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PROF. FILIBERTO LEMBO

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SCIENTIFIC CURRICULUM VITAE:

Born in Bari the 11th of January 1947, living in Mottola (TA), Via Giuseppe Mazzini, 82, *Architecture's Technology* Associate Professor and *Projects for the restoration and building renovation charged* Professor at the School of Engineering of the 'University of Basilicata - Potenza; *Ancient construction systems and restoration charged* Professor at the School of Specialization in Archaeological Heritage of the University of Basilicata in Matera; Architect, registered at the Order of Architects of Taranto. He had classical studies at the Liceo Classico "Orazio Flacco" in Bari; he graduated the 30th of April 1971 at the Architecture College of Rome "La Sapienza" university with a final work in Architectural Composition "Megastructure on the urban area Punta Penna-Pizzone in Taranto", supervised by Prof. Bruno Zevi, with the Profs. Sergio Musmeci and Tommaso Valle as correlators, mark 110/110: the final work has been published in several architectural magazines and by the 'Provincial Administration of Taranto.

In the *Construction Unification and Prefabrication* course of the Architecture College at the University of Rome "La Sapienza", held by Prof. Arch. Giuseppe Morabito, has been a biennial Fellow in the period 1971-1975, then a quadrennial Contractor from 1975 to 1981, then Researcher and confirmed Researcher from 1981 to 1988; then he won the Associate Professor Competition in *Technology of design and building production*, then in *Architecture's Technology*, at the Engineering School of the University of Basilicata in Potenza, from 1988 to present.

He has taught at the Faculty of Engineering of the University of Basilicata, not only the discipline of ownership and *Design of building systems*, but also: *Appraisal and principles of economic technique* (aa 1989-90 and 1990-91); *Technical Architecture 1 and 2* (2008-09); *Integral design* (2006-07, 2010-11); *Design laboratory finalized to the final work writing, Orientation 2: Technologies for the recovery and for the new*, (2006-7, 1011-2012); and at the Architecture College of the Polytechnic of Bari, starting from the academic year 1990-91 and the 2005-06, either: *Technology of construction materials; Technology of the building elements; Materials and design of building components*. He designed and conducted master classes about the building certification and about the new conceptions of the building casings, at the 'University of Basilicata and the University of Pavia and at the Order of Engineers of the Province of Potenza, Foggia, Trento, Bolzano and the Order of Architects of Savona, Macerata, Florence and Taranto.

He was a member of several national committees at the competitions for the new Associate Professors, and several jury commissions for the final judgement of the PhD in Architecture's Technology.

Actually he is the President of the Council for the Civil Engineering Course (Class 4) and Building Engineering (Class 4S) at the Engineering College of the University of Basilicata.

He is effective member of the following Commissions of the CIB - International Building Committee: CIB W 86 *Building Pathology*; CIB W 80 *Prediction of Service Life of Building Materials and Components* (Joint Commission CIB - RILEM); ISO TC 59 *Durability of Building Materials and Components*.

He's the author of several books, some of the most important are: "Industrializzazione dell' edilizia: approccio alla struttura sistemica del processo edilizio" (con G. Morabito, R. Palumbo e G. Peguiron), Roma, Ed. Istituto di Tecnologia dell' Architettura, 1971; "Il centro storico di Massafra" (con C.D. Fonseca) – Lecce, Annali dell' Università degli Studi, Facoltà di Lettere e Filosofia, Vol. VII (1975-76) – Adriatica Editrice Salentina, 1977; "La prefabbricazione a pannelli nell' edilizia residenziale" (a cura di), Bologna, Ed. C.E.L.I., 1978; "Isolare dall' esterno – teoria, tecniche, manutenzione", Faenza, Faenza Editrice, 1990, 2 volumi; "Il comportamento nel tempo degli edifici – cause di degrado e soluzioni progettuali dei sistemi 'tradizionali' ed 'industrializzati' – casi di studio" (con F.P.R. Marino), Roma, E.P.C. Libri, 2002.

He's the also the author of many book chapters on the importance of rock settlements and on the design of partially buried Sustainable pieces of city; he developed (with F.P.R. Marino) a new thermo-hygrometric system for the treatment of the oak's wood and from that he developed some structural applications in the sustainable recovery and sustainable design of new buildings fields, including high-rise ones, presenting them to international committees.

He deals with high efficiency wrappers, insulation from the outside and ventilated walls, he developed (with F.P.R.



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Marino and G. Lacava) a software for the optimization of the Double Skin Facade, and is working on a software for the optimization of ventilated walls.

He is the writer of several dozen articles in Italian professional journals and many interventions at international conventions about some topics of interest.

Among his professional activities it's important to remember that:

- he won some national design competitions, for the construction of the Urban Park "Rotonda" in Mottola, and for the realization of 150 accommodations of the USAF base in San Vito dei Normanni (BR);
- he drafted the General Plan of the City of Rotondi (Avellino) and is a consultant for the preparation of General Urban Plan of Mottola;
- he drew up, as the coordinator of the group of the charged designers, the detailed plan for the recovery of the ancient center of Laterza (TA);
- he drafted many Framework, Housing development plans and Industrial Settlement plans, most of which effectively realized ;
- he designed and directed, both from the architectural point of view than from the structural and plant and security, the construction of hundreds of housing of free or subsidized housing, from the most different types and, during the reconstruction activities post-1980 earthquake in Campania, he was the technical director of the Consortium for Enterprise "Agency for the Reconstruction of Irpinia - E.P.R.I. S.p.A., comprising n. 83 Companies of the Province of Avellino, under the auspices of College of Builders of Avellino, owner of the other 17 shares. With this capacity, he oversaw the consolidation interventions of the former 80th Ordinance about 300 houses owned by the IACP of Avellino and he planned, or coordinated, the realization of various interventions of ERP (n.42 units in Montella, n. 38 apartments in Montoro Superiore, n.20 accommodation in Castelvetere sul Calore);
- he planned and directed the construction of hotels and resorts;
- he designed and directed the construction or renovation of many public buildings, including: the reconstruction and conservative restoration of the 1500 Convento dei Cappuccini in Massafra (TA); the restoration of the former Castello-Palazzo Baronale- Episcopal Seminary in Castellaneta (TA); the reconstruction of a part of the Mottola castle (TA) to host the Municipal Library and the Museum; he designed Piazza XX Settembre and directed the restoration of the Conferences Hall "Orfeo" in Mottola (TA); two science high schools (in Nereto (TE) and Mottola (TA); the church of St. Lorenzo from Brindisi in Taranto; the Hall of Cermignano (TE) and the headquarters for the valley community of Vomano, Fino and Piomba in Cermignano (TE);
- he was coordinator-referent of the designers and construction managers for the construction of the new University of "Macchia Romana" in Potenza (first, second and third lot, for 160 billion of italian lire). He coordinated the design of the fourth lot, unrealized (54 billion of italian lire).

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**PROFESSOR'S OFFICE HOUR:**

On Tuesday, 12:30-15:00. Macchia Romana Campus, School of Engineering (4th floor, Engineering Building, Room n.12)

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