCARR Conference, The Human Dimension of Building Energy Performance, Venice, Italy February 20-22th. pp. 35-48. ISBN 9788895620633.
4. d'Ambrosio Alfano, F.R., Bellia, L., Fragliasso F., Palella B.I., Riccio, G. (2019). Hue-Heat Hypothesis: A Step forward for a Holistic Approach to IEQ. E3S Web of Conferences 111, 2019. Clima 2019 Congress. Paper no. 02038. Doi: 10.1051/e3sconf/201911102038.
5. d'Ambrosio Alfano, F.R., Bellia, L., Fragliasso F., Palella B.I., Riccio, G. (2019) Dynamic simulation of a lighting system based on the Hue-Heat Hypothesis. 16 th IBPSA International Conference and Exhibition, Rome 2019 September 2th-4th, paper no. 201379.
6. d'Ambrosio Alfano, F.R., Bellia, L., Fragliasso F., Palella B.I., Riccio, G. (2019). Thermal comfort and visual interaction: a subjective survey. 10th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, IAQVEC, Bari, 2019 September 5th-7th. IOP Conf. Series: Materials Science and Engineering, vol 609, paper no 042061. Doi: 10.1088/1757-899X/609/4/042061.
7. d'Ambrosio Alfano, F.R., Dell'Isola M., Ficco G., Palella B.I., Riccio G., Frattolillo A. Thermal Comfort in Supermarket's Refrigerated Areas: an Integrated Survey in Central Italy. Building And Environment, vol 166 (paper 106410). Doi: 10.1016/j.buildenv.2019.106410.
8. G. Rigatos, G. Cuccurullo, P. Siano, M. Hamida and M. Abbaszadeh, A nonlinear optimal control approach for distributed marine-turbine power generation units, 17th International Conference Of Numerical Analysis And Applied Mathematics, Rhodes, 23-28 sept 2019
9. G. Rigatos, G. Cuccurullo, P. Siano, K. Busawon and M. Abbaszadeh, Nonlinear optimal control for the quadruple water tank system, 17th International Conference Of Numerical Analysis And Applied Mathematics, Rhodes, 23-28 sept 2019

ELENCO PUBBLICAZIONI PRODOTTE UO5

1. Asdrubali F, Baggio P, Prada A, Grazieschi G, Guattari C. Dynamic Life Cycle Assessment modelling of a NZEB building. *Energy; Under Review*.
2. Grazieschi G, Gori P, Lombardi L, Asdrubali F. Life cycle energy minimization of an autonomous building. *Submitted*.
3. Asdrubali F, Ballarini I, Corrado V, Evangelisti L, Grazieschi G, Guattari C. Energy and environmental payback times for an NZEB retrofit. *Building and Environment* 2019;147:461-472. doi: 10.1016/j.buildenv.2018.10.047
4. Ballarini I, De Luca G, Paragamyan A, Pellegrino A, Corrado V. Transformation of an Office Building into a Nearly Zero Energy Building (nZEB): Implications for Thermal and Visual Comfort and Energy Performance. *Energies* 2019;12:895. doi: 10.3390/en12050895
5. Asdrubali F, Evangelisti L, Guattari C. Green roof for Zero Energy Buildings: a pilot project. In: Proceedings of 10th int. conference on Indoor Air Quality, Ventilation and Energy Conservation in buildings, 5–7 September 2019, Bari, Italy, IOP Conf. Series: Materials Science and Engineering 609 (2019) 072011.
6. Mattoni B, Bisegna F, Evangelisti L, Guattari C, Asdrubali F. Influence of LCA procedure on the green building rating tools outcomes. In: Proceedings of 10th int. conference on Indoor Air Quality, Ventilation and Energy Conservation in buildings, 5–7 September 2019, Bari, Italy, IOP Conf. Series: Materials Science and Engineering 609 (2019) 072044.
7. Asdrubali F, Evangelisti L, Grazieschi G, Guattari C. Influence of Sky Temperatures on Building Energy Needs. In: Proceedings of 16th Conference of International Building Performance Simulation Association, 2–4 September 2019, Rome, Italy. *In publishing*.
8. Ballarini I, Costantino A, Fabrizio E, Corrado V. The Dynamic Model of EN ISO 52016-1 for the Energy

- Assessment of Buildings Compared to Simplified and Detailed Simulation Methods. In: Proceedings of 16th Conference of International Building Performance Simulation Association, 2–4 September 2019, Rome, Italy. *In publishing*.
9. Corrado V, Ballarini I, De Luca G, Primo E. Dynamic Simulation to identify Cost-Optimal Energy Requirements for the Italian Building Stock. In: Proceedings of 16th Conference of International Building Performance Simulation Association, 2–4 September 2019, Rome, Italy. *In publishing*.
 10. De Luca G, Ballarini I, Paragamyan A, Pellegrino A, Corrado V. Optimized Solutions For Thermal And Visual Comfort In The Design Of A Nearly Zero-Energy Building. In: Proceedings of 16th Conference of International Building Performance Simulation Association, 2–4 September 2019, Rome, Italy. *In publishing*.
 11. Lorenzati A, Ballarini I, De Luca G, Corrado V. Social Housing In Italy: Energy Audit And Dynamic Simulation Towards A nZEB Policy. In: Proceedings of 16th Conference of International Building Performance Simulation Association, 2–4 September 2019, Rome, Italy. *In publishing*.
 12. De Luca G, P.Tootkaboni M, Ballarini I, Corrado V. Comparison between the EN ISO 52016-1 hourly calculation method and a detailed full dynamic simulation. In: Building Simulation Applications BSA 2019 – 4th IBPSA Italy conference, 19-21 June 2019. Bozen-Bolzano, Italy. *Under review*.
 13. Asdrubali F, Evangelisti L, Guattari C, Grazieschi G. Evaluation of the Energy and Environmental Payback Time for a NZEB Building. In: 18th International Conference on Environment and Electrical Engineering, 12-15 June 2018, Palermo, Italy. doi:10.1109/EEEIC.2018.8494525.
 14. Ballarini I, De Luca G, Paragamyan A, Pellegrino A, Corrado V. Integration of thermal and visual comfort in the retrofit of existing buildings. Transformation of an office building into a nZEB. In: 18th International Conference on Environment and Electrical Engineering, 12-15 June 2018, Palermo, Italy. doi: 10.1109/EEEIC.2018.8493671
 15. Corrado V, Ballarini I, Filippidou F. Cost-Benefit Analysis of Building Renovation. In: Handbook of Energy Efficiency in Buildings, Desideri U, Asdrubali F Eds., Elsevier. ISBN: 978-0-12-812817-6 (in press).
 16. Ballarini I, Primo E, Corrado V. On the limits of the quasi-steady-state method to predict the energy performance of low-energy buildings. Thermal Science 2017; online. doi.org/10.2298/TSCI170724133B
 17. Ballarini I, Corrado V. A New Methodology for Assessing the Energy Consumption of Building Stocks. Energies 2017;10(8):1-22. doi:10.3390/en10081102.
 18. Ballarini I, Corrado V, Madonna F, Paduos S, Ravasio F. Energy refurbishment of the Italian residential building stock: energy and cost analysis through the application of the building typology. Energy Policy 2017;105:148-160. doi:10.1016/j.enpol.2017.02.026.
 19. Corrado V, Murano G, Paduos S, Riva G. La trasformazione degli edifici pubblici in nZEB (edifici a energia quasi zero). La Termotecnica 2017;2:46-51.
 20. Capozzoli A, Piscitelli MS, Gorrino A, Ballarini I, Corrado V. Data analytics for occupancy patterns learning to reduce energy consumption of HVAC systems in office buildings. Sustainable cities and society 2017;35:191-208. doi:10.1016/j.scs.2017.07.016.
 21. Pellegrino A, Cammarano S, Lo Verso V, Corrado V. Impact of daylighting on total energy use in offices of varying architectural features in Italy. Results from a parametric study. Building and Environment, 2017;113:151-162. doi:10.1016/j.buildenv.2016.09.012.
 22. Corrado V, Ballarini I, Paduos S, Tulipano L. A new procedure of energy audit and cost analysis for the transformation of a school into a nearly zero-energy building. Energy Procedia 2017;140:325-338. doi:10.1016/j.egypro.2017.11.146.
 23. Madonna F, Quaglia P, Corrado V, Croci L. Influence of Comfort Expectations on Building Energy Need. Energy Procedia 2017;140:265-276. doi:10.1016/j.egypro.2017.11.141.
 24. Murano G, Ballarini I, Dirutigliano D, Primo E, Corrado V. The significant imbalance of nZEB energy need for heating and cooling in Italian climatic zones. Energy Procedia 2017; 126:258-265. doi:10.1016/j.egypro.2017.08.150.
 25. Paduos S, Corrado V. Cost-optimal approach to transform the public buildings into nZEBs: an European cross-country comparison. Energy Procedia 2017;140:314-324. doi:10.1016/j.egypro.2017.11.145.
 26. Asdrubali F, Baldinelli G, Bianchi F, Evangelisti L, Gori P, Grazieschi G, Guattari C, Basilicata C. Heat transfer study of external convective and radiative coefficients. In: XVII Congresso Nazionale CIRIAF, 6-7 aprile 2017, Perugia, Italy.
 27. Ballarini I, Costantino A, Dirutigliano D, Fabrizio E, Paduos S, Corrado V. On the cost-optimal design: comparison of quasi-steady-state and dynamic simplified methods of calculation of H/C energy needs. In: Building Simulation Applications BSA 2017 – 3rd IBPSA Italy conference, 8–10 February 2017. Bozen-Bolzano, Italy.
 28. Corrado V, Ballarini I, Dirutigliano D, Murano G. Reference Building Approach Combined with Dynamic

- Simulation in Designing nZEBs. In: Building Simulation 2017 (BS 2017) – 15th Conference of International Building Performance Simulation Association, 7-9 August 2017, San Francisco (USA).
29. Corrado V, Ballarini I, Paduoa S, Primo E, Madonna F. Application of Dynamic Numerical Simulation to Investigate the Effects of Occupant Behaviour Changes in Retrofitted Buildings. In: Building Simulation 2017 (BS 2017) – 15th Conference of International Building Performance Simulation Association, 7-9 August 2017, San Francisco (USA).
 30. Dirutigliano D, Brüntjen MA, Fliegner C, Frisch J, Corrado V, Van Treeck C. Case study for energy efficiency measures of buildings on an urban scale. In: Building Simulation Applications BSA 2017 – 3rd IBPSA Italy conference, 8–10 February 2017. Bozen-Bolzano, Italy.
 31. Pellegrino A, Lo Verso VRM, Aghemo C, Blaso L, Fumagalli S. The New EN 15193-1 to Calculate the Energy Performance for Lighting in Buildings: Analysis and Application to Reference Building Types. In: Proceedings of Lux Europa 2017, Ljubljana, September 18-20, 2017.

ELENCO PUBBLICAZIONI PRODOTTE UO6

1. L. Mazzarella, M. Pasini. Integration time step issue in Mediterranean Historic Building energy simulation. Energy Procedia 133 (2017) 53-67. doi:10.1016/j.egypro.2017.09.371
2. Angelotti, M. Martire, L. Mazzarella, M. Pasini, P. Baggio, A. Prada, I. Ballarini, V. Corrado, G. De Luca, F. Bosco, C. Cornaro. Building Energy Simulation For Nearly Zero Energy Retrofit Design: The Model Calibration. Proc. 18th EEEIC 2018, Palermo, 2-5 giugno 2018, ISBN: 978-1-5386-5186-5/18/\$31.00 ©2018 IEEE.
3. Angelotti, M. Ballabio, L. Mazzarella, C. Cornaro, G. Parente, F. Frasca, A. Prada, P. Baggio, I. Ballarini, G. De Luca, V. Corrado. Dynamic simulation of existing buildings: considerations on the model calibration. Proc. BS 2019, Roma, 2-4 settembre 2019.