Curriculum Vitae

Family Name: Valluzzi First Name: Maria Rosa Date of Birth: 06 July 1968 Nationality: Italian

Education/ Professional Studies:

Institution: University of Padua
Date From/To: 1995
Degree/ Diploma: Graduation in Civil Engineering
Institution: University of Trieste
Date From/To: 2000
Degree/ Diploma: PhD

Language skills : (From 1 (notions) to 5 (excellent) for competence) (*=mother tongue)

Language	Speaking	Reading	Writing
English	5	5	5
Italian	*		

Membership of Professional bodies:

Association of Engineers of Padua, Italy. Since 16/09/1996; No.: 3693
RILEM - Réunion Internationale des Laboratoires et Experts des Matériaux, Systèmes de Constructions et Ouvrages
CNR-GNDT National Group for Earthquake Defense: Experimentation Work Group and Vulnerability Work Group

Other skills:

Graduated in Civil Eng. (1995), University of Padua, summa cum laude. Scholarship award (1996) on the BRITE-EURAM contract. Visiting scholar at the University of Colorado at Boulder, USA (1998). Ph.D in "Design and conservation of Structures" (2000), XIII cycle, University of Trieste. Holder of Research Projects for Young Researchers: years 2001-02 & 2002-03. Holder of a Research Grant (2001-04); Assistant Professor from 2004 at the University of Padua. Lecturer in several graduate courses and post-graduate courses at the University of Padua, such as: "Structural Problems of Monuments and Historic Buildings", Faculty of Engineering; "Architectural Restoration", Faculty of Arts.
She has collaborated with several international specialists and researcher in the field of cultural heritage. She is author and co-author of more than 100 notes (10 papers on international journal, 14 papers on national journal, 6 monographic contribution, 70 papers on international conference, 15 papers on national conference).
In the year 2005 she received the Robert L'Hermite medal awarded by RILEM (Paris).

Present Position within the organisation:

Assistant Professor

Professional experience Record (relevant to the proposal):

She has collaborated in several projects concerning the structural behaviour and the repairing/strengthening of cultural heritage buildings or structures consistent with the proposed project, such as: structural improvements of historical buildings in Venice (Molin's Palace), Vicenza (Civic Tower), Pordenone (church tower); restoration of Venice's banks and bridges (S.Severo's canal, Malvasia Vechia's bridge); structural analysis of municipal (Schio, Vicenza) and educational buildings.

Publications (most relevant in the last five years):

Valluzzi M.R. , Valdemarca M., Modena C. (2001). " Behavior of brick masonry vaults strengthened by frp laminates ", ASCE Journal of Composites for Construction, August 2001, vol. 5, n. 3, pp. 163-169.

Penazzi D., Valluzzi M.R. , Saisi A., Binda L., Modena C. (2001). "Repair and strengthening of historic masonry building in seismic area", International Millennium Congress 'More than two thousand years in the history of architecture safeguarding the structure of our architectural heritage', Bethlehem (Palestine), Vol. 2, Section V (7 pp.).

Bondì A., Modena C., Valluzzi M.R. , da Porto F. (2001). "Studies and analyses for the conservation and use of the "Arsenale" of Venice", 3 rd Int. Conf. 'Science and –technology applied to the protection of the Cultural Heritage in the Mediterranean Basin', Alcalà de Henares, Spain, 9-14 July 2001.

Modena C., Valluzzi M.R. (2001). "Repair and upgrading techniques of historic masonry buildings: researches and applications", 7 th Int. Conf. on 'Inspection, appraisal, repairs and maintenance of buildings and structures', Nottingham-Trent University Campus, UK, 11-13 September 2001, pp. 93-106.

Valluzzi M.R., Bondì A., da Porto F., Franchetti P., Modena C. (2002). "Structural investigations and analyses for the conservation of the "Arsenale" of Venice", Journal of Cultural Heritage, Ed. Elsevier, January-March 2002, Vol. 3, n. 1, pp. 65-71.

Modena C., Valluzzi M.R. , T. Folli R., Binda L. (2002). " Design choices and intervention techniques for repairing and strengthening of the Monza cathedral bell-tower", Construction and Building Materials , Special Issue, 16(7), O ct . 2002, Elsevier Science Ltd., pp. 385-395.

Valluzzi M.R. , Tinazzi D., Modena C.(2002). " Shear behavior of masonry panels strengthened by frp laminates ", Construction and Building Materials , Special Issue, 16 (7) , O ct . 2002, Elsevier Science Ltd., pp. 409-416.

Valluzzi M.R. , Binda L. and Modena C. (2002). "Experimental and analytical studies for the choice of repair techniques applied to historic buildings", RILEM Materials and Structures, June 2002, Vol. 35, pp. 285-292.

Valluzzi M.R. , da Porto F., Modena C. (2003). "Structural investigations and strengthening of the civic tower in Vicenza ", Structural Faults & Repair - 2003, Commonwealth Institute, Kensington, London, UK, 1-3 July 2003 (10 pp., on CD-ROM).

da Porto F., Valluzzi M.R. , Modena C. (2003). "Use of sonic tomography for the diagnosis and the control of intervention in historic masonry buildings", International Symposium Non-destructive Testing in Civil Engineering NDT-CE 2003, Berlin, Germany September 16-19, 2003 (10 pp., on CD-ROM).

Valluzzi M.R., da Porto F., Modena C. (2004). "Behavior and modeling of strengthened three-leaf stone masonry walls" Materials and Structures - Matériaux et Constructions, RILEM Publications; Vol. 37, n. 267, April 2004, pp 184-192

Valluzzi M.R. , da Porto F., Modena C. (2004). "Preservation of masonry church façades: investigation techniques and structural assessments", 6 th International Symposium on the Conservation of Monuments in the Mediterranean Basin, Lisbon, Portugal – 7-10 April 2004, pp. 566-570 (on CD-ROM)

Binda L., Cardani G., Saisi A., Modena C., Valluzzi M.R. (2004). "Multilevel approach to the analysis of the historical buildings: application to four centers in seismic area finalised to the evaluation of the repair and strengthening techniques", 13 th International Brick/Block Masonry Conference

Valluzzi M.R. , Cardani G., Binda L., Modena C. (2004). "Seismic vulnerability methods for masonry buildings in historical centres: validation and application for prediction analyses and intervention proposals", 13 th World Conference on Earthquake Engineering, August 1-6, 2004, Vancouver, B.C., Canada.

M. R. Valluzzi, D. Tinazzi, C. Modena (2005). Strengthening of masonry structures under compressive loads by FRP strips: local-global mechanical behaviour. Science and Engineering of Composite Materials. Vol. in press.

Valluzzi M.R., Binda L., Modena C., Mechanical behaviour of historic masonry structures strengthened by bed joints structural repointing, Construction Building Materials, Vol. 19, n. 1, pp. 63-73, 2005.

Turco V., Secondin S., Morbin A., Valluzzi M.R., Modena C. (2006), "Flexural and shear strengthening of un-reinforced masonry with FRP bars", Composites Science and Technology, v 66, n 2, February, 2006, Experimental Techniques and Design in Composite Materials, p 289-296