

Dottorato in Ingegneria dell'Architettura e Urbanistica
Curriculum Ingegneria Edile Architettura

Dottoranda: Federica Rosso

Pubblicazioni / Publications

SSD ICAR/10

1) Articoli / Articles

1. Rosso, F., Pisello A.L., Cotana, F., Ferrero, M. (2016) “**Thermal and visual pedestrians' perception about cool natural stones for urban paving: A field survey in summer conditions**”, in «Building and Environment» n.107, July 2016, pp. 123-136, (ISSN: 0360-1323), DOI: 10.1016/j.buildenv.2016.07.028
2. Rosso, F., Pisello, A. L., Jin, W., Ghandehari, M., Cotana, F., Ferrero, M. (2016). “**Cool Marble Building Envelopes: The Effect of Aging on Energy Performance and Aesthetics**”, in «Sustainability» n. 8(8), August 2016, pp. 753- 772, (ISSN: 2071-1050), DOI:10.3390/su8080753
3. Rosso, F., Jin, W., Pisello, A. L., Ferrero, M., Ghandehari, M. (2016). “**Translucent marbles for building envelope applications: Weathering effects on surface lightness and finishing when exposed to simulated acid rain**”. In «Construction and Building Materials», n. 108, April 2016, pp. 146-153, (ISSN: 0950-0618), DOI:10.1016/j.conbuildmat.2016.01.04
4. Rosso F., Pisello, A. L., Cotana, F., Ferrero, M. (2014). “**Integrated thermal-energy analysis of innovative translucent white marble for building envelope application**”, in «Sustainability», n. 6(8), August 2014, pp. 5439-5462, (ISSN: 2071-1050), DOI:10.3390/su6085439

2) Altro / Others

a) Capitoli di libri /Book chapters

5. Pisello, A. L., Rosso, F. (2015). **Natural Materials for Thermal Insulation and Passive Cooling Application**. In: M. A. Kamal (Ed). Materials and Construction Technologies for Sustainable Development, n. 666, pp. 1-16. Trans Tech Publications, Key Engineering Materials. ISBN: 978-3-03835-613-4, DOI: 10.4028/www.scientific.net/KEM.666
6. Pisello, A. L., Castaldo, V. L., Rosso, F., Piselli, C., Ferrero, M., Cotana, F. (2016). “**Traditional and innovative materials for Energy efficiency in buildings**”. In: M.A. Kamal (Ed.). Materials and Technologies in Construction with Reference to Energy Efficiency and Sustainable Development, n. 678, pp. 14-34. Trans Tech Publications, Key Engineering Materials. ISSN: 1662-9795, DOI: 10.4028/www.scientific.net/KEM.678.14
7. Ferrero, M., Rosso, F. (2015). “**Progettazione tecnica e calcolo statico dei sistemi voltati in pietra da taglio**”. In: Fallacara G.; Ferrero M.; Minenna V. (Eds). Nuovi sistemi voltati stereotomici: progetto, calcolo e costruzione. Ed. Gioffreda, ISBN: 9788894022889

b) Congressi / Conferences

8. Rosso F., Pisello A.L., Cotana F., Ferrero M. (2014), **Integrated Thermal Energy Analysis Of Innovative Translucent White Marble For Building Envelope Application**. Proceedings of 14th CIRIAF National Congress. Perugia, Italy. April 4-5, 2014.

9. **Rosso, F., Pisello, A. L., Cotana, F., Ferrero, M.** (2016), **Cool, translucent natural envelope: thermal-optics characteristics experimental assessment and thermal-energy and day lighting analysis**, Proceedings of 8th International Conference on Sustainability in Energy and Buildings, SEB-16, 11-13 September 2016, Turin, Italy.
10. Pisello, A.L., **Rosso, F., Castaldo V.L., Piselli, C., Fabiani, C., Ferrero, M., Cotana, F.** (2016), **May the education make people less vulnerable to urban overheating? Results from an experimental campaign in summer and winter conditions**, Proceedings of 4th International Conference on Countermeasures to Urban Heat Island, 30-31 May and 1 June 2016, Singapore, Singapore.
11. **Rosso, F., Pisello, A. L., Cotana, F., Ferrero, M. & Jin, W.** (2016), **Cool concrete for building envelope and urban paving application**, Proceedings of 4th International Conference on Countermeasures to Urban Heat Island, 30-31 May and 1 June 2016, Singapore, Singapore.
12. **Rosso, F., Pisello, A. L., Cotana, F., Ferrero, M.** (2016), **Experiences and considerations on the reduction and reuse of stone waste while optimizing their thermal energy performance for the building sector**, Proceedings of 1st International Sustainable Stone Conference, 20th May 2016, Carrara, Italy.
13. **Rosso, F., Pisello, A. L., Jin, W., Ghandehari, M., Cotana, F., Ferrero, M.** (2016), **Experimental analysis of marble building envelope degradation caused by acid rain: optic characteristics and color change**, Proceedings of 16th CIRIAF National Congress, 7-9 April 2016, Assisi, Italy.
14. **Rosso, F., Pisello, A. L., Pignatta, G., Castaldo, V. L., Piselli, C., Cotana, F., Ferrero, M.** (2015), **Outdoor Thermal and Visual Perception of Natural Cool Materials for Roof and Urban Paving**, Proceedings of ICSDEC 2015, 10-13 May 2015, Chicago, USA.