

FRANCESCA CAPPELLETTI PhD CURRICULUM VITAE

Francesca Cappelletti, is Associate Professor of Building Physics and Energy Systems at the Department of Architecture and Arts at Iuav University of Venice.

She is the author or co-author of more than 100 papers (54 are available in Scopus or Web of Science) published in international scientific journals or in conferences proceedings. The papers deal mainly with topics such as Indoor Environmental Quality, Thermal comfort, Building Energy Performance, Building Energy Modelling, Building Energy Retrofit, Climatic change mitigation techniques, Building envelope energy performance.

EDUCATION

- 2001, Master Degree in Architecture, at Istituto Universitario di Architettura di Venezia, Italy
- 2005, Ph.D. Degree in Technical Physics at University of Padova, Italy

BIBLIOMETRIC DATA

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Scopus Author ID: 14019035700

Scopus documents: 53

Scopus h-index: 16

Citation: 1031 total citations by 946 documents

ISI Web of Science Researcher ID: A-6794-2016

WORK EXPERIENCES

01/11/2017 - present	Associate Professor of Building Physics and Energy Systems, Department of Architecture and Arts, Iuav University of Venice
01/10/2010 - 31/10/2017	Assistant Professor of Building Physics and Energy Systems, Iuav University of Venice
2008 - 2010	Research Assistant of Building Physics and Energy Systems, Iuav University of Venice

Present academic roles:

- Teaching at the Bachelor Degree Program in Product, Visual and Interior Design: Physics for Design (6 ECTS) and Physics for Interior Design (6 ECTS)
- Member of the Academic Ethics Committee
- Member of the Academic Quality Assurance Committee
- Member of the Academic Sustainability Committee
- Member of the Academic COVID-19 Committee

MAIN RESEARCH COMMITMENTS

She has been involved (as scientific responsible or as contributor) in several research projects regarding indoor environmental quality and building energy performance.

- 09/2022 - present Scientific responsible of 2 research assistants.
- 18/01/2023 - present Scientific Research Responsible of the Research "Analysis of the indoor environmental quality of the buildings owned by Ater Belluno"; financed by Ater Belluno.

- 07/04/2021 – present Contributor in the project “Hybrid Sustainable Worlds”, funded by POR F.E.S.R. 2014-2020 “Bando per il sostegno a progetti di Ricerca e Sviluppo sviluppati dai Distretti Industriali e dalle Reti Innovative Regionali” AZIONE 1.1.4 “Sostegno alle attività collaborative di R&S per lo sviluppo di nuove tecnologie sostenibili, di nuovi prodotti e servizi”, D.G.R. n. 822 del 23 giugno 2020
- 05/2021 – present Scientific Responsible of the Agreement between Iuav University of Venice and ATER Belluno for the study of energy efficiency solutions and the monitoring of indoor thermal environment of residential buildings.
- 08/07/2020 - present Scientific Research Responsible of Department Research “The indoor environmental quality assessment in educational buildings”.
- 16/03/2018 - present Contributor in National Research project PRIN 2017 The energy FLEXibility of enhanced HEAT pumps for the next generation of sustainable buildings (FLEXHEAT).
- 2020 - 2021 Scientific Responsible for the Regional research project POR-FSE “ Technical and economical solutions for buildings energy retrofit and the reuse” (project code: 2120-0010-1463-2019).
- 11/07/2019 - 31/12/2020 Scientific Responsible of the Department Research “Correlations between indoor environmental variables and subjective response: models and ranges for the microclimatic and the shading systems control”.
- 04/07/2018 - 31/12/2019 Scientific Responsible of the Department Research “Climate change impact on urban areas: climatic effects on cities and assessment of the climate change mitigation actions”.
- 11/07/2017 - 31/12/2018 Scientific Responsible of the Department Research “Analysis of energy consumption and IEQ satisfaction in IUAV buildings”.
- 10/01/2017 - 09/01/2020 Scientific Responsible of the Agreement between Iuav University of Venice and the Province of Treviso for the energy efficiency and the indoor quality improvement of the High Schools.
- 2010-2015 Participant in IEA Annex 56 “Cost-effective energy and carbon emission organization in building renovation”. Scientific coordinator: Dr. Manuela Almeida Department of Civil Engineering, University of Minho, Portugal.
- 2011-2013 Participant of the project “IUAV Lab” Laboratories for Innovation Funding Institution: Regional Operative Program. European funding for regional development. Action 1.1.1

MEMBERSHIPS

2010 - present: member of CTI, the Italian committee supporting UNI for technical standards on building efficiency

2011 - present: member of IBPSA-Italy

2012 - 2015: ASHRAE member

2013 - present: member of the Italian Association of Technical Physics

2014 - present: member of IBPSA-Italy Board

SCIENTIFIC ACTIVITY

Since 2010 her research activity has been focused on the following topics:

- Buildings and envelope components energy performance
- Thermal comfort analysis by means of simulation, field campaigns and surveys
- Buildings energy retrofit and monitoring of existing buildings
- Integrated building performance analysis and evaluation
- Calibration and Validation of building energy models

- Multi-Objective Optimization of energy efficiency measures for building retrofit design
- Influence of Reference Weather Year and of irradiance models on multi-objective analysis of retrofit solutions

EXPERIMENTAL ACTIVITY

Since 2002 she has worked at many monitoring campaigns as following reported:

2002-2004 Energy consumption data collection and analysis of thermal energy consumptions of a sample of residential buildings in Vicenza province

2002-2004 monitoring campaign and data analysis of indoor microclimate conditions of Oriental Art Museum of Venice during the collaboration between Superintendency of Cultural Heritage and DCA - Università IUAV of Venezia

2003 laboratory measurements of the performance of Plasma cluster filter for split systems

2004 microclimate monitoring inside Duomo di S. Giovanni Battista in Gambarare di Mira (Venice) in order to evaluate the efficacy and troubles concerning the gas radiant heating systems.

2006-2008 microclimate and acoustic measurements in wooden houses.

2010-2011 in situ measurements of thermal resistance of roofs with heat flowmeter method.

2012-2015 microclimate and comfort monitoring in schools buildings located in Treviso and Vicenza Province.

2020-present microclimate and comfort monitoring in a high school located in Morlupo (Rome).

ORGANISATION OF CONFERENCES AND SESSION CHAIRING

- 2014 Session chair at the 3rd International High Performance Buildings Conference, Purdue (IN) in the session B8 - Facades & lighting.
- 2016 Session Chair at the 4th International High Performance Buildings Conference, Purdue (IN) in the session B-08: Building Analysis and Retrofit.
- 2017 Member of the Students Tutoring Scientific Committee at the international conference Building Simulation Applications, BSA 2017, Bolzano (Italy).
- 2019 Member in the Local Organizing Committee of the 16th IBPSA International Conference and Exhibition, BS2019, Rome (Italy).
- 2019 Session Chair at the 16th IBPSA International Conference and Exhibition, BS2019, Rome (Italy).
- Member of the scientific committee of the Student Modelling Competition organized by the International Building Performance Simulation Association during the 16th IBPSA International Conference and Exhibition BS2019, Rome (Italy).
- 2019 Member of the Students Tutoring Scientific Committee at the international conference Building Simulation Applications, BSA2019, Bolzano (Italy).
- 2019 Session Chair at the international conference Building Simulation Applications, BSA2019, Bolzano (Italy)
- 2022 Member of the Scientific Committee at the international conference Building Simulation Applications, BSA2022, Bolzano (Italy).
- 2022 Member of the Organizing Committee at the international conference Building Simulation Applications, BSA2022, Bolzano (Italy).
- 2022 Session Chair at the international conference Building Simulation Applications, BSA2022, Bolzano (Italy)

TEACHING ACTIVITY

Since 2005 F. Cappelletti teaches Physics for Design at University Iuav of Venezia (SSD: ING-IND/11).

2014-2018 she is the scientific director and professor of the 2nd Level University Master ABC_Sustainable Construction Processes at University Iuav of Venezia.

2014-2015 professor for "Transparent components and solar shading systems: characteristics and performance" (48 hours) at 2nd Level University Master "Building Energy Performance. Design, Optimization and Service – CasaClima".

ACTIVITY AS SUPERVISOR OF BACHELOR AND MASTER DEGREE THESIS

Since 2002, has been supervisor and co-supervisor of some thesis for Master degree in Architecture and Master degree in Product Design, at University IUAV of Venice, for the Master Degree in Management Engineering, at Faculty of Engineering Management at University of Padua, for the three-year Bachelor in Logistics and Production Engineering of the Faculty of Science and Technology at Free University of Bolzano, on the following topics: analysis of buildings energy performance, passive solar systems, buildings energy certification, acoustics in school buildings, microclimate surveys, lighting, rainwater collection, energy simulation, parametric design-based methodology to visualize building performance at the neighborhood scale, calibration of schools energy models.

ACTIVITY AS SUPERVISOR AND CO-SUPERVISOR AT PhD PROGRAM

- Since 2012 Dr. F. Cappelletti has followed and is following as co-supervisor, 5 graduate students in the PhD program "Sustainable Energy and Technology" at the Free University of Bolzano in collaboration with prof. Andrea Gasparella of the Faculty of Sciences and Technologies of the same University.
- Since 2017 Dr. F. Cappelletti is member of the PhD Program Industrial Engineering at the University of Padova.
- 2018-2021 Supervision of 1 Ph.D. student in Industrial Engineering Curriculum Energy Engineering, University of Padova.
- Supervision of 1 Ph.D. student at Iuav Ph.D. School, Iuav University of Venice.

EDITORIAL ACTIVITIES

- Guest Editor of the Special Issue "Building Simulation" published by the international journal Science and Technology for the Built Environment, Print ISSN: 2374-4731 Online ISSN: 2374-474X, Publisher: Taylor & Francis
- Member of the editorial board of Applied Sciences. Publisher: Multidisciplinary Digital Publishing Institute (MDPI). E-ISSN:2076-3417.
- She acts as a reviewer for several international scientific journals, among which Energy and Buildings, Building and Environment, Science and Technology for the Built Environment, Applied Energy, Building Acoustics.

PUBLICATIONS

1.	Conference Paper Pittana, Ilaria; Morandi, Federica; Cappelletti, Francesca; and Gasparella, Andrea, "Investigating the Quality of the Correlation Between Indoor Environmental Factors and Human Perception" (2022). International High Performance Buildings Conference. Paper 412. https://docs.lib.purdue.edu/ihpbc/412
2.	Conference Paper Donges, Julian; Morandi, Federica; Prada, Alessandro; Cappelletti, Francesca; and Gasparella, Andrea, "Development of a Camera-based Tool to Monitor Non-binary Occupants' Interaction with Windows and Shadings" (2022). International High Performance Buildings Conference. Paper 409. https://docs.lib.purdue.edu/ihpbc/409

3.	Conference Paper Pittana I., Albertin R., Prada A., Cappelletti F., Gasparella A. (2021). Exploring the possibility of calibrating a whole-building model from the short-term monitoring of selected reference rooms. Proceedings of Building Simulation 2021: 17th Conference of IBPSA - BS 2021 Bruges, Belgium September 1-3, 2021. https://doi.org/10.26868/25222708.2021.30965
4.	Conference Paper Julian Donges, Alessandro Prada, Francesca Cappelletti, Andrea Gasparella. 2021. Impact of occupant behavior on performance optimized building retrofits. Proceedings of Building Simulation 2021: 17th Conference of IBPSA - BS 2021 Bruges, Belgium September 1-3, 2021. https://doi.org/10.26868/25222708.2021.30965
5.	Conference Paper Ilaria Pittana, Andrea Gasparella, Federica Morandi, Francesca Cappelletti, Athanasios Tzempelikos. 2020. Understanding the Effects of Environmental Factors on Human Perception by Means of Surveys and in Field Measurements. IAQ 2020: Indoor Environmental Quality Performance Approaches. Conference Proceeding by ASHRAE 2020.
6.	Journal Paper Jorge Conejo-Fernandez, Francesca Cappelletti, Andrea Gasparella (2021). Including the effect of solar radiation in dynamic indoor thermal comfort indices. Renewable Energy 165, pp.151-161. https://doi.org/10.1016/j.renene.2020.11.005
7.	Editorial Cappelletti F., Ballarini I. (2021). Building simulation 2019: 16th IBPSA international conference and exhibition. Science and Technology for the Built Environment, 2021, 27(8), pp. 1017
8.	Journal Paper Lorenza Pistore, Ilaria Pittana, Francesca Cappelletti, Piercarlo Romagnoni, Andrea Gasparella (2020). Analysis of subjective responses for the evaluation of the indoor environmental quality of an educational building. SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT, vol. 26, p. 195-209, ISSN: 2374-474X, doi: 10.1080/23744731.2019.1649460
9.	Conference paper Pittana I., Prada A., Cappelletti F., Gasparella A. (2020). Multi-stage multi-level calibration of a school building energy model. In: Building Simulation Applications. vol. 2020-June, p. 29-36, Bolzano: bu press, ISBN: 978-886046176-6, Bozen-Bolzano, 19-21 June 2019
10.	Journal Paper Visentin, Chiara, Prodi, Nicola, Cappelletti, Francesca, Torresin, Simone, Gasparella, Andrea (2019). Speech intelligibility and listening effort in university classrooms for native and non-native Italian listeners. BUILDING ACOUSTICS, vol. 26, p. 275-291, ISSN: 1351-010X, doi: 10.1177/1351010X19882314
11.	Journal Paper Pistore, Lorenza, Pernigotto, Giovanni, Cappelletti, Francesca, Gasparella, Andrea, Romagnoni, Piercarlo (2019). A stepwise approach integrating feature selection, regression techniques and cluster analysis to identify primary retrofit interventions on large stocks of buildings. SUSTAINABLE CITIES AND SOCIETY, vol. 47, ISSN: 2210-6707, doi: 10.1016/j.scs.2019.101438
12.	Conference paper Guolo E., Cappelletti F., Romagnoni P., Raggiotto F. (2019). Environmental impacts for polyurethane panels. In: E3S Web of Conferences. vol. Volume 111, 13 August 2019, Article number 03063, Bucharest; Romania, 26 -29 May 2019
13.	2018 Journal paper Pappaccogli, Gianluca, Giovannini, Lorenzo, Cappelletti, Francesca, Zardi, Dino (2018). Challenges in the application of a WRF/Urban-TRNSYS model chain for estimating the cooling demand of buildings: A case study in Bolzano (Italy). SCIENCE AND TECHNOLOGY FOR THE

	BUILT ENVIRONMENT, vol. 24, p. 529-544, ISSN: 2374-474X, doi: 10.1080/23744731.2018.1447214
14.	2018 Journal paper Torresin, S, Pernigotto, G, Cappelletti, F, Gasparella, A (2018). Combined effects of environmental factors on human perception and objective performance: A review of experimental laboratory works. INDOOR AIR, vol. 28, p. 525-538, ISSN: 0905-6947, doi: 10.1111/ina.12457
15.	2018 Journal paper Atzeri, Anna Maria, Gasparella, Andrea, Cappelletti, Francesca, Tzempelikos, Athanasios (2018). Comfort and energy performance analysis of different glazing systems coupled with three shading control strategies. SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT, vol. 24, p. 545-558, ISSN: 2374-474X, doi: 10.1080/23744731.2018.1449517
16.	2018 Journal paper Visentin, Chiara, Prodi, Nicola, Cappelletti, Francesca, Torresin, Simone, Gasparella, Andrea (2018). Using listening effort assessment in the acoustical design of rooms for speech. BUILDING AND ENVIRONMENT, vol. 136, p. 38-53, ISSN: 0360-1323, doi: 10.1016/j.buildenv.2018.03.020
17.	2017 Journal paper Pavlin, B., Pernigotto, G., Cappelletti, F., Bison, P., Vidoni, R., Gasparella, A. Real-time monitoring of occupants' thermal comfort through infrared imaging: A preliminary study, BUILDINGS, Volume 7, Issue 1, 2017, Article number 10, ISSN: 20755309, doi: 10.3390/buildings7010010
18.	2017 Journal paper Pernigotto, Giovanni, Prada, Alessandro, Cappelletti, Francesca, Gasparella, Andrea (2017). Impact of Reference Years on the Outcome of Multi-Objective Optimization for Building Energy Refurbishment. ENERGIES, vol. 10, ISSN: 1996-1073, doi: 10.3390/en10111925
19.	2017 Conference paper Torresin, Simone, Visentin, Chiara, Prodi, Nicola, CAPPELLETTI, FRANCESCA, Gasparella, Andrea (2018). Comparison between simulated and in-situ measured speech intelligibility in the multilingual context of the Free University of Bozen-Bolzano. In: Building Simulation Applications BSA 2017. BUILDING SIMULATION APPLICATIONS BSA ..., p. 378-385, Bolzano:BU Press, ISBN: 978-88-6046-136-0, ISSN: 2531-6702, Bolzano, 8-10 February 2017
20.	2017 Conference paper Pistore, Lorenza, Pernigotto, Giovanni, CAPPELLETTI, FRANCESCA, ROMAGNONI, PIERCARLO, Gasparella, Andrea (2018). From energy signature to cluster analysis: comparison between different clustering algorithms. In: Building Simulation Applications BSA 2017. BUILDING SIMULATION APPLICATIONS BSA ..., ISSN: 2531-6702, Bolzano, 8th - 10th February 2017
21.	2017 Conference paper Atzeri, Anna Maria, CAPPELLETTI, FRANCESCA, Tzempelikos, Athanasios, Gasparella, Andrea (2018). On the global performance of offices with different Complex Fenestration Systems (CFSs). In: Building Simulation Applications BSA 2017. BUILDING SIMULATION APPLICATIONS BSA ..., p. 421-431, Bolzano:BU Press, ISBN: 978-88-6046-136-0, ISSN: 2531-6702, Bolzano, 8-10 February 2017
22.	2017 Conference paper Pappaccogli, Gianluca, Giovannini, Lorenzo, CAPPELLETTI, FRANCESCA, Zardi, Dino (2018). Sensitivity of WRF/Urban simulations to urban morphology parameters: a case study in the city of Bolzano. In: Building Simulation Applications BSA 2017. BUILDING SIMULATION

	APPLICATIONS BSA ..., p. 433-440, Bolzano:BU Press, ISBN: 978-88-6046-136-0, ISSN: 2531-6702, Bolzano, 8-10 February 2017
23.	2017 Conference paper Lara, R.A., Naboni, E., Pernigotto, G., Cappelletti, F., Zhang, Y., Barzon, F., Gasparella, A., Romagnoni, P., Optimization Tools for Building Energy Model Calibration, Energy Procedia, Volume 111, 1 March 2017, Pages 1060-1069
24.	2016 Journal paper Atzeri, Anna Maria; Cappelletti, Francesca; Tzempelikos, Athanasios; Gasparella, Andrea, Comfort metrics for an integrated evaluation of buildings performance, 2016, DOI: 10.1016/j.enbuild.2016.06.007, ENERGY AND BUILDINGS, 127, 411-424
25.	2016 Conference paper Lorenza PISTORE, Giovanni PERNIGOTTO, Francesca CAPPELLETTI, Piercarlo ROMAGNONI, Andrea GASPARELLA, From energy signature to cluster analysis: an integrated approach, 4 th International High Performance Buildings Conference at Purdue, July 11-14, 2016
26.	2016 Conference paper AnnaMaria ATZERI, Francesca CAPPELLETTI, Andrea GASPARELLA, Athanasios TZEMPELIKOS On The Representation Of The Thermal And Visual Behavior Of A Roller Shade Material: Comparison Between Different Simulation Models, 4 th International High Performance Buildings Conference at Purdue, July 11-14, 2016
27.	2016 Conference paper Paola PENNA, Alessandro PRADA, Francesca CAPPELLETTI, Andrea GASPARELLA Influence Of Building Management On Optimality Definition In Residential Buildings Retrofitting, 4 th International High Performance Buildings Conference at Purdue, July 11-14, 2016
28.	2016 Book Chapter Cappelletti, F.; Penna, P.; Prada, A.; Gasparella, A. Development of algorithms for building retrofit. pp.349-373. In Start-up Creation. The Smart Eco-Efficient Built Environment - ISBN:978-0-08-100546-0, Chapter 14, pp.349-373
29.	2015 Journal paper Hui Shen; Athanasios Tzempelikos; Anna Maria Atzeri; Andrea Gasparella; Francesca Cappelletti Dynamic Commercial Façades versus Traditional Construction: Energy Performance and Comparative Analysis, 2015, DOI: 10.1061/(ASCE)EY.1943-7897.0000225, JOURNAL OF ENERGY ENGINEERING 141, pp. 040140411-0401404110
30.	2015 Journal paper Penna, Paola; Prada, Alessandro; Cappelletti, Francesca; Gasparella, Andrea; Multi-objective optimization for existing buildings retrofitting under government subsidization, 2015, DOI: 10.1080/23744731.2015.1028867, SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT 21, 847-861
31.	2015 Journal paper Dalla Mora, T.; Cappelletti, F.; Peron, F.; Romagnoni, P.; Bauman, F. Towards nZEB buildings: a historical building case study, 2015, http://hdl.handle.net/11578/261495 REHVA JOURNAL 52, 16-20
32.	2015 Journal paper Lara, R; Pernigotto, G; Cappelletti, F; Romagnoni, P; Gasparella, A; Energy audit of schools by means of cluster analysis, 2015, DOI: 10.1016/j.enbuild.2015.03.036, ENERGY AND BUILDINGS, 95, 160-171
33.	2015 Journal paper

	Bonacina, Cesare; Baggio, Paolo; Cappelletti, Francesca; Romagnoni, Piercarlo; Stevan, Antonio G.; The Scrovegni Chapel: The results of over 20 years of indoor climate monitoring, 2015, DOI: 10.1016/j.enbuild.2014.12.018, ENERGY AND BUILDINGS, 95, 144-152
34.	2015 Journal paper P. Penna; A. Prada; F. Cappelletti; A. Gasparella, Multi-objectives Optimization of Energy Efficiency Measures in existing Buildings, 2015, doi:10.1016/j.enbuild.2014.11.003, ENERGY AND BUILDINGS, 95, Special Issue, pp. 57-69
35.	2015 Journal paper Penna, Paola; Cappelletti, Francesca; Gasparella, Andrea; Tahmasebi, Fahrang; Mahdavi, Ardeshir, Multi-stage calibration of the simulation model of a school building through short-term monitoring, 2015, http://hdl.handle.net/11578/257900 , JOURNAL OF INFORMATION TECHNOLOGY IN CONSTRUCTION, 20, 132-145
36.	2015 Conference paper Dalla Mora, T.; Cappelletti, F.; Peron, F.; Romagnoni, P.; Bauman, F., Retrofit of an historical building toward NZEB, 2015, DOI:10.1016/j.egypro.2015.11.154, ENERGY PROCEDIA 78, 1359-1364
37.	2015 Conference paper Pernigotto, Giovanni; Prada, Alessandro; Cappelletti, Francesca; Gasparella, Andrea Influence of the representativeness of reference weather data in multi-objective optimization of building refurbishment, 2015, 14th International Conference of IBPSA - Building Simulation 2015, BS 2015, pp. 2857-2864
38.	2015 Conference paper Prada, Alessandro; Pernigotto, Giovanni; Cappelletti, Francesca; Gasparella, Andrea; Impact of solar irradiation models on building refurbishment measures from multi-objective optimization, 2015, 14th International Conference of IBPSA - Building Simulation 2015, BS 2015, pp. 2857-2864
39.	2015 Conference paper Penna, Paola; Schmieghofer, Silvia; Cappelletti, Francesca; Gasparella, Andrea; Tahmasebi, Fahrang; Mahdavi, Ardeshir A multi-stages approach to the calibration of a school building's simulation model 2015, 14th International Conference of IBPSA - Building Simulation 2015, BS 2015, 2825-2832
40.	2015 Conference paper Peron, F.; Cappelletti, F.; Della Mora, T. ; Romagnoni, P.; Ruggeri, P. Building renovation: which kind of guidelines could be proposed for policy makers and professional owners? 2015 DOI:10.1016/j.egypro.2015.11.189, ELSEVIER, ENERGY PROCEDIA 78, 2366-2371
41.	2015 Conference paper Pistore, Lorenza; Cappelletti, Francesca; Romagnoni, Piercarlo; Zonta, Antonio; Assessment of the IEQ in two high schools by means of monitoring, surveys and dynamic simulation; 2015, DOI: 10.1016/j.egypro.2015.11.864 Elsevier, ENERGY PROCEDIA 82, pp. 519-525
42.	2015 Conference paper Penna, Paola; Prada, Alessandro; Cappelletti, Francesca; Gasparella, Andrea; The impact of thermal comfort in multi-objective optimization of buildings refurbishment, ISBN 978-88-6046-074-5, BU PRESS, Bolzano, 527-536
43.	2015 Conference paper Atzeri, Anna Maria; Cappelletti, Francesca; Tzempelikos, Athanasios; Gasparella, Andrea; Long-term and spatial evaluation of the integrated performance of a window-shade system in an open space office located in Rome, ISBN 978-88-6046-074-5, BU PRESS, Bolzano, pp.439-446

44.	2015 Conference paper Prada, Alessandro; Pernigotto, Giovanni; Cappelletti, Francesca; Gasparella, Andrea Robustness of multi-objective optimization of building refurbishment to solar radiation model, ISBN 978-88-6046-074-5, BU-PRESS, Bolzano, 517-525
45.	2015 Conference paper Peronato, Giuseppe; Nault, Emilie; Cappelletti, Francesca; Peron, Fabio; Andersen, Marilyne; A parametric design-based methodology to visualize building performance at the neighborhood scale, ISBN 978-88-6046-074-5, BU-PRESS, Bolzano, 351-358
46.	2015 Conference paper Ferrucci, Margherita; Brocato, Maurizio; Peron, Fabio; Cappelletti, Francesca; Graphic and parametric tools for preliminary design stage of natural ventilation systems, ISBN 978-88-6046-074-5, BU PRESS, Bolzano, pp. 383-389
47.	2014 Journal Paper Prada A., Cappelletti F., Baggio P., Gasparella A., 2014, On the effect of material uncertainties in envelope heat transfer simulations, Energy and Buildings, vol. 71 (2014), 53- 60; ISSN: 0378-7788 DOI: 10.1016/j.enbuild.2013.11.083
48.	2014 Journal Paper Hui Shen; Athanasios Tzempelikos; Anna Maria Atzeri; Andrea Gasparella; Francesca Cappelletti Dynamic Commercial Façades versus Traditional Construction: Energy Performance and Comparative Analysis, JOURNAL OF ENERGY ENGINEERING, DOI: 10.1061/(ASCE)EY.1943-7897.0000225 , 04014041.
49.	2014 Journal Paper F. Cappelletti, A. Prada, P. Romagnoni, A. Gasparella, Passive performance of glazed components in heating and cooling of an open-space office under controlled indoor thermal comfort, Building and Environment 72 (2014) 131-144, ISSN: 0360-1323 DOI: 10.1016/j.buildenv.2013.10.022
50.	2014 - Conference paper U. Mazzali, M. Scarpa, F. Peron, F. Cappelletti, G. Curculacos, G. Turchetto, P. Romagnoni, F. Bauman, On the Energy Performance Design of a Skilled Nursing Facility Building, 3rd International High Performance Buildings Conference at Purdue, July 14-17, 2014
51.	2014 - Conference paper P. Penna, A. Prada, F. Cappelletti, A. Gasparella, Multi-objectives Optimization of Energy Saving Measures in existing Buildings, 49° AiCARR International Conference, Rome 26-28 January 2014
52.	2014 - Conference paper A. Prada, G. Pernigotto, F. Cappelletti, A. Gasparella, J. L. M. Hensen, Robustness of multi-objective optimization of building refurbishment to suboptimal weather data, 3rd International High Performance Buildings Conference at Purdue, July 14-17, 2014
53.	2014 - Conference paper R. Arambula, F. Cappelletti, P. Romagnoni, A. Gasparella, Energy audit of schools by means of cluster analysis, 49° AiCARR International Conference, Rome 26-28 January 2014
54.	2014 - Conference paper R. Arambula, F. Cappelletti, P. Romagnoni, A. Gasparella, Preliminary Cluster Analysis for retrofit actions planning, 3rd International High Performance Buildings Conference at Purdue, July 14-17, 2014
55.	2014 - Conference paper Penna, P., Gasparella, A., Cappelletti, F., Tahmasebi, F., Mahdavi, A. Optimization-based calibration of a school building based on short-term monitoring data. eWork and eBusiness in Architecture, Engineering and Construction. Proceedings of the 10th European Conference on

	Product and Process Modelling, ECPPM 2014 Editors, Ardeshir Mahdavi, Bob Martens, Raimar Scherer, pp. 259-264 ISBN 978-1-138-02710-7 Published by: CRC Press/Balkema
56.	2014 - Conference paper C. Bonacina, F. Cappelletti, F. Peron, P. Romagnoni, A.G. Stevan, On the applicability of HVAC system for cultural heritage: the wedding chamber (Camera Picta) in Mantova (Italy), 49° AiCARR International Conference, Rome 26-28 January 2014
57.	2014 - Conference paper C. Bonacina, P. Baggio, F. Cappelletti, P. Romagnoni, A.G. Stevan, The Scrovegni Chapel: the results of over 20 years of indoor climate monitoring, 49° AiCARR International Conference, Rome 26-28 January 2014
58.	2014 - Conference paper P. Penna, A. Prada, F. Cappelletti, A. Gasparella, Enhancing the Energy and non-Energy Performance of Existing buildings: a Multi-Objectives Approach, 3rd International High Performance Buildings Conference at Purdue, July 14-17, 2014
59.	2014 – Conference paper Anna Maria Atzeri, Francesca Cappelletti, Andrea Gasparella, Internal versus external shading devices performance in office buildings, Energy Procedia, vol. 45 (2014), 463-472, ISSN: 0360-1323 DOI: 10.1016/j.egypro.2014.01.050
60.	2014 - Conference paper A. M. Atzeri, F. Cappelletti, A. Tzempelikos, A. Gasparella, Assessment of long-term visual and thermal comfort and energy performance in open-space office with different shading devices, 3rd International High Performance Buildings Conference at Purdue, July 14-17, 2014
61.	2013 - Conference paper F. Cappelletti, P. Romagnoni, A. Birra, Experimental measurements and analysis of the indoor conditions in Italian museum storerooms: a study case, 2 nd Central European Symposium on Building Physics, Wien 9-11 september 2013, ISBN 978-3-85437-321-6 (*)
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According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

Venezia, 25/01/2023

