

Stefano Della Torre  
Curriculum Vitae

Born at Cernobbio (Como, Italy) on August 8th 1955

He graduated at Politecnico di Milano, in Civil Engineering, Structural section, in 1980 (mark 92/100, tutors L- Grassi and A. Migliacci), and in Architecture in 1986 (mark 100/100 cum laude, tutor G. Ricci). He has been assistant professor of restoration at Politecnico di Milano in 1984, then in 1992 associate professor of Restoration, at first at the University of Brescia, and since 1998 at Politecnico di Milano, Faculty of Architecture, where he became full professor in March 2001. In 2011 appointed as the Director of the Department of Building & Environment Science and Technologies in Politecnico di Milano; since 2013 he serves as the Director of the Department of Architecture, Built Environment and Construction Engineering.

1995- 1997 University of Brescia, Department of Civil Engineering - "Study and research center on conservation and restoration of the architectural heritage" - Scientific Director Since

2011-2018 President of the Italian Chapter of BuildingSmart IAI - International Alliance for Interoperability.

#### SCIENTIFIC ACTIVITY

Author of more than 360 publications.

Among his responsibilities:

1999- 2000 Lombardy Region, General Directorate for Culture FSE Research Project " Education for innovation.

Technical professions in the field of preventive conservation and maintenance of the built cultural heritage" Coordinator of the working group.

2001- 2002 Member of the research team on "Public works process improvement" On behalf of Regione Lombardia, General Direction of Public Works and Civil Protection Coordinator:

prof. Pietro Natale Maggi

2001- 2002 FSE 2000 -2001 Project n. 34070 "A Model of Competitive Intelligence to support innovation and technology transfer in SMEs" Research and didactics

2001- 2003 MIUR Research "Information systems for the conservation of built cultural heritage" (biennial COFIN 2001, principal investigator: Prof. Sergio Croce) Head of research unit

2003- 2003 Interreg IIIB project "Culturalp: Knowledge and enhancement of historical centres and cultural landscapes in Alpine Space" Regione Lombardia Scientific consultant

2003- 2006 SIDART Project (Integrated System for Cultural Heritage Diagnostic) Scientific Coordinator on behalf of the partner Politecnico di Milano

2006 Lombardy Region, Regional Research Institute Research project 2005B008: "Existing skills and development scenarios in the field of cultural heritage conservation in Lombardy" - Member of the steering committee

2008 Interregional Project: "Professioni e mestieri per il patrimonio culturale (Cultural heritage skills and jobs)" - Member of the steering committee

2006/2007 SPRECOMAH project (EU 6th FP) - Associate partner

2011- 2012 Interreg IIIA "SAPALP" Project Politecnico di Milano, BEST Department Scientific coordinator

PRECOMOS network - UNESCO Chair on "Preventive conservation, maintenance and monitoring of monuments and sites" established at the K.U.Leuven (Belgium), with Raymond Lemaire International Centre for Conservation (RLICC), Monumentenwacht Vlaanderen vzw (Belgium) and University of Cuenca (Ecuador) Associate partner.

In this context, a particular strand of research is focused on the economic impact of preventive and planned conservation.

The concept of "program" was then extended to integrated cultural systems ("cultural districts") with the project of Integrated Cultural System of the Comacina Island District. More recently it has been prepared a feasibility study ("I distretti culturali volano economico per il territorio") on behalf of Fondazione Cariplo. Projects in this research area: Comacina Island - integrated cultural system and "I distretti culturali volano economico per il territorio" (feasibility study on behalf of Fondazione Cariplo).

#### RESEARCH AND RESTORATION PROJECTS (In recent years, with direct operational responsibility)

1996-97 Restoration of Villa Monastero in Varenna (LC) University of Brescia and Province of Lecco. Coordinator of the working group.

1997-98 Preventive restoration of Palazzo Natta in Como (facades and roof). Convention between University of Brescia and Province of Como. Scientific consultant.

1998-99 Conservation project of the Oratorio di S. Maria at S.Paolo in Cantù (Co). Scientific consultant.

1998-99 Restoration of the State Archive of Mantua (monastic complex Santissima Trinità) Scientific consultant.

1999 Restoration and reuse of Palazzo Natta in Como Convention between Politecnico di Milano and Municipality of Como. Scientific consultant.

1999 Restoration of the Broletto Palace - Como Convention between Politecnico di Milano and Municipality of Como Scientific consultant.

1999 Restoration and reuse of Villa Litta-Modignani - Ossona (MI) Municipality of Ossona Scientific consultant.

1999-2005 Regione Lombardia and Regional Research Institute. Scientific consultant for developing innovative cultural heritage policies.

2000 Comacina Island - protection and enhancement of the archeological site Province of Como Scientific and research consultant

2000- 2001 Restoration and reuse of Villa Litta-Modignani - Ossona (MI) Preliminary design; final design, reinforcement and elimination of the architectural barriers (north wing)

2002- 2003 Comacina Island - Consultancy for the Integrated cultural system Province of Como Scientific Director

2002- 2005 Restoration of Palazzo Natta in Como Municipality of Como Scientific consultant

2003 Survey and Conservation Plan of San Salvatore in Pavia On behalf of Regione Lombardia as a test of guidelines for planned conservation Scientific coordinator of the project

2003- 2005 Survey of Villa Reale in Monza (in coll.) Agenzia del Territorio, Regione Lombardia Scientific coordinator

2003- 2004 IPAB, Milano Scientific consultant for developing a strategy of planned conservation.

2003 Restoration of six monuments in Milan (Fontana del Verziere in Piazza Fontana, Pozzo di Piazza Mercanti, Lapidri in bronzo della Loggia dei Mercanti, Monumento a Carlo Cattaneo in Via Santa Margherita, Monumento a Giuseppe Parini in Piazza Cordusio e Colonna del Verziere in Largo Augusto). Preliminary and executive project

2005 Restoration project of the Bellusco Castle Municipality of Bellusco (Mi) Scientific consultant

2005 Research: "Conservation project of Palazzo Scotti: preliminary investigations" Municipality of Laino (Co)

2005- 2012 "Cultural Districts" project Consultancy on behalf of Fondazione Cariplo

2006- 2007 Restoration project of the Mura Spagnole in Milano (in coll.). Executive project

2007 Restoration of Porta Romana in Milano (in coll.). Executive project

2007 International Design Competition "Museo Diocesano", with arch. Cino Zucchi. Competition - admission to the second phase.

2008- 2009 Piano di Governo del Territorio (arch. Dinale-Rigonat Hugues) Municipality of Chiavenna Scientific consultant

2009- 2012 Ca' Granda (Università Statale of Milan): restoration of the facades (in coll.). Scientific consultant for the restoration.

2013-2016 Coordination of the working group for the after-earthquake Reconstruction of S. Maria di Collemaggio Basilica in L'Aquila

2016-onwards Coordination on behalf of Politecnico di Milano of the consultancy to Veneranda Fabbrica del Duomo for the conservation of Milan Cathedral

#### TEACHING ACTIVITIES (Summary)

Since 1991 Professor of Architectural Restoration at University of Brescia (Faculty of Engineering) and Politecnico di Milano, schools of Architecture and Engineering.

Director of the II Level Specializing FSE Master "Progettista della Conservazione programmata" ("Planned conservation") – 2005-

Director of the II Level Master BIN, Politecnico di Milano, Dip. ABC 2018

Director of the II Level Master in Management dei Beni e delle Istituzioni Culturali, MIP-Politecnico di Milano - 2019

Politecnico di Milano - School of Specialization in Restoration of Monuments and PhD School – various courses

#### NATIONAL AND INTERNATIONAL ACKNOWLEDGMENTS

2008. Appointed for Review of the Natural Materials in Environmental Science and Cultural Conservation research school (October 2008). The graduate school NMK is a co-operation between Göteborg University and Chalmers University of Technology in Göteborg, the University College in Dalarna, the University College on Gotland, the Knowledge Foundation in Sweden and a number of enterprises. Its purpose is to carry out a program of interdisciplinary postgraduate training within the fields of inorganic construction materials in environmental science and cultural conservation. The Commission included Prof. Dr. Dipl.ing. Wolfgang Kippes, Prof. Stefano Della Torre, Dr. Björn Lagerblad, Prof. Anders Lagerkvist.

2012. Appointed by ANVUR as representative of SSD ICAR/19 (Restauro) in the Group of Experts in Evaluation, Area 08, for the Italian University VQR 2004-2010 procedure.

2012 - ongoing - Coordinator of the Research Commission in the Academic Senate of Politecnico di Milano.

2012 - ongoing - President of buildingSMART Italia

2014. President of the Organizing Committee of International Conference: Preventive and Planned Conservation Conference 2014 (Monza and Mantua)

2016. Appointed as Member of the Commission art. 23, comma 13 d.lgs. n. 50/2016 for the implementation of BIM in Public works, set by DM n. 242, 15th July 2016, by the Minister of Infrastructure.

2017. Appointed by the Italian Minister of Culture as a Member of the Working Group for the implementation of the comma 5 of D.Lgs 42/2004.

#### SELECTED SCIENTIFIC PUBLICATIONS

1. D. Oreni, S. Della Torre, R. Brumana, F. Banfi (2017). Disegno e modellazione parametrica per la conservazione di un edificio monumentale danneggiato da un evento sismico. Dal rilievo al cantiere.. ANANKE, vol. Speciale, p. 153-158, ISSN: 1129-8219 - **Articolo in rivista**
2. Oreni D., Brumana R., Della Torre S., Banfi F. (2017). SURVEY, HBIM AND CONSERVATION PLAN OF A MONUMENTAL BUILDING DAMAGED BY EARTHQUAKE. THE INTERNATIONAL ARCHIVES OF THE PHOTOGRAMMETRY, REMOTE SENSING AND SPATIAL INFORMATION SCIENCES, vol. XLII-5, p. 337-342, ISSN: 1682-1777, doi: 10.5194/isprs-archives-XLII-5-W1-337-2017 - **Articolo in rivista**
3. Stefano Della Torre, Claudio Mirarchi, Alberto Pavan (2017). Il BIM per la conservazione rappresentare e gestire la conoscenza. ANANKE, vol. 80, p. 108-115, ISSN: 1129-8219 - **Articolo in rivista**
4. Della Torre Stefano (2015). Lezioni imparate sul campo dei distretti culturali. IL CAPITALE CULTURALE, vol. Supplementi 03, p. 61-73, ISSN: 2039-2362 - **Articolo in rivista**
5. Stefano Della Torre (2014). La programmazione degli interventi: qualità, modello di gestione, riconoscimento delle esternalità positive. MATERIALI E STRUTTURE, vol. NS II, p. 107-117, ISSN: 1121-2373 - **Articolo in rivista**
6. S. DELLA TORRE, P. PETRAROIA (2008). Norme e pratiche senza sistema. ECONOMIA DELLA CULTURA, vol. 2, p. 161-172, ISSN: 1122-7885 - **Articolo in rivista**
7. Di Giuda, Giuseppe Martino, Quaquero, Emanuela, Villa, Valentina, Tagliabue, Lavinia Chiara, Desogus Giuseppe, Sanna, Antonello, Ciribini, Luigi Angelo Camillo, Della Torre, Stefano (2017). Workflow BIM per la gestione e la valorizzazione dell'architettura moderna. Il Padiglione Mandolesi dell'Università degli Studi di Cagliari. BIM workflow for the management and enhancement of modern architecture. The "Mandolesi Pavillon" at the University of Cagliari. In:

Colloqui.AT.e 2017 - Demolition or Reconstruction?. p. 1196-1207, Monfalcone (Gorizia) - **Contributo in Atti di convegno**

8. S. Della Torre (2017). Un bilancio del progetto BHIMM. In: Modellazione e gestione delle informazioni per il patrimonio edilizio esistente. p. 10-16, INGENIO, ISBN: 978-88-98720-17-0, Milano - **Contributo in Atti di convegno**

9. Della Torre Stefano (2016). 3. Planned preventive conservation and the structural performances of buildings. In: Structural Analysis of Historical Constructions – Anamnesis, diagnosis, therapy, controls. p. 147-150, London:Taylor & Francis Group, ISBN: 978-1-138-02951-4, Leuven - **Contributo in Atti di convegno**

10. Vandesande Aziliz, Van Balen Koen, Della Torre Stefano, Moiola Rossella (2015). A Preventive and Planned Conservation Strategy Aimed at Sustainable Development. In: Heritage and Landscape as Human Values - Conference Proceedings. p. 480-484, ISBN: 9788849530575, Florence, November 9th-14th, 2014 - **Contributo in Atti di convegno**

11. Benatti Elvio, Borgarino Maria Paola, Della Torre Stefano (2014). Planet Beni Architetonici. Uno strumento per la conservazione programmata del patrimonio storico-architettonico. In: ICT per il miglioramento del processo conservativo. Proceedings of the International Conference "Preventive and Planned Conservation". p. 13-29,

FIRENZE:Nardini, ISBN: 9788840403182, Monza e Mantova, 5-9 maggio 2014 - **Contributo in Atti di convegno**

12. Stefano Della Torre (2014). Oltre il Restauro, oltre la Manutenzione. In: La strategia della Conservazione programmata Dalla progettazione delle attività alla valutazione degli impatti. p. 1-10, FIRENZE:Nardini, ISBN: 9788840403144, Monza e Mantova, 5-9 maggio 2014 - **Contributo in Atti di convegno**

13. Della Torre Stefano (2015). Heritage Impact: Looking for Models to understand the Impact of Externalities. In: (a cura di): Koenraad Van Balen and Aziliz Vandesande, Heritage counts. p. 23-30, Antwerp – Apeldoorn:Garant, ISBN: 978-90-441-3330-1 - **Contributo in volume (Capitolo o Saggio)**

14. Della Torre Stefano (2015). Shaping Tools for Built Heritage Conservation: from Architectural Design to Program and Management. Learning from 'Distretti culturali'. In: (a cura di): K. Van Balen and A. Vandesande, Community Involvement in Heritage. p. 93-102, Antwerp – Apeldoorn:Garant, ISBN: 978-90-441-3263-2 - **Contributo in volume (Capitolo o Saggio)**

15. Stefano Della Torre (2013). Dall'equilibrio al divenire. Strumenti e tecniche per il coordinamento e la programmazione delle attività conservative. In: (a cura di): Stefano F. Musso, Tecniche di restauro. Aggiornamento. p. 303-317, TORINO:Casa Editrice UTET, ISBN: 9788859808152 - **Contributo in volume (Capitolo o Saggio)**

16. Stefano Della Torre (2013). Planned Conservation and Local Development Processes: the Key Role of Intellectual Capital. In: (a cura di): Koenraad Van Balen, Aziliz Vandesande, Reflections on Preventive Conservation, Maintenance and Monitoring. p. 123-127, LEUVEN: ACCO, ISBN: 9789033493423 - **Contributo in volume (Capitolo o Saggio)**

17. Stefania Della Torre (2013). Una strategia di valorizzazione dei beni e della attività culturali. In: (a cura di): G.P. Barbetta M. Cammelli S. Della Torre, Distretti culturali dalla teoria alla pratica. p. 67-88, Bologna:Edizioni Il Mulino, ISBN: 9788815239617 - **Contributo in volume (Capitolo o Saggio)**

18. S. Della Torre (2010). Conservation of built cultural heritage, laws enabling preventive approach: the case of Italy. In: Mitja Gustin;Terje Nypan. (a cura di): M. Gustin;T. Nypan, Cultural Heritage and legal Aspects in Europe. p. 168-178, Koper:Annales Mediterranea, ISBN: 9789616328807 - **Contributo in volume (Capitolo o Saggio)**

19. S. Della Torre (2010). Economics of Planned Conservation. In: Mikko Mälkki; Kaisa Schmidt-Thomé. Integrating Aims. Built Heritage in Social and Economic Development. p. 141-156, Helsinki:Helsinki University of Technology, Centre for Urban and Regional Studies Publications, ISBN: 9789526032849 - **Contributo in volume (Capitolo o Saggio)**

20. S. Della Torre (2010). Preventiva, integrata, programmata: le logiche coevolutive della conservazione. In: Guido Biscontin, Guido Driussi. Pensare la prevenzione. Manufatti, usi, ambienti. p. 67-76, VENEZIA: Arcadia Ricerche, ISBN: 9788895409146 - **Contributo in volume (Capitolo o Saggio)**