

Davide Del Curto

Associate Professor of Architectural Preservation
 POLITECNICO DI MILANO, Dept. of Architecture and Urban Studies
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(a) Education

1996-2001 M.Sc Architecture
 2002-2005 Ph.D Preservation of Architectural Heritage

(b) Appointments at Politecnico di Milano

2019 - National scientific qualification to function as full professor
 2017 - Associate Professor of Architectural Conservation
 2012 - 2016 Assistant Professor of Architectural Conservation
 2011 - 2016 Visiting professor at Uppsala University (Sweden)
 2005 - 2012 Research assistant

(c) Research topics

Contemporary theory of conservation
 Sustainable heritage, energy efficiency in historic buildings
 Preventive conservation, indoor climate and museums
 Preservation of 20th-century architecture
 Alpine Architecture

(d) Teaching Subjects

Architectural Preservation Studio (M.sc)
 Museology, art and restoration criticism (M.sc)
 Preserving 20th century heritage (Graduate School)

(e) Mentoring

Post-graduate these: 3 students graduated by 2019, 2 students to graduate in 2019
 M.Sc theses: 48 students graduated by 2019, 2 students to graduate in 2020

(f) Languages

Italian mother tongue
 English fluent
 French, Spanish basic

(g) Restoration projects of heritage buildings (selection)

2016 Cavalleggero Palace, Sabbioneta (16th c). Restoration design (1.0 M€)**
 2015 Visconteo Castle and farmhouse, Binasco (16th c). Restoration design (3.9 M€)
 2014 Cascina Rosa farmhouse, Milano (17th c). Restoration design (1.0 M€)
 2013 Museum of TB sanatoriums, Sondalo (20th c). Restoration and furniture design (1.0 M€)
 2010 S. Andrew Co-cathedral, Mantua (16-18th c). Preservation design, with A. Grimoldi (3.5 M€)**

(h) Conservation plans, guidelines (selection)

2018- National art Schools of Havana (20th c). Conservation management plan
 2016 University "Collegi", Urbino (20th c). Conservation management plan*
 2015 Sabbioneta fortified town (16th c). Urban preservation guidelines, task "city walls" **
 2011 Roman Amphitheatre, Verona (1st c). Preventive conservation guidelines, task "moisture" ***
 2010 Royal Villa, Milan (18th C). Preventive conservation guidelines, task "indoor climate"

UNESCO WHS *City of Urbino, **Mantua-Sabbioneta, ***City of Verona

(i) Synergistic Activities

- 2014- Co-founder and member of the board of the Climate and Energy for Cultural Heritage (C.E.C.H.) Laboratory
- 2015- Scientific advisor of Assorestauro, the Italian Association for Architectural, Artistic and Urban Restoration
- 2015- Member of the Italian Society for the Restoration of Architecture
- 2017- Editor in chief of the editorial series "Sustainable heritage", Mimesis publisher
- 2017- Referee for the scientific reviews in the field of heritage conservation: "Journal of Cultural Heritage Management and Sustainable Development", "Materiali e Strutture", "Esempi di Architettura"
- 2018- Corresponding editor for "ArchAlp" architectural review
- 2018- Member of the scientific committee of F.A.I. - Fondo Ambiente Italiano, the National Trust of Italy for the project "Italia sopra i 1000 metri"
- 2018- Member of the scientific committee of Società Economica Valtellinese

(j) Fellowships and Awards

- 2006 Highly commended entry. "W.I.S.P.HER - Wireless Sensors for the Preservation of HERitage" (with F. Raimondi, University College London). SENTINEL FUTURE COMPETITION – Embedded WiSeNts Coordination Action / Deutsche Telekom Laboratories of the Deutsche Telekom AG.
- 2015 Project grant. "Conserving Modern Heritage, Giancarlo De Carlo's Urbino University Colleges" (with University of Urbino and others). KEEPING IT MODERN program 2015, The Getty Foundation
- 2015 Gold Medal. Restoration design of the former gatehouse of the sanatorium village in Sondalo, (with G. Menini). INTERNATIONAL AWARD DOMUS - Restoration and Conservation, V Edition
- 2016 Mention for the project "Bovisa connection. Tasselli urbani per scenari resilienti" (with A. Arcidiacono and others). Call for IDEAS "Un parco per la ricerca e il lavoro a Bovisa Gasometri". Politecnico di Milano / Comune di Milano
- 2018 Special award "Ancient and new". Il restauro è morto? Viva il restauro! Contemporary issues in building conservation. Literary award "La Calcina - John Ruskin", I edition / 2018
- 2018 Project grant. "Conserving Modern Heritage, The National Art Schools of Havana" (with Princeton University and others). KEEPING IT MODERN program 2018, The Getty Foundation

(k) Patents

- 2016 D. Del Curto, L. Valisi, A. Luciani, System and method for detecting an environmental quantity and mapping its distribution in an environment, patent n. 102016000051840, 19.5.2016
- 2016 D. Del Curto, L. Valisi, A. Luciani, D. Camuffo, A. Parravicini, C. Bertolin, Electronic device for detecting an environmental quantity, patent n. 202016000051842, 19.5.2016

(l) Publications (selection)

2 books, 20 book chapters, more than 20 journal papers, more than 50 conference papers

1. D. Del Curto, **Keeping it modern. Il Piano di Conservazione e Gestione per l'architettura del Ventesimo secolo**, in *Restauro: Conoscenza, Progetto, Cantiere, Gestione Coordinamento* di Stefano Francesco Musso e Marco Pretelli, sezione 2 - Programmazione e finanziamenti (a cura di S. Della Torre, A. M. Oteri), Roma, Edizioni Quasar - Società Italiana per il Restauro dell'Architettura (SIRA) 2020, eISBN 978-88-5491-016-4, pp. 333-343
2. D. Del Curto, C. Stanga, **When preservation meets a 20th-century building with curtain wall. The case of the Torre Galfa in Milan**, ARCHISTOR 12/2019, pp. 252 – 285, ISSN: 2384-8898, 10.14633/AHR140
3. M. Borgarino, M. Mazzolani, A. Troisi, D. Del Curto, N. Bazzoli, A. Sansonetti, **I Collegi di Giancarlo De Carlo a Urbino. Piano di Conservazione e Gestione**, Mimesis Edizioni, Milano-Udine 2019, ISBN 9788857558028
4. Del Curto, D., Garzulino, A., Allegretti, F., and Mazza, S.: **GIS or BIM? A comparison applied to the conservation management plan of a 20th century architectural heritage**, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-2/W15, 365–372, <https://doi.org/10.5194/isprs-archives-XLII-2-W15-365-2019>, 2019

5. D. Del Curto, A. Luciani, **Towards a resilient perspective in building preservation**, in «Journal of Cultural Heritage Management and Sustainable Development» (accepted 02-Feb-2018) ISSN: 2044 – 1266
6. D. Del Curto, **Neuroscience and preservation. How digital technology has been changing the experience (and the way we take care) of heritage**, D. Iacobone and O. Niglio (eds), Architecture and Neuroscience, E.D.A - Esempi Di Architettura. Architecture and Neuroscience, Vol.4, n.2, 2017, pp. 71-78, ISSN: 2384-9576, ISBN: 978-88-255-0872-7
7. D. Del Curto, C. Joppolo, A. Luciani, L. Valisi, M Bellebono, **Keeping it modern, making it sustainable**. Monitoring and energy retrofitting the Collegi by Giancarlo De Carlo in Urbino, «Energy Procedia» Issue 133(2017) pp. 243-256, ISSN 1876-6102
8. D. Del Curto, **Assessing the value of a UNESCO fortified town. Preservation, management, valorization through the 20th Century**, in A. Aveta, B.G. Marino, R. Amore (eds), La Baia di Napoli. Strategie integrate per la conservazione e la fruizione del paesaggio culturale, Artstudiopaparo, Napoli 2017, pp. 337-340, ISBN 978 88 99130 688 ISSN 2421 034X
9. D. Del Curto, **Architecture in the Alps. Heritage, design, local development**, in D. Del Curto, R. Dini, G. Menini (edited by), Architecture in the Alps. Heritage and design, Mimesis Edizioni, Milano-Udine 2017, pp. 9-18, ISBN 9788857542522
10. D. Del Curto, **The disenchanted mountain's Heritage. Protection and reuse of sanatoriums in the Alps**, in D. Del Curto, R. Dini, G. Menini (eds), Architecture in the Alps. Heritage and design, Mimesis Edizioni, Milano-Udine 2017, pp. 138-163, ISBN 9788857542522
11. D. Del Curto, A. Luciani, C. Manfredi, L. Valisi, **The case of Italy: Energy efficiency and preservation. Two challenges for Temperierung**, in Die Temperierung. Beiträge zum aktuellen Forschungsstand, Schriftenreihe des Bayerischen Landesamtes für Denkmalpflege n. 8, Volk Verlag, München 2014, pp. 82-92 ISBN 978-3-86222-144-8
12. C. Bertolin, A. Luciani, L. Valisi, D. Camuffo, A. Landi, D. Del Curto, **Laboratory tests for the evaluation of the heat distribution efficiency of the Friendly-Heating heaters**, in Energy and Buildings, Volume 107, 15 November 2015, pp. 319–328, ISSN: 0378-7788
13. D. Del Curto, A. Grimoldi, A. Landi, C. Manfredi, L. Valisi, **From rest/cons to en/eff: indoor environment and building preservation**, in proceedings of the international conference Built Heritage 2013 - Monitoring Conservation Management, Milan 18–20 November 2013, pp. 1235 – 1243, ISBN 9788890896101
14. D. Del Curto, **Materials and Techniques of the Pre-Industrial Building Sites of Cremona: an exercise in architectural archaeology on the façade of Palazzo Magio Grasselli**, in (edited by A. Landi) Patricians, notables, construction of the city. Building and preservation of Palazzo Magio Grasselli in Cremona, Torino Allemandi 2011, pp. 153-172, ISBN 978-88-422-2138-8
15. D. Del Curto, **Buildings climate and cultural heritage preservation. Instruments and models of investigation, in Historical buildings as museums**. Systems for climate control and heritage preservation / Edifici storici e destinazione museale. Sistemi per il controllo del clima e la conservazione (edited by D. Del Curto), Quaderni Kermes, Nardini Editore, Firenze 2010, ISBN: 978-88-404-4286-3

(m) Websites

www.polimi.academia.edu/davidedelcurto

www.mimesisedizioni.it/libri/architettura-urbanistica/sustainable-heritage.html

www.keeping-isa-modern.com

www.collegi-decarlo.com

www.museodeisanatori.com