

ROBERTA PERNETTI CURRICULUM VITAE

PERSONAL INFORMATION

Name **ROBERTA PERNETTI**

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Phone number +39 0382 593802

Nationality Italian

Date of birth 17 May 1984

CURRENT POSITION Researcher (RTDA) – Assistant professor at Department of public health, experimental and forensic medicine – Occupational Medicine unit (SSD MED 25/B).

RESEARCH FIELDS Comfort and air quality monitoring in work environments, assessment of incidental ultrafine particles in 3D printing environments, evaluation of noise and ultrasound in work environments, analysis of microclimate conditions in the workplace, impact of climate change on workers' health, technical-economic analysis of solutions to improve the comfort conditions of buildings, simulation models of the thermal and energy behavior of buildings.

WORK EXPERIENCE

NOVEMBER 2020- ONGOING **Position: Researcher (RTDA) – Assistant professor in Occupational Medicine**
Università degli Studi di Pavia

Research Projects

(2023 - ongoing) **BEST** *Big data and deep learning in health surveillance of occupational cancers.* Financed by the National Program BRIC-INAIL. Role: support in the update of OCCAM matrix through literature analysis.

(2023 – ongoing) **CEI support for increasing capacity of research and action in Occupational and Environmental Health in Republic of Moldova**, financed by the Central Europe Initiative – Know-how exchange program (KEP). Role: definition of risk evaluation protocols through data collection checklist tailored to the workplace.

(2022 - ongoing) **National Biodiversity Future Centre** (<https://www.nbfc.it/>) financed by the program Next Generation EU (PNRR). Role: researcher within spoke 6 (coordinated by UNIPV) Working Table n.1 “Urban exposome”, Scientific project: *Assessing occupational and urban exposome and its potential mitigation through nature-based solutions.*

(2022 - ongoing) **BUILDUP** *The European portal for energy efficiency and renewable energy in buildings.* Role: BUILDUP ambassador and support to the editorial team of the portal.

(2023-2024) **Worklimate, Climate – Work – Prevention**, Coordinated by CNR and financed by the National Program BRIC-INAIL (external partner). Role: research collaborator – update and

implementation of the questionnaire “Work and heat risk” and data elaboration.

(2022) **Assessment of the nanoparticle release during laser cutting processes**, financed by the company BLM. Role: coordination, organization and implementation of the in-field monitoring and data elaboration.

(2020-2022) **MADE4Lo - Metal ADditivE for Lombardy** financed by the European Funds for Regional Development ERDF FESR. Role: scientific support and monitoring of fine and ultrafine particles in 3D printing work environment.

Educational activity

Assistant Professor at Università degli Studi di Pavia for the following courses:

(a.a. 2021/2022, 2022/2023, 2023/2024, 2024/2025) **Occupational Medicine** within the MD program in Medicine and Surgery Golgi (1 CFU, SSD: MEDS 25/B). Main topics: evaluation of physical risks (noise, vibration, microclimate), monitoring of work exposure to chemical risks.

(a.a. 2024/2025) Doctoral School of **Public Health and Lifestyle** of the Department of public health, experimental and forensic medicine. Course: “The determinants of health” (1 module– 4 hours). Lecture: How climate change affects workers’ health.

(a.a. 2022/23, 2023/24, 2024/2025) Responsible of the integrated course in **Industrial Hygiene, prevention and risk evaluation** within the Bachelor program in Risk prevention techniques in the work environment (8 CFU, SSD MEDS 25/B),

(a.a. 2022/23, 2023/24, 2024/25) **Evaluation of Chemical and biological risks** within the Bachelor program in Risk prevention techniques in the work environment (2 CFU, SSD MEDS 25/B). Topics: Fundamentals of Industrial Hygiene, the standard 689/2019, gaseous and particulate pollutants, strategies for exposure monitoring and measurement devices.

(a.a. 2021/22, 2022/23, 2023/24, 2024/25) **Hygiene and work safety** within the Bachelor program in Risk prevention techniques in the work environment (2 CFU, SSD MEDS 25/B). Topics: assessment and management of risk at workplace (chemical, electrical, load handling, confined spaces)

(2021/2022, 2022/23, 2023/24, 2024/25) **Postgraduate School of Occupational Medicine Module – Occupational Hygiene**. Topics: national Decree 81/2008, physical risk evaluation (noise, vibration, microclimate), health and safety in a climate change era, evaluation of chemical risks, document for risk evaluation (5 CFU, SSD: MEDS 25/B).

(a.a. 2022/23, 2023/24, 2024/25) **Environmental impact of energy system** for the Bachelor program in Risk prevention techniques in the work environment (1 CFU, SSD: ING/IND11).

(a.a. 2022/2023, 2024/2025) Master in **Musicotherapy**. Title: Sound measuring in environment (1 module – 4 hours).

(a.a. 2023/2024) Scientific committee and speaker at the **Winter school “Global Health and wellbeing. Measuring progress towards the United Nations Sustainable Development Goal 3”** (2 hours). Title of the webinar: “*Imaging Global Health in a less polluted Earth*” -

(2021-2025) **Supervisor of four degree theses** for the Bachelor program in Risk prevention techniques in the work environment:

- Risk assessment checklist in work environments: the case of the precious metals bench
- Safety in Wire Arc Additive Manufacturing processes
- Climate change and occupational exposure to high temperatures: survey on workers' risk perception and analysis of prevention measures
- Checklist for the preparation of the risk assessment document in wine companies

Co-supervisor of three degree theses for the Bachelor program in Risk prevention techniques in the work environment

**MARCH 2014 -
OCTOBER 2020**

Position: Senior Researcher

Institute for Renewable Energy – EURAC (Bolzano). member of the Energy Efficient Building group and coordinator of the thematic sub-group Whole Building Evaluation. Technical supervision of the activities within the group, project manager and coordination of the contributions within research projects at European and local level, preparation of new project proposals under the framework of Horizon 2020, Interreg (Central Europe and Alpine Space), ERDF (European Regional Development Funds) and local programs.

Research Projects

(2019 – 2020) **CULTURAL-E** – *Climate and cultural based design and market valuable technology solutions for Plus Energy Houses (PEH)*. Financed by the H2020 program. Role: Coordinator of WP4 Definition of PEH tailored solution sets and business models

(2019-2020) **Building Renovation Plus**, financed by the European Funds for Energy Efficiency in collaboration with the Province of Bolzano. Role: scientific support for the definition and techno-economic evaluation of renovation scenarios for public buildings.

(2018-2020) **E2I@NOI** *Definition of a Laboratory System for the development, characterization and transfer of technologies enabling building "Energy-Intelligent Buildings"*, financed by European Funds for Regional Development (ERDF). Role: Scientific responsible of the activities within WP3 for the local application of the Smart Readiness Indicator.

(2017- 2020) **CRAVEZero** - *Cost Reduction and market Acceleration for Viable nearly zero-Energy buildings. Life cycle cost (LCC) analysis of nZEB and identification of the cost-saving potentials in processes and technologies*. Financed by the H2020 program. Role: project manager and technical advisor. Coordination of the activities of Eurac within the project and responsible of the developments of WP2 dealing with the analysis of the LCC of the sample buildings.

(2017- 2020) **IntegrGrids** - *Integrated Energy Grids*, financed by the European Funds for Regional Development (ERDF). Role: coordinator of the activities aimed to define energy flexibility of building clusters, from the general approach to the quantification through simulation.

(2016- 2020) **4RinEU** - *Robust&Reliable technology concepts and business models for triggering deep Renovation of Residential buildings in EU*, financed by the program H2020. Role: Responsible of WP2 aimed at developing deep renovation technologies according to the renovation needs identified through a building stock analysis of the European Building stock.

(2016 - 2019) **IEA EBC - Annex 67** - *Energy Flexible Buildings*. Role: Leader of SubTask A *Definition and context* of Energy Flexible Buildings and development of the methodology for evaluating energy flexibility of buildings.

(2015 - 2020) **Saving Public Energy**, financed by the Province of Bolzano. Role: Coordinator of the activities and technical advisor. The project aims to define an integrated approach for planning the renovation of the building stock owned by the province of Bolzano, by identifying priorities and renovation scenarios according to the needs and the cost effectiveness of the intervention.

(2015 - 2019) **Regional Energy Modelling**, financed by the Province of Bolzano Role: contribution to the definition of the regional energy strategy according to the emission target set for 2050.

(2014-2020) **SINFONIA** Smart INitiative of cities Fully cOmmitted to iNvest In Advanced large-scaled energy solutions, financed by the European Program FP7. Role: definition of the features of the local building stock for the definition of renovation scenarios.

(2015) **European Building Observatory**, research project supported by the European Commission for the setting-up of a portal for managing the energy policies at EU level (Observatory of the building stock and related key policies): Role: collaboration as Italian expert in the field of energy policies.

(2014-2016) **Bricker** – *Energy reduction of the public building stock*, financed by the EU program FP7. Role: Technical support in the analysis of the thermal behaviour of the innovative thermal insulation embedding phase change materials through transient simulations.

(2014-2016) **CABEE** *Capitalizing Alpine Building Evaluation experiences*, financed by Interreg Alpine Space. Role: technical contributor and WP responsible. Coordination activities and technical work as policy analysis, training to improve user behaviour in buildings, sustainability assessment protocols.

(2014-2015) **AlpBC**, financed by Interreg Alpine Space. Role: coordination of the activities as external expert on the building stock analysis developed for the Val Passiria Area, involving 3 municipalities (Moso, San Leonardo and San Martino). Technical support in the definition of the typology matrix and supervision of the activities for the energy performance evaluation.

(2014) **ViSiBLE**, financed by Interreg Alpine Space. Role: technical contributor. Support in the development of the technical activities of the project

Educational activity

(2019) Professor within the post-graduate course in District Facility Management – Module: Life cycle cost evaluation (4 hours).

(2015) Coordinator, professor and tutor within the project financed by the Province of Bolzano **Acceleratore di Innovazione** (ed. 2014-2015). Module: building energy simulation: performance assessment and in-field monitoring.

(2017-2020) Supervisor of PhD thesis in collaboration with Politecnico di Milano. Tesi: Energy Flexible Building Cluster. PhD Candidate: Ilaria Vigna.

(2014-2020) Supervisor of bachelor's and master's degree thesis in the field of definition of simulation model of the thermal behaviour of buildings. Collaboration with the University La Sapienza (Rome) and Politecnico di Milano.

SEPTEMBER
2012
FEBRUARY
2014

Position: Post-doctoral research fellow

Department of Civil Engineering and Architecture

Università degli Studi di Pavia

Research Projects

Energy performance assessment of existing buildings with steady-state and transient modelling, financed by PRIN 2008: Scientific coordinator: Prof. A. Magrini. Role: researcher

Guideline for energy efficiency of traditional construction in the Unesco site Cinque Terre, financed by Regione Liguria and by the Ministry of cultural heritage. Scientific coordinator: Prof. Giovanna Franco (Università di Genova), Prof. Anna Magrini (Università degli Studi di Pavia). Role: researcher

Educational activity

Teaching seminars and exercises in the courses of Technical Physics and Thermophysics of the building. Supervision of bachelor's and master's theses.

APRIL 2012
SEPTEMBER
2012

Posizione: Post-doctoral research fellow

Department of Civil Engineering

University of Trento

Research Projects

Technical collaboration for the definition of Guidelines for calibrated energy simulation models for existing buildings. Scientific coordinator: Prof. P. Baggio

OCTOBER 2009
DECEMBER
2012 **Posizione: Dottorato di ricerca**
Department of Civil Engineering and Architecture
Università degli Studi di Pavia

Research Projects

Prestazioni energetiche degli edifici esistenti e criteri di riqualificazione per il risparmio energetico, il confort e la sostenibilità, finanziato nell'ambito del programma PRIN 2008. Coordinatore scientifico nazionale: Prof. Anna Magrini. Ruolo: ricercatore

Educational Activities

(2009-2012) Teaching and practical support for the courses of Technical Physics and Building Thermophysics. Supervision of degree theses.

(2011-2012 and 2012-2013) Istituto Tecnico Superiore – Regione Lombardia (ITS Lombardia). Teaching in training modules on methodologies for the evaluation of energy performance of buildings (2 modules of 30 hours each)

APRIL 2009
OCTOBER 2009 **Posizione: Post-graduate research fellow**
Department of Civil Engineering and Architecture
Università degli Studi di Pavia

Research Projects

Evaluation criteria for energy renovation of social housing. In collaboration with Pavia municipality. Scientific coordinator: Prof. Francesca Turri. Role: researcher

RESEARCH AWARDS

(2022) Eni Enrico Mattei Foundation Award for the project “*Assessment of nanoparticle release and related potential health effects in Metal Additive Manufacturing facilities*”

(2009) “Silvia Gassani” Degree Award for the best thesis of the Building Engineering and Architecture course (for graduates of the academic year 2007-2008).

EDUCATION

OCTOBER 2009
DECEMBER
2012 **PhD in Civil Engineering – Building Physics**
Università degli Studi di Pavia
PhD thesis title: “*On the definition and the use of building energy performance simulations*”.
Supervisor: Prof. Anna Magrini.
Grade: Excellent

JULY 2009 **Qualification for the profession of Engineer**
Qualification exam and registration in the Register of Engineers of Pavia – civil/environmental sector

OCTOBER 2004
APRIL 2009 **Master of Science in Building Engineering**
Università degli Studi di Pavia
Thesis title “*Refurbishment strategy for social housing in Pavia*”
Grade: 110/110 cum laude and awards “Silvia Gassani” for the best thesis.

OCTOBER 2004
JANUARY 2009 **High-level University Diploma**
Istituto Universitario di Studi Superiori di Pavia IUSS

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2

SPECIFIC COMPETENCES

Coordination capacity and ability in the organization of research activities and working groups, experience in coordination and submission of H2020 and Horizon Europe proposals, moderation of scientific debates and technical workshops, educational experience at undergraduate and post-graduate level, participation in national and international conferences, supervisor of MD and PhD theses.

COLLABORATION WITH SCIENTIFIC JOURNALS

Editor – member of the scientific committee – Section Occupational Medicine of *GIMLE*, Italian Journal of Occupational Medicine.

Guest Editor of the special issue “Energy Flexible Buildings and Districts” (<https://www.mdpi.com/journal/energies>) – Journal: *Energies*

Reviewer of specialised journal: *Helyon*, *Frontiers in Public Health*, Royal Society of Chemistry: *Nanoscale*, Elsevier: *Indoor Air*, *Applied Energy*, *Elsevier Energy and Buildings*, MDPI: *Applied Sciences*, *Sustainability*, *Buildings*, *Energies*.

SOFTWARE

Microsoft Office (Word, Excel, Power Point, Project), Adobe Photoshop, Autocad 2D. Programmi di simulazione energetica: TRNSYS, Therm, Wufi, Thermus.

MEMBERSHIPS

BS Italia – Building Simulation Association (Italian Section), AiCARR Associazione Italiana Condizionamento dell’Aria, Riscaldamento e Refrigerazione

SCIENTIFIC PUBLICATIONS

Indexes: (Scopus-June 2025): 37 Documents, 731 Citations in 680 articles, h-index 12.

1. Paulin, N., Perneti, R., Scafa, F., Candura, S.M., Oddone, E. (2025) **Evaluation of particle and nanoparticle emission in Fiber and CO₂ laser cutting processes**. Accepted in *Processes*, *Article in press*
2. Sellaro, F., Perneti, R., Candura, S. M., Perlini, S., Speciale, F., Savioli, G., & Oddone, E. (2025). **Effects of COVID-19 pandemic on emergency department visits due to occupational accidents: A retrospective observational study in a Northern Italian city**. *Safety*, 11(1), 16. <https://doi.org/10.3390/safety11010016>
3. Paulin, N., Perneti, R., Bergamaschi, E., & Oddone, E. (2025). **Nanoparticles released during metal-processing operations: A systematic review**. *Cleaner Engineering and Technology*, 24, 100873. <https://doi.org/10.1016/j.clet.2024.100873>
4. Sellaro, F., Perneti, R., & Oddone, E. (2024). **Early biological effects in outdoor workers exposed to urban air pollution: A systematic review**. *Environmental Pollution*, 362, 124985. <https://doi.org/10.1016/j.envpol.2024.124985>
5. Castagna, M., Somova, O., Pozza, C., De Michele, G., Garzia, F., Antonucci, D., Perneti, R. (2024). **Optimizing energy renovation in building portfolios: Approach and decision-making platform**.

Energies, 17(22), 5537. <https://doi.org/10.3390/en17225537>

6. Curti, S., Gallo, M., Ferrante, D., Perneti, R., Mattioli, S. (2024). **Cholangiocarcinoma and occupational exposure to asbestos: Insights from the Italian pooled cohort study**. *La Medicina del Lavoro*, 115(2), e2024016. <https://doi.org/10.23749/mdl.v115i2.14649>
7. Ferrante, D., Angelini, A., Perneti, R., Marinaccio, A. (2023). **Cause specific mortality in an Italian pool of asbestos workers cohorts**. *American Journal of Industrial Medicine*. <https://doi.org/10.1002/ajim.23546>
8. Tamburini, M., Perneti, R., Anelli, M., Oddone, E., Morandi, A., Osuchowski, A., Villani, S., Montomoli, C., Monti, M. C. (2023). **Analysing the impact on health and environment from biogas production process and biomass combustion: A scoping review**. *International Journal of Environmental Research and Public Health*, 20(7), 5305. <https://doi.org/10.3390/ijerph20075305>
9. Pistore, L., Tintinaglia, F., Perneti, R., Stivanello, P., Pasut, W. (2023). **Indirect effects of high-performance buildings at household and community level: A systematic literature review**. *Energies*, 16(5), 2499. <https://doi.org/10.3390/en16052499>
10. Perneti, R., Galbusera, F., Cattenone, A., Bergamaschi, E., Previtali, B., Oddone, E. (2023). **Characterizing nanoparticle release patterns of laser powder bed fusion in metal additive manufacturing: First step towards mitigation measures**. *Annals of Work Exposures and Health*, 67, 828–840. <https://doi.org/10.1093/annweh/wxac080>
11. Perneti, R., Maffia, S., Previtali, B., Oddone, E. (2023). **Assessment of nanoparticle emission in additive manufacturing: Comparing wire and powder laser metal deposition processes**. *Journal of Occupational and Environmental Hygiene*, 20(8), 388–396. <https://doi.org/10.1080/15459624.2023.2208649>
12. Hawila, A. A. W., Perneti, R., Pozza, C., Belleri, A. (2022). **Plus energy building: Operational definition and assessment**. *Energy and Buildings*, 265, 112069. <https://doi.org/10.1016/j.enbuild.2022.112069>
13. Oddone, E., Perneti, R., Fiorentino, M. L., Grignani, E., Tamborini, D., Alaimo, G., Auricchio, F., Previtali, B., Imbriani, M. (2022). **Particle measurements of metal additive manufacturing to assess working occupational exposures: A comparative analysis of selective laser melting, laser metal deposition and hybrid laser metal deposition**. *Industrial Health*, 60, 371–386. <https://doi.org/10.2486/indhealth.2021-0114>
14. Vigna, R., Lollini, R., Perneti, R. (2021). **Assessing the energy flexibility of building clusters under different forcing factors**. *Journal of Building Engineering*, 44, 102888. <https://doi.org/10.1016/j.jobbe.2021.102888>
15. Perneti, R., Garzia, F., Filippi Oberegger, U. (2021). **Sensitivity analysis as support for reliable life cycle cost evaluation applied to eleven nearly zero-energy buildings in Europe**. *Sustainable Cities and Society*, 74, 103139. <https://doi.org/10.1016/j.scs.2021.103139>
16. Perneti, R., Pinotti, R., Lollini, R. (2021). **Repository of deep renovation packages based on industrialized solutions: Definition and application**. *Sustainability*, 13(11), 6412. <https://doi.org/10.3390/su13116412>
17. Oddone, E., Perneti, R., Malagò, G., Taino, G. (2020). **Cell phones, radio frequencies (RF) and health: IARC classification and epidemiological updates**. *Giornale Italiano di Medicina del Lavoro ed Ergonomia*, 42(4), 233–240.
18. Vigna, I., Balest, J., Pasut, W., Perneti, R. (2020). **Office occupants' perspective dealing with energy flexibility: A large-scale survey in the province of Bolzano**. *Energies*, 13(17), 4312. <https://doi.org/10.3390/en13174312>
19. Vázquez-López, E., Garzia, F., Perneti, R., Solís-Guzmán, J., Marrero, M. (2020). **Assessment model**

- of end-of-life costs and waste quantification in selective demolitions: Case studies of nearly zero-energy buildings.** *Sustainability*, 12(15), 6255. <https://doi.org/10.3390/su12156255>
20. Vigna, I., Perneti, R., Pernigotto, G., Gasparella, A. (2020). **Analysis of the building smart readiness indicator calculation: A comparative case-study with two panels of experts.** *Energies*, 13(11), 2796. <https://doi.org/10.3390/en13112796>
21. Filippi Oberegger, U., Perneti, R., & Lollini, R. (2020). **Bottom-up building stock retrofit based on levelized cost of saved energy.** *Energy and Buildings*, 210, 109757. <https://doi.org/10.1016/j.enbuild.2020.109757>
22. Mlecnik, E., Parker, J., Ma, Z., Corchero, C., Knotzer, A., Perneti, R. (2020). **Policy challenges for the development of energy flexibility services.** *Energy Policy*, 137, 111147. <https://doi.org/10.1016/j.enpol.2019.111147>
23. D'Oca, S., Ferrante, A., Ferrer, C., Perneti, R., Gralka, A., Veld, P. (2018). **Technical, financial, and social barriers and challenges in deep building renovation: Integration of lessons learned from the H2020 cluster projects.** *Buildings*, 8(12), 174. <https://doi.org/10.3390/buildings8120174>
24. Prina, M. G., Cozzini, M., Garegnani, G., Manzolini, G., Moser, D., Filippi Oberegger, U., Perneti, R., Vaccaro, R., Sparber, W. (2018). **Multi-objective optimization algorithm coupled to EnergyPLAN software: The EPLANopt model.** *Energy*, 149, 46–61. <https://doi.org/10.1016/j.energy.2018.02.050>
25. Vigna, I., Perneti, R., Pasut, W., Lollini, R. (2018). **New domain for promoting energy efficiency: Energy flexible building cluster.** *Sustainable Cities and Society*, 38, 526–533. <https://doi.org/10.1016/j.scs.2018.01.038>
26. Paoletti, G., Pascual Pascuas, R., Perneti, R., & Lollini, R. (2017). **Nearly Zero Energy Buildings: An Overview of the Main Construction Features across Europe.** *Buildings*, 7(2), 43. <https://doi.org/10.3390/buildings7020043>
27. Exner, D., D'Alonzo, V., Paoletti, G., Pascual, R., Perneti, R. (2017). **Building stock analysis for the definition of renovation scenario at urban scale.** In *Smart and Sustainable Planning for Cities and Regions*. Springer.
28. Pasut, W., Perneti, R., Lollini, R. (2016). **Flessibilità energetica: La sfida per gli edifici di ultima generazione.** *Casa e Clima*, 62, 44–48.
29. Perneti, R., Moro, A., Barbano, G., Lollini, R. (2015). **Protocolli di sostenibilità, pronti al decollo?** *Casa e Clima*, 53, 40–45.
30. Perneti, R., Prada, A., Baggio, P. (2014). **The calibration process of building energy models.** In *Building Refurbishment for Energy Performance: A Global Approach* (pp. 215–252). Springer.
31. Perneti, R., Magnani, L., Magrini, A. (2013). **Energy performance of buildings: A comparison of standard assessment methods.** In *Nearly Zero Energy Building Refurbishment: A Multidisciplinary Approach* (pp. 177–205). Springer.
32. Magrini, A., Magnani, L., Perneti, R. (2012). **The effort to bring existing buildings towards the A class: A discussion on the application of calculation methodologies.** *Applied Energy*, 97, 26–35. <https://doi.org/10.1016/j.apenergy.2012.01.012>

ORAL PRESENTATIONS WITHIN NATIONAL AND INTERNATIONAL CONFERENCES

Perneti, R., Fassio, F., Sellaro, F., Villani, S., Oddone, E. **The impact of climate change on occupational injuries: do temperature and outdoor pollution affect work-related accidents?** Accettato come presentazione orale al prossimo convegno EPICOH, Utrecht Ottobre 2025.

Pernetti, R., Previtali, B., Maffia, S., Bergamaschi, E., & Oddone, E. (2023) **Evaluating the Potential Exposure to Metal Fine and Nano Particles Generated During Wire and Powder Laser Metal Deposition**, Inhaled Particles and NanOEh conference, Manchester Maggio 2023.

Pernetti, R., Cattenone, A., Bergamaschi, E., Guseva Canu, I., Fiorentino, M. L., Oddone, E., & Imbriani, M. **Monitoring nano-particle release of metal additive manufacturing (3D printing) to assess working occupational exposures through the printing process phases**. 33rd International Congress on Occupational Health (ICOH) online, 2022.

Pernetti, R., Garzia, F., Paoletti, G., & Weiss, T. **Towards the definition of a nZEB cost spreadsheet as a support tool for the design** IOP Conference Series: Earth and Environmental Science 323 (1), Sustainable Built Environment Conference Graz, 2019.

Pernetti, R., Moro, A., Barbano, G., Lollini, R. Limits and potentials for mass certification with sustainability assessment protocols. *National Conference AiCARR: I protocolli di sostenibilità ambientale: aspetti energetici ed impiantistici*, Bologna, 2014.

Pernetti, R., Prada, A., & Baggio, P. **On the influence of several parameters in energy model calibration: the case of an historical building**. Proceedings of BSA Building Simulation Applications - 1st IBPSA-Italy Conference. Bolzano, 2013)

Magrini, A., Magnani, L., & Pernetti, R. **Analysis of the thermal control system incidence on the energy performance in building refurbishment strategies**. 48^o AiCARR International Conference - Energy refurbishment of existing Buildings: which solutions for an integrated System, Envelope, Plant. Baveno, 2011.

Turri, F., & Pernetti, R. **Italy, sustainable renewal for social housing**. Proceedings of Sb10Mad - International Sustainable Building Conference. Madrid (2010).

Turri, F., Pernetti, R., Zamperini, E., & Cappelletti, V. **Retraining of social housing in Pavia**. Proceedings of RSF - Rehabilitation and Sustainability. The Future is possible. Barcellona (2010).

ABSTRACTS WITHIN NATIONAL AND INTERNATIONAL CONFERENCES

D'Amato, L., Pernetti, R., Oddone, E. **Towards the implementation of a literature matrix to enhance the identification of occupational cancer in different working sectors**. 1^o Congress EPICOH Early Career Conference, Barcellona Ottobre 2024

Paulin, N., Pernetti, R., & Oddone, E. **Occupational exposure to incidental metal nanoparticles: a systematic review**. 1^o Congress EPICOH Early Career Conference, Barcellona Ottobre 2024

Sellaro, F., Pernetti, R., Bonafede, M., Morabito, M., & Oddone, E. **Climate Change and Occupational Exposure to High Temperatures: A Survey on Workers' Risk Awareness and Preventive Measures**. 1^o Congress EPICOH Early Career Conference, Barcellona Ottobre 2024.

Sellaro, F., Oddone, E., Pernetti, R., De Giuseppe, R., Cena, H., Manuelli, M., Grignani, E., Sacco, P., Gaetano, C., & Candura, S. M. (n.d.). **Lo studio IDEA: modificazioni dell'epigenetic clock come impatto degli inquinanti urbani in un gruppo di outdoor workers**. 86^o Congresso nazionale di medicina del lavoro, Pisa Settembre 2024.

Pernetti, R., Cerniglia, A., Frigerio, F., Greppi, F., & Oddone, E. **Valutazione del rischio Ultrasuoni nei laboratori di ricerca: applicazione delle nuove linee guida nazionali**. 85^o Congresso nazionale di medicina del lavoro, Torino Settembre 2023.

Sellaro, F., Oddone, E., Pernetti, R., Madeo, D., Paulin, N., & Candura, S. (n.d.). **La città e i suoi rischi: alterazioni biologiche negli outdoor workers**. 85^o Congresso nazionale di medicina del lavoro, Torino Settembre 2023.

Pernetti, R., Osuchowski, A., Oddone, E., **Valutare la potenziale esposizione polmonare a nanoparticolato nei processi di manifattura additiva con leghe metalliche**. 84^o Congresso nazionale di medicina del lavoro, Genova Settembre 2022.

Vigna, I., de Jaeger, I., Saelens, D., Lovati, M., Lollini, R., & Perneti, R. Perneti. **Evaluating energy and flexibility performance of building clusters**. Building Simulation conference, Rome 2019.

Pinotti, R., Perneti, R., Babich, F., & Lollini, R. **Towards a systematic approach for supporting design process of seep renovation packages based on prefabricated façade technologies**. Building Simulation conference, Rome 2019.

Vigna, I., Lovati, M., & Perneti, R. **A modelling approach for maximizing energy matching at building cluster and district scale**. BSO Conference – Cambridge 2018.

Berggren, B., Wall, M., Weiss, T., Garzia, F., & Perneti, R. **LCC analysis of a Swedish Net Zero Energy Building including co-benefits**. ISEC conference, Graz 2018.

Perneti, R., Prada, A., & Baggio, P. **Dynamic Simulation as a Tool for Energy Performance Assessment**. 11th Rehva World Congress “Energy Efficient, Smart and Healty Buildings”. Praga 2013.

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The undersigned is aware that, pursuant to art. 46-47 of Presidential Decree 445/2000, false declarations, falsity in documents and the use of false documents are punishable under the penal code and special laws. Furthermore, the undersigned authorizes the processing of personal data, as provided for by Law 196/03.

Pavia, June 2025

A handwritten signature in dark ink, reading "Roberta Perneti". The signature is written in a cursive, flowing style.