Curriculum Vitae

Salvatore Carlucci

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2121 Aglantzia, Nicosia
Cyprus

Academic and Professional details:
Prof. S. Carlucci is the leader of the Sustainable Built Environment Group of the Energy, Environment, and Water Research Center (EEWRC) of the Cyprus Institute. He has expertise in building physics and building performance simulation and optimization, and his research interests range from the multi-scale and computer-aided design of adaptive and responsive building components, smart buildings and zero emission neighborhoods, to the analysis and evaluation of the indoor environmental quality, energy use, and occupant behavior in buildings. Currently he is working on the estimation of the impacts of climate change on the energy performance of buildings and of heat-related stress for building occupants.
He received a PhD in Building Systems Engineering from the Politecnico di Milano, Italy. Since 2014, he worked as qualification fellow at the Norwegian University of Science and Technology (NTNU) in Trondheim, Norway, and, in 2016, he obtained a tenured full professorship in Building Performance Simulation. In 2019, he was appointed Leader of the Forskerlinjen, a pilot study program for highly motivated and research-oriented students at the Department of Civil and Environmental Engineering of NTNU. Since October 2019, Dr. Carlucci is a Tenured Full Professor at the Cyprus Institute. Currently, he is one of the subtask leaders of the IEA-EBC Annex 79 on "Occupant-centric building design and operation".
He has contributed as a partner to several projects funded by the European Union belonging to the Intelligent Energy Europe program, the Seventh framework program, and the Horizon 2020 program, and to three Annexes approved by the International Energy Agency (IEA). He is a member of the editorial board of two peer-reviewed scientific journals (Energy Efficiency and Energies), a reviewer for several international journals and an evaluator of research applications for few international universities and institutions. Carlucci has published more than 55 scientific documents and contributed to seven books on occupant-centric building design and operation, indoor environmental quality (thermal, visual and acoustic comfort, and indoor air quality), sustainable, smart and low-energy buildings, building performance simulation and optimization, and building physics.
(Google scholar: h-index: 21; Documents: 86, Citations: 1934; updated on 08/07/2020)

Education:

01/2016–11/2016 **Educational program for new academic staff (PEDUP)**, NTNU, Trondheim, Norway

The course provides the basic concepts, models and theories that contribute to the understanding of what learning is, and how the students' learning can be facilitated. Considerable emphasis is placed on developing participants' understanding of relationships between teaching, learning and assessment, so that they will be better able to plan, execute and document the students' learning outcomes of their teaching activities.

01/2009–03/2012 **Ph.D. in Building engineering**, Politecnico di Milano, Building Environment Science and Technology Department, Milan, Italy. Title: "An automated optimization process to support the design of comfortable net zero energy buildings"
Supervisor: Assoc. Prof. Lorenzo Pagliano, Politecnico di Milano, Italy
Tutor: Assoc. Prof. Gabriele Masera, Politecnico di Milano, Italy
Opponents: Prof. Edward Arens, University of California, Berkeley (CA), USA
Prof. Mattheos Santamouris, University of Athens, Greece
Final mark: Summa cum laude

05/2008 **Professional qualification to the energy certification practice in the Lombardy Region**, Infoplanet, Pavia, Italy.

02/2007 **Professional qualification to the engineering practice**, Politecnico di Milano, Milan, Italy. Qualified in: – Civil and Environmental Engineering
– Industrial Engineering
– Information Technology Engineering

09/1999–07/2005 **M.Sc. in Building engineering** (Laurea vecchio ordinamento, Legge 127/97), Politecnico di Milano, VI Faculty of Building Engineering/Architecture, Milan, Italy. Title: "Fire behavior of self–supporting plasterboard ceiling panels" (in Italian)
Supervisor: Assoc. Prof. Paolo Setti, Politecnico di Milano, Italy
Opponent: Prof. Giuseppe Turchini, Politecnico di Milano, Italy
Final mark: 100/100 Summa cum laude

09/1994–07/1999 **High school degree in scientific major** (Diploma di maturità scientifica), Liceo Scientifico Statale "F. Ribezzo", Francavilla Fontana (BR), Italy.

Professional Experience:

12/2019–Present **Coordinator for the Task Force on "EMME Climate Change Initiative: Built Environment**", The Cyprus Institute, Nicosia, Cyprus.

10/2019–Present **Tenured professor**, The Cyprus Institute, Energy, Environment and Water Research Center (EEWRC), Nicosia, Cyprus.

01/2016–10/2019 **Doctoral course responsible,** EAS519– Energy and Built Environment, The Cyprus Institute, Nicosia, Cyprus.

02/2019–Present **Panelist**. MIT Technology Review Global Panel.

06/2018–Present **Subtask leader**. IEA EBC Annex 79 "Occupant-Centric Building Design and Operation".

12/2016–10/2019 **Tenured professor**, NTNU, Department of Civil and Environmental Engineering, Trondheim, Norway.

05/2017–10/2019 **Member of the Steering committee of the "ZEB Flexible Lab"**. This group is managing the design and construction of the new NTNU's ZEB Flexible Lab that is expected to be completed by 2020.

01/2019–10/2019 **Project leader (*Prosjektleder* in Norwegian)**. Research Line (*Forskerlinje* in Norwegian) at the Study program in Civil and Environmental Engineering at NTNU

01/2016–10/2019 **Course responsible,** TBA4166–Building Performance Simulation, NTNU, Department of Civil and Environmental Engineering, Trondheim, Norway.

09/2016–08/2018 **Collaborateur de l'Université de Liège**, University of Liege, Belgium.

08/08/17–29/06/18 **Paternity leave**, absence 80%.

09/2015–12/2016 **Leader of the NTNU's strategic plan area 15: Energy efficient and functional buildings**, NTNU, Trondheim, Norway.

10/2014–11/2016 **Qualification fellow**, NTNU, Department of Civil and Transport Engineering, Trondheim, Norway.

03/2014–10/2014 **Adjunct professor**, Thermodynamics and Building physics, Politecnico di Milano, School of Building engineering and Architecture, Milan, Italy.

08/2013–10/2014	**Research fellow**, Politecnico di Milano, Energy Department, Milan, Italy.
03/2007–10/2014	**Lecturer**, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto–Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.
02/2007–10/2014	**Professional building engineer**, Carlucci+Partners, Milan, Italy.
02/2012–07/2013	**Research fellow**, Politecnico di Milano, Energy Department, Milan, Italy.
10/2007–07/2008	**Adjunct professor**, Methods for the environmental control, Politecnico di Milano, Faculty of Architecture and Society, Milan, Italy.
03/2007–09/2007	**Energy consultant**, Energie s.a.s., Milan, Italy.
01/2007–01/2009	**Research assistant**, Politecnico di Milano, Energy Department, Milan, Italy.
09/2006–12/2006	**Junior researcher**, Politecnico di Milano, Energy Department, end–use Efficiency Research Group, Milan, Italy.
03/2006–08/2006	**Energy analyst**, Politecnico di Milano, Energy Department, end–use Efficiency Research Group, Milan, Italy.

Research Experience:

Participation in international projects

10/2018–Present	**Subtask leader**, *IEA EBC Annex 79: "Occupant-Centric Building Design and Operation"*, International Energy Agency, The Cyprus Institute.
01/2016–Present	**Technical contributor** and **national representative for Norway**, *IEA EBC Annex 69: "Strategy and Practice of Adaptive Thermal Comfort in Low Energy Buildings"*, International Energy Agency, NTNU.
03/2015–06/2018	**Technical contributor**, *IEA EBC Annex 66: "Definition and Simulation of Occupant Behavior in Buildings"*, International Energy Agency, NTNU.
10/2008–12/2013	**Technical contributor**, *IEA SHC Task 40 / ECBCS Annex 52: "Towards Net Zero Energy Solar Buildings"*, International Energy Agency, Politecnico di Milano.

Participation in European projects

10/2019–Present	**Horizon 2020- 678407**, *ZERO-PLUS: "Achieving near Zero and Positive Energy Settlements in Europe using Advanced Energy Technology*", The Cyprus Institute, funded by the European Union (Project budget: € 3 512 024) Project leader for The Cyprus Institute
01/2018–Present	**Horizon 2020–770141,** *TRANS–URBAN–EU–CHINA: "Transition towards urban sustainability through socially integrative cities in the EU and in China"*, NTNU, funded by the European Union (Project budget: € 2 500 000) Research Team Member
01/2016–Present	**Horizon 2020–680529,** *QUANTUM: "Quality management for building performance–Improving energy performance by life cycle quality management"*, NTNU, funded by the European Union (Project budget: € 6 889 097) Project leader for NTNU
04/2012–04/2015	**IEE–11–007–SI2.615921,** *Power house NZC: "Power House Nearly Zero Energy Challenge"*, NTNU, funded by the European Union (Project budget: € 2 167 688) Subcontractor
03/2014–02/2017	**IEE/13/786/SI2.675580***, RENEW SCHOOL: "Sustainable school building renovation promoting timber prefabrication, indoor environment quality and active use of renewables"* NTNU, funded by the European Union (Project budget: € 1 656 534) Research Team Member (Project leader prof. Lorenzo Pagliano)

04/2013–10/2015 **FP7–3146632,** *EU–GUGLE: "European cities serving as Green Urban Gate towards Leadership in sustainable Energy"*, Politecnico di Milano, funded by the European Union (Project budget: € 30 552 167).
Research Team Member (Project leader prof. Lorenzo Pagliano)

06/2012–12/2014 **IEE/11/989/SI2.615952**, *MaTrID: "Market Transformation Towards Nearly Zero Energy Buildings Through Widespread Use of Integrated Energy Design"*, Politecnico di Milano, funded by the European Union (Project budget: € 1 227 928).
Research Team Member (Project leader prof. Lorenzo Pagliano)

12/2007–05/2010 **EIE/07/109/SI2.466268**, *GreenBuilding^{plus}: "Leveraging the GreenBuilding Programme (GBP) to promote energy–efficiency and renewables in non–residential buildings"*, Politecnico di Milano, funded by the European Union (Project budget: € 1 280 708).
Research Team Member (Project leader prof. Lorenzo Pagliano)

12/2007–05/2010 **EIE/07/070/SI2.466264**, *KeepCool II: "Transforming the market from cooling to sustainable summer comfort"*, Politecnico di Milano, funded by the European Union (Project budget: € 879 659).
Research Team Member (Project leader prof. Lorenzo Pagliano)

11/2007–10/2009 **EIE/07/026/SI2.466692**, *ThermCo: "Thermal comfort in buildings with low–energy cooling–Establishing an annex for EPBD–related CEN–standards for buildings with high energy efficiency and good indoor environment"*, Politecnico di Milano, funded by the European Union (Project budget: € 967 448).
Research Team Member (Project leader prof. Lorenzo Pagliano)

11/2006–04/2009 **EIE/06/217/SI2.445571**, *GreenNet-Incentives: "Promoting grid-related incentives for large-scale RES-E integration into the different European electricity systems"*, Politecnico di Milano, funded by the European Union (Project budget: € 1 000 108).
Research Team Member (Project leader prof. Lorenzo Pagliano)

Participation in national projects

01/01/2017 **FME–ZEN**, "*Zero Emission Neighborhoods in Smart cities*", NTNU, funded by the Research Council of Norway (Project budget: about 400 000 000 NOK)
Research Team Member

01/01/2017 **EnergiX**, "*Utvikling av metoder og system for automatisk effektkontroll i bolig*" (Development of methods and systems for automatic power control in housing), NTNU, funded by the Research Council of Norway (Project budget: 17 890 000 NOK)
Research Team Member

03/2014–09/2014 **FESA per competitivitá 2007–2013**, "*Smart Campus as Urban Open Labs (SCUOLA)*", Politecnico di Milano, funded by the European fund for the regional development, the Italian Ministry for the Economic Development, and Lombardy Region (Project budget: € 10 000 000).
Research Team Member (Project leader prof. Lorenzo Pagliano)

10/2012–09/2013 **ENEA/MSE–2013**, "*Definizione di parametri per l'ottimizzazione di interventi di riqualificazione in considerazione del rapporto costi/benefici*", Politecnico di Milano, funded by ENEA and the Italian Ministry for the Economic Development (Project budget: € 20 000).
Research Team Member (Project leader prof. Lorenzo Pagliano)

10/2011–09/2012 **ENEA/MSE–2012**, "*Analisi comparata degli indicatori per la valutazione del comfort estivo e proposta di una metodologia per l'individuazione delle varianti di edificio sotto il profilo del fattore costi–beneficio (rif. 2010/31/CE–EPBD recast)*", Politecnico di Milano, funded by ENEA and the Italian Ministry for the Economic Development (Project budget: € 18 000).
Research Team Member (Project leader prof. Lorenzo Pagliano)

02/2011–00/2011 **ENEA/MSE–2011**, "*Partecipazione ad attività IEA–ECBCS Annex 52: Towards Net Zero Energy Solar Buildings e Annex 5: Air Infiltration and Ventilation Centre*", Politecnico di Milano, funded by ENEA and the Italian Ministry for the Economic Development (Project budget: € 25 000).
Research Team Member (Project leader prof. Lorenzo Pagliano)

03/2006–05/2010 **CONS–ITALCEMENTI**, "*Consulenza relative al progetto Centro Ricerca e Innovazione progettato dall'Arch. Richard Meyer*", Politecnico di Milano, funded by Italcementi S.p.A. (Project budget: € 75 500).
Energy modeler and analyst

Teaching Experience:

02/2020–Present **Course responsible**, *EAS519–Energy and Built Environment*, Ph.D. course. The Cyprus Institute, Nicosia, Cyprus.

01/2016–10/2019 **Course responsible**, *TBA4166–Building Performance Simulation*, M.Sc. course. Norwegian University of Science and Technology, Trondheim, Norway.

01/2016–10/2019 **Lecturer**, *TBA4165–Building Technology: Design of Complex Buildings*, M.Sc. course. Norwegian University of Science and Technology, Trondheim, Norway.

01/2016–10/2019 **Lecturer**, *TBA4171–Building and Material Engineering–Advanced Course*, M.Sc. course. Norwegian University of Science and Technology, Trondheim, Norway.

Spring 2014 **Adjunct professor**, *Thermodynamics and Building physics*, B.Sc. course. Politecnico di Milano, School of Building engineering and Architecture, Milan, Italy.

Spring 2013 **Lecturer**, *Energy efficiency in buildings*, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto–Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.

Fall 2012 **Lecturer**, *Il commissioning del sistema edificio–impianto (Commissioning of the building envelope–energy systems),* Italian Association of Air–Conditioning, Heating and Refrigeration (AiCARR), Milan, Italy.

Spring 2012 **Lecturer**, *Energy efficiency in buildings*, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto–Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.

Spring 2011 **Lecturer**, *Energy efficiency in buildings*, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto–Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.

Spring 2010 **Lecturer**, *Energy efficiency and energy certification of buildings*, Fondazione En.A.I.P., Milan, Italy.

Spring 2010 **Lecturer**, *Energy efficiency in buildings*, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto– Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.

Spring 2009 **Lecturer**, *Energy efficiency in buildings*, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto–Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.

Fall 2008 **Lecturer**, *Energy efficiency in the building sector & Energy certification of buildings*, Istituto Regionale lombardo di formazione per l'amministrazione pubblica (IReF), Milan, Italy.

Spring 2008 **Adjunct professor**, *Methods for the environmental control*, M.Sc. course. Politecnico di Milano, Faculty of Architecture and Society, Milan, Italy.

Spring 2008 **Lecturer**, **Energy efficiency in buildings**, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto–Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.

Spring 2007 **Lecturer**, *Energy efficiency in buildings*, Politecnico di Milano, Energy Department, RIDEF Energy for Kyoto–Master in Renewable Energy, Decentralization and Energy Efficiency, Milan, Italy.

Fall 2007 **Lecturer**, *Integrated Environmental Analysis*, Fondazione Lombardia per l'Ambiente, Milan, Italy.

Other teaching activities

18–31/07/2016 **Board member and lecturer**, SEniC Summer School on "Sustainable energy in Cities". Shanghai, China.

6–17/07/2015 **Board member and lecturer**, SEniC Summer School on "Sustainable energy in Cities". Shanghai, China.

09/07–30/11/2012 **Tutor**, "Environmental technical physics and Building physics", Politecnico di Milano, School of Building engineering/Architecture, Milan, Italy.
Course responsible: prof. Lorenzo Pagliano

21/06/2011 **Invited lecturer**, "Towards comfortable NZEBs–Thermal comfort and NZEBs", Concordia University, Montreal, Canada.

Supervised theses

Ongoing **Supervisor**, Ioanna Kyprianou, Ph.D. thesis: "Energy Poverty in Cyprus", in English
The Cyprus Institute, Nicosia, Cyprus

Ongoing **Supervisor**, Matteo Favero, Ph.D. thesis: "Thermal comfort enabling thermal flexibility of buildings", in English
NTNU, Trondheim, Norway

Ongoing **Co-Supervisor**, Ole Øiene Smedegård, Ph.D. thesis: "*Utvikle fagfeltet innen planlegging og utføring av energi– og klimasystem i symjehallar*" (Development in the design and operation of energy systems for the climate control of swimming halls), in English
NTNU, Trondheim, Norway

Ongoing **Co-Supervisor**, Alla Marchenko, Ph.D. thesis: "Quality management for reducing building energy use and the performance gap", in English
NTNU, Trondheim, Norway

12/2019 **Co-supervisor**, Silvia Biandrate, M.Sc. thesis: "Robust optimization of buildings under occupant behavior uncertainty", in English.
NTNU, Trondheim, Norway

08/2019 **Co-supervisor**, Amin Moazami, Ph.D. thesis: "Climate robust buildings: towards buildings with a robust energy performance under climate change", in English.
NTNU, Trondheim, Norway

07/2018 **Supervisor**, Martina Ferrando, M.Sc. thesis: "A probabilistic–based methodology for estimating occupancy profiles from electricity use in social housing", in English.
NTNU, Trondheim, Norway

10/2017 **Supervisor**, Sonja Egic, M.Sc. thesis: "An ontology of adaptive thermal comfort models", in English.
NTNU, Trondheim, Norway

06/2017 **Supervisor**, Håkon Eggebø, M.Sc. thesis: "Uncertainty and sensitivity analysis of building's energy performance under future weather scenarios", in English.
NTNU, Trondheim, Norway

05/2015 **Supervisor**, Elena Bernardi, M.Sc. thesis: "Analysis of environmental assessment schemes", in English.
NTNU, Trondheim, Norway

18/12/2014 **Co-supervisor**, Andrea Sangalli, M.Sc. thesis: "Statistical analysis of the ranking capability of long–term thermal discomfort indices and analysis of sensitivity to time–related boundary conditions", in English.
Supervisor: prof. Lorenzo Pagliano, Politecnico di Milano, Milan, Italy

18/12/2013 **Co-supervisor**, Francesco De Rosa, M.Sc. thesis: "Building envelope optimization aiming at ensuring thermal and visual comfort conditions", in English.
Supervisor: prof. Lorenzo Pagliano, Politecnico di Milano, Milan, Italy

21/02/2011 **Co-supervisor**, Andrea Sangalli, B.Sc. thesis: "Dynamic thermal characteristics of the opaque vertical walls under the recent Italian legislation upgrade (*Caratteristiche termiche dinamiche delle chiusure verticali opache alla luce della recente evoluzione normativa*)", in Italian.
Supervisor: prof. Lorenzo Pagliano, Politecnico di Milano, Milan, Italy

21/09/2010 **Co-supervisor**, Carlo Bonnet, B.Sc. thesis: "Reduction of primary energy consumption in new buildings and renovations: Analysis of case studies (*Riduzione del consumo di energia primaria in edifici nuovi e ristrutturazioni: Analisi di casi di studio*)", in Italian.
Supervisor: prof. Lorenzo Pagliano, Politecnico di Milano, Milan, Italy

21/02/2010 **Co-supervisor**, Claudia Lualdi, B.Sc. thesis: "Indoor operative temperature in free–running mode: application to a case study and analysis of the main calculation models (*Temperatura operativa interna estiva in free–running: Applicazione ad un caso di studio e analisi dei principali modelli di calcolo*)", in Italian.
Supervisor: prof. Lorenzo Pagliano, Politecnico di Milano, Milan, Italy

Management and Administrative experience:

21–23/09/2020 **Member of the International Scientific Committee**, iCRBE2020– International Conference on Climate Resilient Built Environment, Bali, Indonesia.

22/10/2020 **Member of the Advisory board**, PERIsCOPE–Portal for hERItage buildingS integration into the COntemPorary built Environment, The Cyprtus Institute, Nicosia, Cyprus.

6-7/11/2019 **Member of the scientific committee**, 1st Nordic ZEB+ Conference, Trondheim, Norway.

10–11/04/2019 **Member of the scientific committee**, Comfort at the Extremes–Rethinking Comfort, Dubai, United Arab Emirates.

11–14/06/2017 **Member of the scientific committee** and **Chair** of the session *Retrofit and Conservation III*, NSB 2017–11th Nordic Symposium on Building Physics, Trondheim, Norway.

11–13/09/2016 **Member of the international programme committee** and **Co–chair** of the session *IS03: Energy Smart Cities and Communities: from performance indicators to real district–scale examples,* SEB 2016–International conference on Sustainability in Energy and Buildings, Torino, Italia.

07–10/05/2014 **Member of the scientific committee**, eSim 2014–Canada's building performance simulation conference, Ottawa, Canada.

21–22/12/2013 **Member of the conference committee**, GBTM 2013–3rd International Conference on Green Building Technology and Materials, Kuala Lumpur, Malaysia.

08/05/2013 **Member of the organizing committee**, International conference on Net/Nearly Zero Energy Buildings: Today's Achievements, Outlook for a Near Future, Milan, Italy.

27–28/12/2012 **Member of the conference committee**, GBTM 2012–2rd International Conference on Green Building Technology and Materials, Wuhan, China.

11/2018–01/2019 **Examiner of a Ph.D. thesis**, Giovanni Tumminia, University of Palermo, Palermo, Italy

09/2018–12/2018 **Examiner of a Ph.D. thesis**, Federica Zagarella, Politecnico di Milano, Milano, Italy

04-05/09/2018 **Opponent in the first year Ph.D. hearing**, Niels Lassen. NTNU, Trondheim, Norway.

12/2017–03/2018 **Member of an assessment committee and Administrator**, Ph.D. evaluation and defense, Klodian Gradeci. NTNU, Trondheim, Norway.

02/2018–06/2018	**Member of a selection committee**, Ph.D. selection, Matteo Favero. NTNU, Trondheim, Norway.
05/2017–06/2016	**Member of a selection committee**, Ph.D. selection, Alla Marchenko. NTNU, Trondheim, Norway.
03/2016–04/2016	**Member of a selection committee**, Ph.D. selection, Amin Moazami. NTNU, Trondheim, Norway.
09/2015–02/2016	**Member of a selection committee and Administrator**, Selection procedure for a Professor II position in "Climate Adaptation of Buildings", NTNU, Trondheim, Norway.
03/2015–04/2015	**Member of a selection committee**, Ph.D. selection, NTNU, Trondheim, Norway.
11/2014–11/2015	**Contributor**, Revision of the Civil engineering curriculum at the Department of Civil and Transport Engineering, NTNU, Trondheim, Norway.

Honours and Achievements:

March 2019	**Best Paper Award 2016–Second place** for the paper "A Review of systems and Technologies for Smart Homes and Smart Grids" from Energies.
December 2018	**2018 Best Paper Award** for the paper "Development of the ASHRAE Global Thermal Comfort Database II" from Building and Environment.
November 2018	Rewarded as an **Outstanding reviewer** by Building and Environment.
June 2017	Rewarded as an **Outstanding reviewer** by Applied Energy.
January 2017	Rewarded as an **Outstanding reviewer** by Energy and Buildings.
January 2015	Rewarded as an **Outstanding reviewer** by Building and Environment.
November 2014	The paper "*Assessing gaps and needs for integrating building performance optimization tools in net zero energy buildings design*" was rewarded as **Highly cited paper** because it "received enough citations to place it in the top 1% of its academic field based on a highly cited threshold for the field and publication year." (Web of Knowledge accessed on 09/04/2014).
November 2014	Rewarded as an **Outstanding reviewer** by Energy and Buildings.

Other skills:

Language skills

	Understanding [1]		Speaking [1]		Writing [1]
	Listening	Reading	Spoken interaction	Spoken production	
Italian[2]	C2 Proficient	C2 Proficient	C2 Proficient	C2 Proficient	C2 Proficient
English	C1 Proficient	C1 Proficient	C1 Proficient	C1 Proficient	C1 Proficient
Norwegian	B2 Independent	B2 Independent	B2 Independent	B2 Independent	B2 Independent

[1] Common European framework of reference for languages
[2] Mother tongue

Professional Service and Memberships:

07/2020–Present	**Evaluator**, Canada Research Chairs, Toronto, Canada.
03/2020–Present	**Guest editor**, Virtual Special Issue: *Thermal comfort diversity*, Energy and Buildings.
11/2019–Present	**External reviewer**, Research Council of the Université Catholique de Louvain (UCLouvain), Louvain-la-Neuve, Belgium.
12/2018–Present	**Evaluator**, Office of Research Services at the Khalifa University of Science & Technology, Abu Dhabi, United Arab Emirates.

09/2017–Present	**Evaluator**, Science Foundation Ireland (SFI) in partnership with the National Natural Science Foundation of China (NSFC).
01/2020–Present	**Member of the Editorial Board**, Energy Efficiency, Springer Nature.
12/2019–Present	**Member of the Editorial Board**, Energies, MDPI.
02/2019–Present	**Reviewer**, Journal of Building Performance Simulation, Taylor & Francis.
02/2018–Present	**Reviewer**, Energy Policy, Elsevier.
11/2016–Present	**Reviewer**, IEEE Transactions on Green Communications and Networking, IEEE Communication Society.
05/2016–Present	**Reviewer**, Operational Research: An International Journal, Springer.
02/2016–Present	**Reviewer**, Science and Technology for the Built Environment, ASHRAE.
08/2015–Present	**Reviewer**, Applied Energy, Elsevier.
02/2014–Present	**Reviewer**, Renewable & Sustainable Energy Reviews, Elsevier.
01/2014–Present	**Reviewer**, Sustainable Cities and Society, Elsevier.
12/2012–Present	**Reviewer**, Building and Environment, Elsevier.
06/2012–Present	**Reviewer**, Energy and Buildings, Elsevier.
06/2012–Present	**Reviewer**, Energy Efficiency, Springer.
10/2014–Present	**International Building Performance Simulation Association**, Nordic–Chapter (Nordic–IBPSA).
01/2013–Present	**International Building Performance Simulation Association**, IT–Chapter (ITA–IBPSA).
11/2012–Present	**International Association of Engineering Technology** (IAET).
04/2015–10/2019	**The Norwegian Society of Graduate Technical and Scientific Professionals** (Tekna).
10/2012–10/2014	**Italian Association of Air–Conditioning, Heating and Refrigeration** (Associazione Italiana Condizionamento dell'Aria Riscaldamento Refrigerazione–AiCARR).

Training Attended:

15–17/06/2013	**Statistics for Comfort, Behaviours and Perceptions in a Changing Climate**, J. and R. Galbraith (University College London), Heriot–Watt University, Edinburg, UK.
20–26/06/2011	**Net zero energy solar buildings: theory, modeling, and design**, Ph.D. Summer School by Prof. Andreas Athienitis (Concordia University), Concordia University, Montreal, Canada.

Presentations and Outreach:

13/06/2018	**Occupant-centric built environment simulation**, OpenTalk, ABC^{PhD} OPENTalk 2018, Politecnico di Milano, Italy.
02/11/2017	**Opportunities and challenges in Building Performance Simulation**, oral presentation, national seminar: VVS–Dagene 2017. Organized by IBPSA Nordic and VVS–Foreningen, Lillestrøm, Norway.
20/10/2016	**Opportunities and challenges in Building Performance Simulation**, oral presentation, national seminar: VVS–Dagene 2016. Organized by IBPSA Nordic and VVS–Foreningen, Lillestrøm, Norway.
19/03/2014	**Presentazione del Progetto europeo MaTrID**, oral presentation, national seminar: *Nearly zero energy buildings in the practice*, Bolzano, Italy. (In Italian)
25/08/2013	**Comfort in Zero Energy Buildings**, oral presentation, international seminar: *IEA SHC Task 40 / ECBCS Annex 52 at BS2013*, Chambéry, France.

08/05/2013 **Rilanciare l'industria edilizia: la ristrutturazione a energia zero–Il progetto europeo EU–GUGLE**, oral presentation, international fair: *Nextbuilding* at *The innovation cloud*, Milan, Italy. (In Italian)

28/08/2013 **An optimization procedure based on thermal discomfort minimization to support the design of comfortable net zero energy buildings**, oral presentation, international conference: *BS2013–13th IBPSA conference*, Chambery, France.

08/05/2013 **Rilanciare l'industria edilizia: la ristrutturazione a energia zero–Il progetto europeo EU–GUGLE**, oral presentation, international conference: Net/Nearly Zero Energy Buildings: Today's Achievements, Outlook For A Near Future, Rho, Milano, Italy.

22/03/2013 **Progettare per il comfort estivo al sud–Tecnologie e prestazioni, monitoraggio PassReg**, oral presentation, national conference: *Costruire e Riqualificare Edifici Passivi Zero Energy nel clima Mediterraneo*, Catania, Italy. (In Italian)

13/09/2012 **La valutazione delle caratteristiche termiche dinamiche delle chiusure opache dell'involucro edilizio**, oral presentation, national conference: *67° Congresso Nazionale ATI*, Trieste, Italy. (In Italian)

21/09/2012 **Il progetto Europeo MaTrID**: Market Transformation Towards Nearly Zero Energy Buildings Through Widespread Use of Integrated Energy Design, national seminar: *nZEB nella pratica dei bandi pubblici*, Bolzano, Italy. (In Italian)

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Nicosia, 16.06.2020

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