

Prof. Elisa Moretti, ph.D

Director of II level University Master Course in Process Modeling and Management for Healthcare

Personal information:

Born in Foligno (Italy) in 1976, March 18th.

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<http://www.ing.unipg.it/en/areas/thermal-science-energy-tecnology-building-physics>

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https://www.researchgate.net/profile/Elisa_Moretti2

Current Academic Position (since 29.12.2017):

Associate professor of Environmental Applied Science (FISICA TECNICA AMBIENTALE: Building physics and building energy systems) at Department of Engineering, University of Perugia, Via G. Duranti 93, Perugia (Italy)

Main Research Interests and experiences:

- Sustainable Energy and circular economy;
- energy efficiency in buildings;
- dynamic thermal-energy performance of buildings;
- Renewable energies and HVAC systems;
- Innovative materials for buildings;
- thermal and lighting comfort;
- Acoustics properties of new materials;
- Process Modeling and Management for Healthcare.

Previous Work experiences:

2008-2017: Assistant professor at Department of Engineering, University of Perugia

2006-2008: Research assistant at Department of Engineering, University of Perugia

2002-2006: PhD candidate in Industrial Engineering at University of Perugia, Italy

Education:

2006: PhD in Industrial Engineering, Faculty of Engineering, University of Perugia (Italy)

2002: Degree in Environmental Engineering, University of Perugia (graduated magna cum laude)

Memberships:

Council of the Energy and Sustainable Development PhD Course (University of Perugia)

2010-2013: Executive board of CIRIAF (Inter-university Research Centre on Physical Agents Pollution), website: www.ciriaf.it.

Scientific Council of CIRIAF

Consultancy firm TISS s.r.l., ex spin-off of University of Perugia

Research awards:

14.10.2016: Best senior paper award at the International Scientific Conference “Environmental and Climate Technologies – CONECT 2016” Riga, Latvia for the paper “Advanced polycarbonate transparent systems with aerogel: preliminary characterization of optical and thermal properties” by E. Moretti, M. Zinzi, E. Carnielo, F. Merli.

International research projects:

- Geofit, “Deployment of novel geothermal systems, technologies and tools for energy efficient building retrofitting” (Horizon 2020 programme, grant agreement No. 792210).
- REXFO “Increase in Reduction and recovery of EXpired Food”, Progetto LIFE 16 ENV/IT/000547.
- MUSAE-Municipalities Subsidiarity for Actions on Energy”(funded LIFE+ European project)
- NADIA LIFE09 ENV/IT/102 “Noise Abatement Demonstrative and Innovative Actions and information to the public” (funded LIFE+ Project)
- CIVITAS RENAISSANCE: Testing Innovative Strategies For Clean Urban Transport For Historic European (funded within EU 7th Framework Programme).
- GREEN POST, Green Alternative Postal Vehicle Project (2007-2010, supported by Intelligent Energy Europe).
- Annex 65 “Long Term Performance of Super-Insulating Materials in Building Components and Systems”, working group IEA (International Energy Agency) (<http://www.iea-ebc.org/projects/ongoing-projects/ebc-annex-65/>)

National research projects:

- Experimental and numerical characterization of glazing systems with monolithic aerogels for non-residential building (Funded by ENEA, Italy)
- SCER - Development of a new air conditioning system for buildings in urban crafts based on renewable energy sources (Funded by the Italian Ministry for Environment and Territory and Sea).
- GENIUS LOCI - The Role of the building sector on climate change”(funded by the Italian Ministry for Education and Research within the FISR funding Programme).
- Hydrogen from RES - Innovative systems for hydrogen production from Renewable Energy Sources (funded by the Italian Ministry for Education and Research within the FISR funding Programme)

Applied research activities for:

- CIRIAF (Inter-university Research Centre on Physical Agents Pollution, web-site: www.ciriaf.it)
- CRB (National Biomass Research Centre, Italy, www.crbnet.it)
- Italian Ministry for Environment and Territory and Sea
- APAT (National Agency for Environment Protection)
- Region of Umbria
- Municipality of Perugia, Gualdo Tadino, Assisi and Rome
- TAV -Ferrovie Dello Stato Italiane,
- Società Autostrada S.p.A
- consortium IPASS (Engineering for Environment and Sustainable Development, Italy, www.ipassnet.it)
- SSTAM (Scuola Superiore Territorio Ambientale Management)
- private companies (Takenaka corporation, IKEA Italy, Fail Spa, Cementerie Barbetti SpA, etc.)

Speaker at International and national Congresses:

- 4th AIGE-IIETA International Conference and 13th AIGE Conference 2019, Matera.
- 12th Conference on Advanced Building Skins, 10-11 October 2016, Bern, Switzerland
- 8th International Conference on Sustainability in Energy and Buildings, Turin, Italy, September 2016
- National Congress “ AIDI INTEGRAZIONE DI LUCE NATURALE E ARTIFICIALE”, Perugia, Italy, 2016
- 33th National Congress AICARR - Comfort e risparmio energetico negli edifici esistenti: diagnosi, contabilizzazione, monitoraggio, building automation, BOLOGNA, Italy, 15 October 2015.
- 6th International Building Physics Conference (IBPC 2015), Turin, Italy. June, 14-17, 2015.
- 15th CIRIAF National Congress - Environmental Footprint and Sustainable Development. Perugia, Italy, 2015.
- “Think Green, Go Sustainable: Innovative Technology Networking Seminar”, Congress at HKSTP (Hong Kong Science and Technology Parks), Hong Kong, 16/09/ 2014 and Shenzhen, 17 /09/2014
- 68th National Congress ATI “Energia, ambiente, macchine e impianti”. Bologna, 11-13 September 2013.
- 25th International Conference on Efficiency, Cost, Optimization, Simulation And Environmental Impact Of Energy Systems, June 26-29, 2012, Perugia, Italy.
- ICAE - International Conference on Applied Energy, Perugia, Italy, 16-18 May 2011.
- 37th AIA National Congress, Siracusa, Italy, 26-28 May 2010.
- 10th CIRIAF National Congress, Perugia, Italy 9-10 April 2010.
- 38th International Congress And Exposition On Noise Control Engineering. Ottawa, Canada, 2009
- 36th AIA National Congress. Torino, Italy, 10-12 June 2009.
- 63th ATI National Congress, Palermo, Italy, September 2008.
- 8th CIRIAF National Congress, PERUGIA, Italy, April 2008.
- 62° ATI National Congress, Salerno, Italy, 11 – 14 September 2007.
- 34° AIA National Congress, Firenze, Italy 13-15 June 2007.
- 33° AIA National Congress, Ischia, Italy 10-12 maggio 2006.
- 6° CIRIAF National Congress, PERUGIA, Italy, 7-8 April 2006.
- 4° CIRIAF National Congress, Perugia, Italy, 2-3 April 2004.
- 58° ATI National Congress, Padova e San Martino di Castrozza, Italy, 8-12 September 2003

Chairman at International and national Congresses:

- Chairman at 12th Conference on Advanced Building Skins, 10-11 October 2016, Bern, Switzerland

Teaching Experience:

- Teacher of Impianti Tecnici (Energy plants: conventional sources plants and renewable energy plants) at University of Perugia. Master Degree in Environmental Engineering. Academic Year: 2015/16; 2016/17; 2017/18.
- Teacher of Impianti da fonti convenzionali (Conventional sources plants) at University of Perugia. Master Degree in Environmental Engineering. Academic Year: 2012/13; 2013/14; 2014/15.
- Teacher of Impianti da fonti rinnovabili (Renewable energy plants) at University of Perugia. Master Degree in Environmental Engineering. Academic Year: 2010/11; 2011/12
- Teacher of Impianti Tecnici per l’edilizia (HVAC Systems) at University of Perugia. Master Degree in Building Engineering. Academic Year: 2009/10; 2010/11; 2011/12.
- Teacher of “ Acoustics and Lighting Techniques “, Degree in Industrial Engineering. University of Perugia. Academic Year: 2008/09.
- 2006: Teacher of Environmental acoustics and HVAC systems in private courses and master (University of Perugia, Master in Environmental Acoustics).

Thesis advisor experience:

Master Degree or PhD thesis Advisor at University of Perugia.

Activity as referee**International Journals**

- Elsevier
 - Energy and Buildings
 - Applied Energy
 - Building and Environment
 - Applied Acoustics
 - Applied Thermal Engineering
 - Solar Energy
 - Energy
 - Construction & Building Materials
 - Journal of non-crystalline solids
 - Composites Part A: Applied Science and Manufacturing
 - Materials and Design
- Springer
 - Journal of Building Engineering
 - Building Simulation
 - Energy Efficiency
- MDPI
 - Sustainability
 - Energies
 - Buildings
 - Sensors
 - Applied sciences
 - Gels
- SAGE Journals
 - Indoor and built environment
- ASTM journals);
 - Journal of Testing and Evaluation
- ScienceDomain International
 - Advances in research

International Conference

6th International Conference on Building Physics for a Sustainable Built Environment (IBPC), 2015.

Publications:

Author of over 90 scientific papers about energy saving in buildings, acoustics, thermal and lighting comfort in Journal, Conference Proceedings and Books(<http://orcid.org/0000-0002-6582-8752>).

BIBLIOMETRIC INDICATORS:

Scopus: h-index 19, cit. 1208, 52 articles

WOS: h-index 17, cit. 955, 38 articles

Perugia, May 26th 2021



Annex A –Publications

International Journals

- 1) E. Belloni, C. Buratti, F. Merli, **E. Moretti**, T. Ihara (2021). Thermal-energy and lighting performance of aerogel glazings with hollow silica: Field experimental study and dynamic simulations. *ENERGY AND BUILDINGS*, vol. 243, ISSN: 0378-7788, doi: <https://doi.org/10.1016/j.enbuild.2021.110999>
- 2) Piselli, C.; Romanelli, J.; Di Grazia, M.; Gavagni, A.; **Moretti, E.**; Nicolini, A.; Cotana, F.; Strangis, F.; Witte, H.J.L.; Pisello, A.L. *An Integrated HBIM Simulation Approach for Energy Retrofit of Historical Buildings Implemented in a Case Study of a Medieval Fortress in Italy*. *Energies* 2020, 13, 2601.
- 3) C. Buratti, **E. Moretti**, E. Belloni, M. Zinzi. *Experimental and numerical energy assessment of a monolithic aerogel glazing unit for building applications*. *Applied Sciences* 9 (2019), Article number 5473.
- 4) **E. Moretti**, E. Belloni, F. Merli, M. Zinzi, C. Buratti. *Laboratory and pilot scale characterization of granular aerogel glazing systems*, *Energy and Buildings* 202 (2019).
- 5) M. Zinzi, G. Rossi, A.M. Anderson, M.K. Carroll, **E. Moretti**, C. Buratti. *Optical and visual experimental characterization of a glazing system with monolithic silica aerogel*. *Solar Energy* 183 (2019): 30-39. DOI: 10.1016/j.solener.2019.03.013
- 6) C. Buratti, D. Palladino, **E. Moretti**, R. Di Palma. *Development and optimization of a new ventilated brick wall: CFD analysis and experimental validation*. *Energy and Buildings* 168 (2018). 284-297, doi: <https://doi.org/10.1016/j.enbuild.2018.03.041>
- 7) **E. Moretti**, M. Zinzi, F. Merli, C. Buratti. *Optical, thermal, and energy performance of advanced polycarbonate systems with granular aerogel*. *Energy and Buildings* 166 (2018). 407-417, ISSN: 0378-7788, doi: 10.1016/j.enbuild.2018.01.057
- 8) C. Buratti, F. Merli, **E. Moretti**. *Aerogel-based materials for building applications: Influence of granule size on thermal and acoustic performance*. *Energy and Buildings* 152 (2017): 472-482.
- 9) C. Buratti, F. Merli, **E. Moretti**. *Prediction of Indoor Conditions and Thermal Comfort Using CFD Simulations: A Case Study Based on Experimental Data*. *Energy Procedia* 126 (2017): 115-122.
- 10) **E. Moretti**, M. Zinzi, **E. Carnielo**, **F. Merli**. *Advanced polycarbonate transparent systems with aerogel: preliminary characterization of optical and thermal properties*. *Energy Procedia* 113 (2017): 9–16. DOI: <https://doi.org/10.1016/j.egypro.2017.04.003>.
- 11) **E. Moretti**, F. Merli, E. Cuce, C. Buratti. *Thermal and acoustic properties of aerogels: preliminary investigation of the influence of granule size*. *Energy Procedia* 111 (2017): 472-480.
- 12) C. Buratti, **E. Moretti**, M. Zinzi. *High Energy-Efficient Windows with Silica Aerogel for Building Refurbishment: Experimental Characterization and Preliminary Simulations in Different Climate Conditions*. *Buildings* 2017, 7, 8. doi:10.3390/buildings7010008
- 13) **E. Moretti**, M. Barbanera, D. Foschini, C. Buratti, F. Cotana. *Energy And Environmental Performance Analysis Of Biomass fueled Combined Cooling And Heating System For Commercial Building Retrofit: An Italian Case Study*. *Energy Procedia* 101 (2016): 376 – 383. DOI: <http://dx.doi.org/10.1016/j.egypro.2016.11.048>
- 14) E. Bonamente, **E. Moretti**, C. Buratti, F. Cotana (2016). *Design and monitoring of an innovative geothermal system including an underground heat-storage tank*, *International Journal of Green Energy* 13, pp 822-830. DOI:10.1080/15435075.2016.1161630
- 15) **E. Moretti**, E. Belloni, F. Agosti (2016). *Innovative mineral fiber insulation panels for buildings: Thermal and acoustic characterization*. *Applied Energy* 169; 421-432. doi:10.1016/j.apenergy.2016.02.048.
- 16) A. Borri, M. Corradi, R. Sisti, C. Buratti, E. Belloni, **E. Moretti** (2016). *Masonry wall panels retrofitted with thermal-insulating GFRP-reinforced jacketing*. *Materials and Structures*. 49: 3957-3968. DOI 10.1617/s11527-015-0766-4.
- 17) C. Buratti, E. Belloni, **E. Moretti**, D. Palladino, M. Vergoni (2015). *Thermal behaviour and energy saving evaluation of innovative reinforced coatings*. *Energy Procedia* 82, pp. 480-485. 10.1016/j.egypro.2015.11.848.

- 18) **E. Moretti**, E. Belloni, E. Lascaro (2015). *The influence of solar control films on energy and daylighting performance by means of experimental data and preliminary unsteady simulations*. Energy Procedia 78, pp. 340-345. DOI: 10.1016/j.egypro.2015.11.660.
- 19) C. Buratti, **E. Moretti**, E. Belloni, F. Agosti (2015). *Thermal and acoustic performance evaluation of new basalt fiber insulation panels for buildings*. Energy Procedia 78, pp. 303-308. DOI: 10.1016/j.egypro.2015.11.648.
- 20) **E. Moretti**, E. Belloni. *Evaluation of energy, thermal, and daylighting performance of solar control films for a case study in moderate climate*. Building and Environment (2015), volume 94, pp. 183-195. DOI information: 10.1016/j.buildenv.2015.07.031
- 21) F. Cotana, A. L. Pisello, **E. Moretti**, C. Buratti. *Multipurpose characterization of glazing systems with silica aerogel: in-field experimental analysis of thermal-energy, lighting and acoustic performance*. Building and Environment 2014, vol. 81, 92-102. DOI: 10.1016/j.buildenv.2014.06.014.
- 22) C. Buratti, **E. Moretti**, E. Belloni, F. Agosti. *Development of Innovative Aerogel Based Plasters: Preliminary Thermal and Acoustic Performance Evaluation Sustainability 2014*, 6(9), 5839-5852; DOI:10.3390/su6095839.
- 23) **E. Moretti**, M. Zinzi, E. Belloni (2014). *Polycarbonate panels for buildings: experimental investigation of thermal and optical performance*. Energy & Buildings 2014, vol. 70, 23-35. DOI: 10.1016/j.enbuild.2013.11.045.
- 24) F. Cotana, A. Petrozzi, A. L. Pisello, V. Coccia, G. Cavalaglio, **E. Moretti** (2014). *An innovative small sized anaerobic digester integrated in historic building*. Energy Procedia 2014, vol. 45, 333-341.
- 25) C. Buratti, E. Belloni, **E. Moretti** (2014). *Facade noise abatement prediction: New spectrum adaptation terms measured in field in different road and railway traffic conditions*. Applied Acoustics 2014, vol. 76, 238–248. DOI: <http://dx.doi.org/10.1016/j.apacoust.2013.08.016>.
- 26) F. Asdrubali, C. Buratti, F. Cotana, G. Baldinelli, M. Goretti, **E. Moretti**, C. Baldassarri, E. Belloni, F. Bianchi, A. Rotili, M. Vergoni, D. Palladino, D. Bevilacqua (2013). *Evaluation of Green Buildings' Overall Performance through in Situ Monitoring and Simulations*. Energies 2013, vol. 6 (12), 6525-6547. doi:10.3390/en6126525.
- 27) **E. Moretti**, E. Bonamente, C. Buratti, F. Cotana. *Development of Innovative Heating and Cooling Systems Using Renewable Energy Sources for Non-Residential Buildings*. Energies 2013, vol. 6(10), 5114-5129. Special Issue "Energy Efficient Building Design 2013". Doi: <http://dx.doi.org/10.3390/en6105114>.
- 28) F. Asdrubali, C. Buratti, **E. Moretti**, F. D'Alessandro, S. Schiavoni (2013). *Assessment of the Performance of Road Markings in Urban Areas: The Outcomes of the CIVITAS RENAISSANCE Project*. The Open Transportation Journal 2013, vol. 7, 7-19. Available at: <http://www.benthamscience.com/open/totj/article/V007/7TOTJ.pdf>.
- 29) C. Buratti, L. Barelli, **E. Moretti** (2013). *Wooden windows: Sound insulation evaluation by means of artificial neural networks*, Applied Acoustics 2013, vol. 74(5), 740–745. doi: <http://dx.doi.org/10.1016/j.apacoust.2012.12.001>
- 30) C. Buratti, **E. Moretti**, E. Belloni, F. Cotana (2013). *Unsteady simulation of energy performance and thermal comfort in non-residential buildings*. Building and Environment 2013, vol. 59, 482–491, doi: <http://dx.doi.org/10.1016/j.buildenv.2012.09.015>
- 31) L. Barelli, G. Bidini, F. Bonucci, **E. Moretti**. *The radiation factor computation of energy systems by means of vibration and noise measurements: the case study of a cogenerative internal combustion engine*. Applied Energy 2012, vol. 100, 258–266. ISSN: 0306-2619. <http://dx.doi.org/10.1016/j.apenergy.2012.05.057>.
- 32) C. Buratti, L. Barelli, **E. Moretti** (2012). *Application of artificial neural network to predict thermal transmittance of wooden windows*. Applied Energy 2012, vol. 98, 425 – 432. DOI: <http://dx.doi.org/10.1016/j.apenergy.2012.04.004>
- 33) C. Buratti, **E. Moretti** (2012). *Glazing systems with silica aerogel for energy savings in buildings*. Applied Energy 2012, vol. 98, 396 – 403, DOI: <http://dx.doi.org/10.1016/j.apenergy.2012.03.062>.
- 34) C. Buratti, **E. Moretti** (2012). *Experimental performance evaluation of aerogel glazing systems*. Applied Energy 2012, vol. 97, 430 – 437. DOI: <http://dx.doi.org/10.1016/j.apenergy.2011.12.055>.
- 35) C. Buratti, **E. Moretti** (2011). *Lighting and energetic characteristics of transparent insulating materials: experimental data and calculation*. Indoor and Built Environment 2011, vol. 20 (4), 400–411. doi: 10.1177/1420326X11409470.

- 36) C. Buratti, R. Mariani, **E. Moretti** (2011). *Mean age of air in a naturally ventilated office: Experimental data and simulations*. Energy and Buildings 2011, vol. 43, 2021 – 2027. ISSN 0378-7788. DOI: <http://dx.doi.org/10.1016/j.enbuild.2011.04.01>
- 37) C. Buratti, **E. Moretti** (2010). *Traffic Noise Pollution: Spectra Characteristics and Windows Sound Insulation in Laboratory and Field Measurements*. Journal of Environmental Science and Engineering 2010, vol.4 (12), 28-36. ISSN 1934-8932. Available at: <http://www.davidpublishing.com/davidpublishing/Upfile/11/21/2012/2012112170749289.pdf>

Books chapters

- Buratti, C., Belloni, E., Merli, F., & Moretti, E. (2019). Acoustic performance of translucent aerogel-based materials. In: *Translucent silica aerogel: Properties, preparation and applications* (pp. 131-160). Nova Science Publishers, Inc. ISBN: 978-153615330-9
- C. Buratti, E. Moretti, E. Belloni (2016) Chapter 2 - Aerogel plasters for energy building efficiency. In: F. Pacheco Torgal, C. Buratti, S. Kalaiselvam, C.-G. Granqvist, V. Ivanov. Eds. *Nano and biotech based materials for energy building efficiency*. ISBN 978-3-319-27503-1. Springer 2016. DOI: 10.1007/978-3-319-27505-5_2
- C. Buratti, E. Moretti, E. Belloni (2016) Chapter 3 - Nanogel windows for energy building efficiency. In: F. Pacheco Torgal, Cinzia Buratti, S. Kalaiselvam, Claes-Goran Granqvist, Volodymyr Ivanov. Eds. *Nano and biotech based materials for energy building efficiency*. ISBN 978-3-319-27503-1. Springer 2016. DOI:10.1007/978-3-319-27505-5_3
- C. Buratti, E. Moretti (2013). Chapter 10 - Silica nanogel for energy-efficient windows. In: F. Pacheco-Torgal, M. V. Diamanti, A. Nazari and C.G. Granqvist. *Nanotechnology in eco-efficient construction*. p. 207-235, Cambridge: Woodhead Publishing Limited, ISBN: 9780857095442, DOI: 10.1533/9780857098832.2.207
- C. Buratti, E. Moretti (2013). Chapter 20 - Nanogel windows. In: F. Pacheco Torgal, M. Mistretta, A. Kaklauskas, C.G. Granqvist, L.F. Cabeza. *Nearly zero energy building refurbishment. A Multidisciplinary Approach*. p. 555-582, Londra: Springer-Verlag, ISBN: 9781447155225, DOI: 10.1007/978-1-4471-5523-2_20

National journals

- E Moretti, L Nassuato, GP Bordoni, Development of Regression Models to Predict Energy Consumption in Industrial Sites: The Case Study of a Manufacturing Company in the Central Italy. *TECNICA ITALIANA-Italian Journal of Engineering Science*. Journal homepage: <http://ieta.org/Journals/TI-IJES> 63 (2-4), 343-348
- C. Buratti, E. Belloni, E. Moretti. Luce naturale e artificiale in edifici altamente vetrati. *LUCE* 2017, Volume 320. pp. 95-100. ISSN 1828-0560.
- C. Buratti, E. Belloni, E. Moretti, D. Palladino, M. Vergoni (2016). Intonaci termo-isolanti rinforzati con fibre di vetro: proprietà di isolamento termico e stima del risparmio energetico. *La Termotecnica - ricerche tecnologie impianti*, Volume Ottobre 2016, p. 45-48. L'Editrice Sas.
- F. Cotana, C. Buratti, E. Moretti, M. Barbanera (2014). Analisi energetica e ambientale di un sistema di climatizzazione a biomasse per la riqualificazione energetica di edifici non residenziali. *La Termotecnica - ricerche tecnologie impianti*, Volume Maggio 2014, p. 47-50. L'Editrice Sas.
- C. Buratti, E. Moretti (2014). AEROGEL DI SILICE. Dalle applicazioni spaziali alle superfici trasparenti per un edificio energeticamente sostenibile. *azero*, volume 10, Gennaio 2014. p. 90-95. Edicom Edizioni.
- F. Cotana, C. Buratti, E. Moretti (2006). Analisi comparativa di combustibili per uso civile. Contenuti e risultati dell'indagine bibliografica. *La Termotecnica*, volume 6/LX, p. 50 – 54, Luglio – Agosto 2006. ISSN 0040-3725.
- F. Cotana, C. Buratti, E. Moretti (2006). Analisi comparativa di combustibili per uso civile: contenuti e risultati di una campagna sperimentale. *La Termotecnica*, volume 7/LX, p. 54-60, Agosto 2006. ISSN 0040-3725.

Conferences

- Salvatore Emanuele DI CAPUA, Luisa PAOLOTTI, Elisa MORETTI, Lucia ROCCHI, Antonio BOGGIA, *Evaluation of the environmental sustainability of hemp as a building material, through Life Cycle Assessment. International Scientific Conference CONECT 2021*, Riga, May 12–14, 2021
- Ettore Stamponi 1, Marta Cardinali, Luca Fondacci, Elisa Moretti, Franco Cotana, Stefania Proietti, Bruno Mario Broccolo, Paolo Sdringola, Federica Lunghi and Patrizia Fortini. *The role of the citizen in sustainability: the*

Sustainable Energy and Climate Action Plan for the municipality of Assisi, in Proceedings of XX Congresso Nazionale CIRIAF - Sviluppo Sostenibile, Tutela dell'Ambiente e della Salute Umana, 8 - 9 aprile 2021, Università degli Studi di Perugia (in press)

- 3) Maria Giulia Proietti, Elisa Moretti, Anna Laura Pisello, Andrea Nicolini, Agnese Corneli, Luca Proietti. *La consapevolezza e la sensibilizzazione degli occupanti come strumento per l'efficienza energetica, la sostenibilità ambientale e il comfort: il caso di studio ARPA UMBRIA*, in Proceedings of XX Congresso Nazionale CIRIAF - Sviluppo Sostenibile, Tutela dell'Ambiente e della Salute Umana, 8 - 9 aprile 2021, Università degli Studi di Perugia (in press)
- 4) E. Stamponi, F. Giorgini, N. Lattanzi, N. Di Lisa, **E. Moretti**. *Analisi preliminare del funzionamento di una microgrid termica alimentata da un cogeneratore a biomassa: il caso di studio Loccioni*. Proceedings of XVIII Congresso Nazionale CIRIAF - Sviluppo Sostenibile, Tutela dell'Ambiente e della Salute Umana, Perugia, 16-17 Aprile 2020.
- 5) C Buratti, **E Moretti**, E Belloni, F Merli, V. Piermatti, T. Ihara. Field Experimental Study on Energy Performance of Aerogel Glazings with Hollow Silica: Preliminary Results in Mid-Season Conditions. *Smart Innovation, Systems and Technologies*, Volume 163, 2020, Pages 185-197. 11th International Conference on Sustainability and Energy in Buildings, SEB 2019; Budapest; Hungary; 4 July 2019 through 5 July 2019; Code 233769.
- 6) C. Buratti, F. Merli, E. Belloni, **E. Moretti**. *Blocchi a base di canapa e sughero: proprietà di isolamento termico, incertezza di misura e stima del risparmio energetico*. In Atti del XVIII Congresso Nazionale CIRIAF - Sviluppo Sostenibile, Tutela dell'Ambiente e della Salute Umana, Perugia, 5-6 Aprile 2018. ISBN:978-88-6074-963-5
- 7) L. Rossi, **E. Moretti**. *Energy retrofits for non-residential buildings in United Arab Emirates: the case study of a Hotel in Abu Dhabi*. In Atti del XVIII Congresso Nazionale CIRIAF - Sviluppo Sostenibile, Tutela dell'Ambiente e della Salute Umana, Perugia, 5-6 Aprile 2018. ISBN:978-88-6074-963-5
- 8) C. Buratti, F. Merli, **E. Moretti**. *Valutazione preliminare dell'influenza della granulometria e dello spessore sulle proprietà ottiche di vetrate innovative con aerogel granulare*. XVII Congresso Nazionale CIRIAF- Sostenibilità Energetico-Ambientale e consolidamento sismico del patrimonio costruito, Marsciano (PG), 6-7 Aprile 2017. ISBN: 978-88-6074-783-9
- 9) L. Rossi, J. Romanelli, **E. Moretti**. *Riqualificazione energetica di edifici esistenti verso la Classe energetica A: progetto, realizzazione e monitoraggio per un caso di studio nel settore residenziale*. XVII Congresso Nazionale CIRIAF Sostenibilità Energetico-Ambientale e consolidamento sismico del patrimonio costruito, Marsciano (PG), 6-7 Aprile 2017. ISBN: 978-88-6074-783-9
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