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CURRICULUM SCIENTIFICO: Professore Associato f.r. ICAR/12 *Tecnologia dell'Architettura*. Professore a contratto retribuito di *Tecnologie per il Restauro* negli a.a. 2019-20 e 2018-19 presso il Corso Magistrale in *Architettura-Restauro* del Dipartimento di Architettura dell'Università degli Studi di Roma Tre. Professore a contratto retribuito di *Sistemi costruttivi antichi e Restauro* negli a.a. 2018-19 e 2017-18 della Scuola di Specializzazione in Beni Archeologici del DiCEM. Professore a contratto a titolo gratuito di *Sistemi costruttivi antichi e Restauro* dall'a.a. 2012-13 al 2016-17 presso la Scuola di Specializzazione in Beni Archeologici del DiCEM. Dal 1988 al 31 ottobre 2017, presso la Facoltà di Ingegneria dell'UNIBAS, quale Professore Associato, titolare di più Corsi contemporaneamente nelle materie dell'SSD ICAR/12. Professore a contratto retribuito dal 1993 al 2006 nelle materie dello stesso SSD ICAR/12 presso la Facoltà di Architettura del Politecnico di Bari. Ricercatore confermato in *Unificazione edilizia e prefabbricazione* H090 dal 1981 al 1988 presso la Facoltà di Architettura di Roma "La Sapienza". Contrattista quadriennale dal 1975 al 1981 in *Unificazione edilizia e prefabbricazione* H090 presso la detta Facoltà di Architettura. Borsista biennale dal 1973 al 1975 in *Unificazione edilizia e prefabbricazione* H090 presso la detta Facoltà di Architettura. Laureato in *Composizione Architettonica, Tecnica delle Costruzioni; Tecnologia dell'Architettura*, 11/30/04/1971, relatore il Prof. Bruno Zevi, Correlatore il Prof. Sergio Musmeci.

Autore di quattro libri ed un centinaio di contributi all'interno di libri, articoli e contributi a convegni internazionali. Pubblicazioni degli ultimi dieci anni:

1. **Lembo** (2019, in corso di stampa), *Il Parco regionale naturale "Terre delle Gravine"*, relazione all'VIII Convegno internazionale "Dalle chiese in grotta alle aree della Civiltà rupestre: gli strumenti della pianificazione territoriale", Fondazione S. Domenico, Savelletti di Fasano (BR), 29 novembre – 1 dicembre 2018, in corso di pubblicazione negli Atti del Convegno, a cura di MENESTO' E., Spoleto, Fondazione Centro Italiano di Studi sull'Alto Medioevo
2. **F. Lembo** (2019, in corso di stampa), *Strati di sacrificio e colori dell'edilizia storica*, relazione al Convegno "Architettura e Cultura del Colore", Amministrazione comunale dell'Aquila, 15 marzo 2019, in corso di pubblicazione on line
3. **F. Lembo**, F.P.R. Marino, R. Masullo (2019), *Anti-seismic light, ductile, sustainable and reversible timber Quercus Cerris floors for reinforcement in conservation design*, in: Jorge M. Branco, Elisa Poletti and Hélder S. Sousa (Eds.), Proceedings of "SHATiS'2019 - 5th International Conference on Structural Health Assessment of Timber Structures", Universidade do Minho, Escola de Engenharia (Publisher), 25-27 September, Guimarães (Portugal) – pp. 829-838, ISBN: 978-989-54496-2-0
4. **F. Lembo**, F.P.R. Marino (2019), *Towards more sustainable patterns of building design through ventilated rainscreens*, IAQVEC 2019: Healthy nearly Zero Energy Buildings, IOP Publishing - IOP Conf. Series: Materials Science and Engineering **609** (2019) 072012, doi:10.1088/1757-899X/609/7/072012

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5. **F. Lembo**, F.P.R. Marino, P. Pietrafesa (2019), *Energy Efficiency Upgrade & Conservation – the Marsico Palace in Pignola (PZ)*, in: Rogério Amoêda, Sérgio Lira & Cristina Pinheiro (Eds.), Proceedings of "REHAB2019 - 4th International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures", Green Lines Institute (Publisher), 17-19 July, Guimarães (Portugal) – Chapter 4: Preservation and rehabilitation of historic buildings and structures, pp.269-280, ISBN: 978-989-8734-41-9, eBook ISBN: 978-989-8734-42-6
6. F.P.R. Marino, **F. Lembo**, C. Lisi (2019), *The Refurbishment of former Remand Home "E. Gianturco" in Avigliano (Potenza, Italy), upgrading its seismic resistance and transforming it in a NZEB Elderly People and Social House*, in: Rogério Amoêda, Sérgio Lira & Cristina Pinheiro (Eds.), Proceedings of "REHAB2019 - 4th International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures", Green Lines Institute (Publisher), 17-19 July, Guimarães (Portugal) – Chapter 4: Preservation and rehabilitation of historic buildings and structures, pp.257-268, ISBN: 978-989-8734-41-9, eBook ISBN: 978-989-8734-42-6
7. F.P.R. Marino, **F. Lembo**, V. Fanuele (2019), *Towards more sustainable patterns of urban development*, SBE19 - Emerging Concepts for Sustainable Built Environment, IOP Publishing - IOP Conference Series: Earth and Environmental Science **297** (2019) 012028, doi:10.1088/1755-1238/297/1/012028

To cite this article: F P R Marino et al 2019 IOP Conf. Ser.: Earth Environ. Sci. **297** 012028

8. **F. Lembo**, F.P.R. Marino, C. Cancellara (2018), *Conservation of the Church and the Friary of "Santa Maria degli Angeli" in Atella (Potenza, Italy)*, Journal of Civil Engineering and Construction (JCEC), ISSN(Online): 2051-7777, ISSN(Print):2051-7769, Volume 7, number 4, November 2018, pp.178-191, DOI: 10.32732/jcec.2018.7.4.178
 9. F.P.R. Marino, **F. Lembo** (2017), *How to define a design methodology able to achieve anti-seismic and functional upgrades of building heritage*, in: Rogério Amoêda, Sérgio Lira & Cristina Pinheiro (Eds.), "REHAB2017 – Proceedings of the 3rd International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures", Green Lines Institute (Publisher), Braga (Portugal), Chapter 3: Preservation and rehabilitation of historic buildings and structures: case studies, pp.309-321, ISBN: 978-989-8734-24-2, eBook ISBN: 978-989-8734-23-5
 10. **F. Lembo**, F.P.R. Marino, C. Lucia (2017), *From "brutalist" to "sustainable" – the COIM shopping and office center in Potenza, Italy, becomes NZEB*, in: Rogério Amoêda, Sérgio Lira & Cristina Pinheiro (Eds.), "REHAB2017 - Proceedings of the 3rd International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures", Green Lines Institute (Publisher), Braga (Portugal), Chapter 1: Technologies for inspection and monitoring of buildings performance and Pathologies, pp.11-19, ISBN: 978-989-8734-24-2, eBook ISBN: 978-989-8734-23-5
 11. **F. Lembo**, F.P.R. Marino, V. Rabasco (2017), *A software to optimize the design of ventilated rainscreens*, World Journal of Engineering and Pure & Applied Sciences (WJEPAS)", Vol.6, n.1, ISSN: 2249-0582 (2017)101_112
 12. F.P.R. Marino, **F. Lembo**, G. De Filpo, M. Cammarelle (2017), *A calculating sheet to optimize the design of modified Turkey Oak wooden laminated floors*, World Journal of Engineering and Pure & Applied Sciences (WJEPAS)", Vol.6, n.1, ISSN: 2249-0582(2017)101_108
 13. **F. Lembo**, F.P.R. Marino, M. Varuolo (2016), *Progettare una scuola per l'infanzia con bilancio di sostenibilità ambientale positivo*, in: PROTECTA, Speciale 30 anni «Energia Efficienza Ecomobilità» Edizione n. 12, dicembre 2016, Ecoedizioni Internazionali s.r.l., pp. 116-117, ISSN: 1121-3124
 14. **F. Lembo**, F.P.R. Marino (2016), *The refurbishment of the Basilicata constructive historical models through the refurbishment of the medieval historic centre of Brienza (PZ, Italy)*, in: Rogério Amoêda, Sérgio Lira & Cristina Pinheiro (Eds.), "HERITAGE 2016 – Proceedings of the 5th International Conference on Heritage and Sustainable Development", Green Lines Institute (Publisher), Lisbon (Portugal), Vol.2, Chapter 7: Preservation of historic building and structures, pp.1355-1365, ISBN 978-989-8734-15-0, eBook ISBN: 978-989-8734-14-3
 15. F.P.R. Marino, **F. Lembo** (2016), *Brutalist architecture and pathologies: how design mistakes can make a building "sick" from the beginning*, in: J.M.P.Q. Delgado (ed.), "Case Studies of Building Pathology in Cultural Heritage", Springer Science+Business Media Singapore 2016, Building Pathology and Rehabilitation 7, pp. 221-232, ISBN 9789811006388, ISSN 2194-9832, DOI: 10.1007/978-981-10-0639-5_11
 16. **F. Lembo**, F.P.R. Marino (2016), *The Pathologies of the ETICS*, in: J.M.P.Q. Delgado (ed.), "Recent Developments in Building Diagnosis Techniques", Springer Science+Business Media Singapore 2016, Building Pathology and Rehabilitation 5, pp. 37-49, ISBN 9789811004650, ISSN 2194-9832, DOI: 10.1007/978-981-10-0466-7_3
 17. F.P.R. Marino, **F. Lembo** (2015), *How to refurbish '80s brutalist architecture, turning it into NZEB: the case study of the High School "Enrico Fermi" in Muro Lucano (Potenza, Italy)*, in: A.Y. Oral, Z.B. Bahsi, M. Ozer (edited by), "ENEFM 2014 - 2nd International Congress on Energy Efficiency and Energy Related Materials", Springer Proceedings in Energy, Springer Inter. Publ. Switzerland (2015), pp.269-279, ISBN 978-3-319-16900-2, ISSN 2352-2534, DOI: 10.1007/978-3-319-16901-9_33
 18. **F. Lembo**, F.P.R. Marino (2015), *The Environment-Friendly Architecture come through wooden architecture*, in: A.Y. Oral, Z.B. Bahsi, M. Ozer (edited by), "ENEFM 2014 - 2nd International Congress on Energy Efficiency and Energy Related Materials", Springer Proceedings in Energy, Springer Inter. Publ. Switzerland (2015), pp.281-289, ISBN 978-3-319-16900-2, ISSN 2352-2534, DOI: 10.1007/978-3-319-16901-9_34
 19. **F. Lembo**, F.P.R. Marino (2015), *ETICS' pathologies*, in: de Freitas Vasco Peixoto, de Angelis Enrico, Corvacho Helena,
-

Delgado João, Guimarães Ana Sofia (Edited by), "ISBP2015 – 1st International Symposium on Building Pathology – Conference Proceedings", University of Porto – Faculty of Engineering, FEUP Edições, pp.139-145, ISBN 978-972-752-175-3

20. F.P.R. Marino, **F. Lembo** (2015), *How design mistakes can make a building "sick" from the beginning: the case of a paradigmatic building of the brutalist architecture in Potenza (Italy)*, in: de Freitas Vasco Peixoto, de Angelis Enrico, Corvacho Helena, Delgado João, Guimarães Ana Sofia (Edited by), "ISBP2015 – 1st International Symposium on Building Pathology – Conference Proceedings", University of Porto – Faculty of Engineering, FEUP Edições, pp.685-692, ISBN 978-972-752-175-3
 21. **F. Lembo**, F.P.R. Marino (2014), *Typological choices for underground architecture*, in: "ACUUS 2014 – 14th World Conference of Associated research Centers for the Urban Underground Space", Research Center for Urban Underground Space (RCUUS) - Korea Institute of Building Construction (KIC) (Seoul, Korea) - Associated research Centers for the Urban Underground Space (ACUUS). Conference Proceedings, pp.424-429. Coex, Seoul, KOREA, 24-26 settembre 2014
 22. **F. Lembo**, F.P.R. Marino (2014), *The High School "Giustino Fortunato" in Rionero in Vulture (Potenza, Italy): how to refurbish an higher education institute made in brutalist architecture of '80, leading it to be a NZEB and preserving its formal features*, in: "XIII DBMC - Proceedings of the International Conference on Durability of Building Materials and Components", pp. 745-752. Escola Politecnica, University of São Paulo, São Paulo State Housing Syndicate (Brasil), 3-5 settembre 2014. Publication CIB – RILEM
 23. **F. Lembo** (2014), *Transforming a brutalist monument into an energy efficient building without destroying the formal appealing: the example of the Mediterranean Bank in Potenza (Italy)*. Chapter 11 in: A.Y. Oral, Z.B. Bahsi, M. Ozer (edited by), "ENEFM 2013 - Proceedings of the International Congress on Energy Efficiency and Energy Related Materials" - Springer Proceedings in Physics 155 - Springer Inter. Publ. Switzerland (2014), pp. 83-90. ISBN 9783319055206, ISSN 0930-8989, doi: 10.1007/978-3-319-05521-3_11
 24. **F. Lembo** (2013). *Causes: processes where there is lack of quality control, errors in planning or executing*, in AA.VV.: "A State-of-the-Art Report on Building Pathology – CIB W086 BUILDING PATHOLOGY", Vasco Peixoto De Freitas (edited by), CIB - International Council for Building, pp.167-171 – Rotterdam (NL) CIB Publication 393 - ISBN 978-90-6363-082-9
 25. **F. Lembo**, F.P.R. Marino (2013). *Ipotesi di ricostruzione del sistema delle coperture dell' anaktoron di Torre di Satriano*, in: "Segni del potere - Oggetti di lusso dal Mediterraneo nell'Appennino lucano di età arcaica" – Matera, M. Osanna & M. Vullo (a cura di), Osanna Edizioni s.r.l., Venosa (PZ), pp.75-82, ISBN 9788881674015
 26. **F. Lembo** (2013). *Thermo-hygrometric and physical-mechanical pathologies of the flat roofs made of steel: the case of a large industrial plant in Tito (Potenza, Italy)*, in: S. Kajewski, K. Manley & K. Hampson (Eds.), "Proceedings of the 19th CIB World Building Congress, Brisbane: Construction and Society" –Brisbane (Australia) 5-9 May 2013, Queensland University of Technology, Brisbane, ISBN 978-0-9875542-0-8
 27. **F. Lembo**, F.P.R. Marino (2013). *Semi-underground Buildings: Design Models for the Contemporary Cities*, in: Zhou, Cai & Sterling (eds), Advances in Underground Space Development, Proceedings of ACUUS 2012 Congress, Singapore 7-9 November 2012, Published by Research Publishing, The Society for Rock Mechanics & Engineering Geology (Singapore), pp.139-149, ISBN: 978-981-07-3757-3, doi:10.3850/978-981-07-3757-3_RP-111-P154
 28. **F. Lembo**, F. P. R. Marino (2012). *Raffrescare naturalmente un edificio con le tecniche costruttive storiche dell'architettura pugliese*. PROTECTA, vol. 4 (2012), p. 70-73, ISSN: 1121-3124
 29. **F. Lembo**, F. P. R. Marino, D. Ioanni (2012). *Software for Environmental Assessment of Building Materials Product Module (EABM-P)*. In: BSA 2012 Proceedings of the 1st International Conference on Building Sustainability Assessment. Porto, 23-25 Maggio 2012, p. 899-908, Porto: Green lines institute for sustainable development, ISBN: 9789899567177
-

30. **F. Lembo**, F. P. R. Marino, D. Ioanni (2012). *Software for Environmental Assessment of Building Materials Technical Element Module (EABM-TE)*. In: BSA 2012 Proceedings of the 1st International Conference on Building Sustainability Assessment. Porto, 23-25 Maggio 2012, p. 889-898, Porto: Green lines institute for sustainable development, ISBN: 9789899567177
31. **F. Lembo** (2011). *Complesso turistico a Mottola, IT*. [ark] 1/2011, pag.22 dell'edizione italiana della Rivista Internazionale STO specializzata per Architetti, pubblicata in 9 lingue
32. **F. Lembo**, F. P. R. Marino, N. Ambrosecchia (2011). *Sustainability in civil engineering: integrated mix of some non-invasive sensing techniques for conservation and restoration of historical buildings and frescoes*. PROCEDIA ENGINEERING, vol. 21 (2011), p. 446-456, ISSN: 1877-7058, doi:10.1016/j.proeng.2011.11.2037
33. **F. Lembo**, F. P. R. Marino, C. Calcagno (2011). *Semi underground house models as a new concepts for urban sustainable environment*. PROCEDIA ENGINEERING, vol. 21 (2011), p. 570-579, ISSN: 1877-7058, doi: 10.1016/j.proeng.2011.11.2052
34. C. Calcagno, **F. Lembo**, F. P. R. Marino (2011). *New semi-underground house models, high density-low rise*. In: GRA-Vol.13/2011. GEOPHYSICAL RESEARCH ABSTRACTS, vol. 13, EGU2011-538, Vienna:European Geosciences Union (EGU), ISSN: 1607-7962, Vienna, 3-8 Aprile 2011
35. **F. Lembo** (2011). *Semi-underground houses and their role in the building of sustainable urban landscape*. In: GRA-Vol.13/2011. GEOPHYSICAL RESEARCH ABSTRACTS, vol. 13, Vienna:European Geosciences Union (EGU), ISSN: 1607-7962, Vienna, 3-8 Aprile 2011
36. N. Casale, **F. Lembo**, F.P.R. Marino (2011). *Principles and case studies of bioclimatic semi-underground architecture*. In: GRA-Vol.13/2011. GEOPHYSICAL RESEARCH ABSTRACTS, vol.13, EGU2011-367, Vienna:European Geosciences Union (EGU), ISSN: 1607-7962, Vienna, 3-8 Aprile 2011
37. **F. Lembo** (2011). *Pathologies of industrialized buildings made by bearing precast concrete panels. The case study of intervention with the same building system at Chiaromonte (27 dwellings), Francavilla in Sinni (27 dwellings) and Lagonegro (36 dwellings)*. In: XII DBMC: 12th International Conference on Durability of Building Materials and Components. PORTO: FEUP Edições, ISBN: 9789727521326, Porto, 12-15 April 2011
38. **F. Lembo**, F. P. R. Marino, N. Ambrosecchia (2010). *Application of some integrated non-invasive sensing techniques for conservation and restoration of the Underground Church and frescoes of S. Maria della Palomba's Sanctuary, Matera (Italy)*. In: GRA-Vol.12/2010. GEOPHYSICAL RESEARCH ABSTRACTS, vol. 12, EGU2010-14888, Vienna:European Geosciences Union (EGU), ISSN: 1607-7962, Vienna, 2- 7 Maggio 2010
39. **F. Lembo**, F. P. R. Marino, N. Casale (2010). *Eco-sustainable reuse of "Costantinopoli" quarry in Sala Consilina (Italy)*. In: IABSE SYMPOSIUM VENICE 2010 - Large Structures and infrastructures for Environmentally Constrained and Urbanised Areas. vol. 97, Zürich: IABSE AIPC IVBH, ISBN: 9783857481222, Venezia, 22-24 Settembre 2010
40. **F. Lembo** (2010). *Pathologies of the contemporary constructions. The case study of a school building realized in mixed-traditional technique*. In: Building a Better World - CIB 2010 Wold Congress Proceedings. Salford Quays (United Kingdom), 10-13 Maggio 2010, Salford Quays (United Kingdom):University of Salford - Salford Quays (United Kingdom), ISBN: 9781905732913
41. **F. Lembo**, F. P. R. Marino (2010). *The standardization and cataloging of recurrent defects to create "databanks of failure cases"*. In: "W86 State of The Art Report – Building Pathology", Draft V, CIB Press
42. **F. Lembo** (2010). *Pathologies of the contemporary constructions. The case study of a school building realized in mixed-traditional technique*. In: CIB - International Council for Building. TG75, W014, W080, & W086 Collected Papers on Building

Technology 18th CIB World Building Congress, May 2010 Salford, United Kingdom. vol. CIB Pubblication 363, p. 401-410, Rotterdam (NL): CIB – International Council for Building

43. **F. Lembo**, F. P. R. Marino, G. Lacava (2009). *DSF performance exchanging skins*. In: Atti del "1st International Conference of Sustainable Built Environment Infrastructures in Developing Countries", Department de Génie Civil – Laboratoire de Matériaux – "Durability of Materials and Structures Experiment Maintenance and Pathology Sustainable Practices/Standards/Specifications", vol. 3, p. 197-204, ORAN Imprimerie de l'ENSET Oran, Oran (Algeria), 12-14 Ottobre 2009, ISSN 2170-0095
44. **F. Lembo** (2009). *Causes of failure: errors in planning or executing and lack of quality control processes*. In: W86 State of The Art Report Building Pathology, Draft III "Building Pathology", Draft III. p. 207-219, Rotterdam (NL), CIB - International Council for Building.

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