

Davide Del Curto

Associate Professor of Architectural Conservation
Politecnico di Milano, Dept. of Architecture and Urban Studies

(a) Education

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

(b) Appointments at Politecnico di Milano

2017 - Present 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
Preventive conservation / Indoor climate and museums
Building analysis and diagnostics
Sustainable heritage and energy efficiency
Preservation of 20th century architecture

(d) Teaching Subjects

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

(e) Mentoring

Graduate theses, 3 students to graduate in 2018
M.Sc theses: 39 students graduated by 2017, 3 students to graduate in 2018
B.Sc theses: 5 students graduated by 2017, 1 student to graduate in 2018

(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 (0.5M€)
2015 Visconteo Castle and farmhouse, Binasco (16th c.). Restoration design (3.9M€)
2014 Cascina Rosa farmhouse, Milano (17th c.). Restoration design (0.6M€)
2013 Museum of TB sanatoriums, Sondalo (20th c.). Restoration and furniture design (0.5M€)
2010* S. Andrew Co-cathedral, Mantua (16-18th c.). Preservation design, with A. Grimoldi (3.0M€)

(h) Conservation plans, guidelines (selection)

2016 University "Collegi", Urbino (20th c.). Conservation plan, task "energy and sustainability"
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 Mantua-Sabbioneta ** UNESCO WHS City of Verona

(i) Synergistic Activities

- 2014 – present Co-founder and member of the board of the Climate and Energy for Cultural Heritage (C.E.C.H.) Laboratory
- 2015 – present Scientific advisor of Assorestaura, the Italian Association for Architectural, Artistic and Urban Restoration

(j) Fellowships and Awards

- 2015 – present member and co-founder of the Italian Society for the Restoration of Architecture.
- 2006 Highly commended entry. “W.I.S.P.HER - WIreless Sensors for the Preservation of HERitage” (with F. Raimondi, University College London). SENTINENT 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. 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

(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)

1 book, 15 book chapters, more than 20 journal papers, more than 40 conference papers

1. 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
2. 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
3. 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
4. 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
5. 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

6. D. Del Curto, **The disenchanting 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
7. D. Del Curto, **Il restauro è morto? Viva il restauro! Contemporary issues in building conservation**, in RICerca/REStauRO (editor D. Fiorani), sezione 1A - Questioni teoriche: inquadramento generale (editor S. Musso), Roma, Società Scientifica Italia per il Restauro dell'Architettura / Edizioni Quasar, 2017, pp. 75-81, ISBN 9788871407647
8. 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
9. M. Legnér, D. Del Curto, K. Balksten, **Valorization and management of the built heritage of fortified towns: The cases of the UNESCO World Heritage Sites of Sabbioneta, Italy, and Visby, Sweden**, in (edited by) Ulrika Mebus, Kristin Balksten, Visby ringmur – kulturarv som rasar och återuppbyggs, Stockholm, FoU-publikation från Riksantikvarieämbetet 2015, pp. 211-220, ISBN 9789172097063
10. D. Del Curto, **Conservare l'architettura del XX secolo. Esperienze di tutela e riuso al Villaggio di Sondalo**, in (eds) L. Bonesio, D. Del Curto, G. Menini, Una questione di paesaggio. Il Villaggio Morelli e la Valtellina, Mimesis Edizioni, Milano – Udine 2014, pp. 85-111, ISBN 9788857525556
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. 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
13. 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
14. D. Del Curto, L. Balboni, P. Corradini, L. Valisi, **Historical analysis and structural monitoring. Cases – studies for an integrated approach**, in Structural Analysis of Historic Constructions, Strengthening and Retrofitting (eds Xianglin Gu and Xiaobin Song), Advanced Materials Research, vol. 133 – 134, Trans Tech Publications, Stafa-Zurich 2010, pp. 247-253, ISBN: 978-0-87849-239-8
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