

# Curriculum



Nome Name:	Tommaso
Cognome Surname:	D'Antino

ORCID:	n.d.
Scopus Author ID:	57211979514
WOS Author ID:	n.d.
Sito WEB WEB site:	n.d.

## **POSIZIONE PROFESSIONALE ATTUALE / CURRENT PROFESSIONAL POSITION:**

Posizione attuale Current position:	In servizio
Qualifica Qualification:	Professore Associato (L. 240/10)
Ateneo/Ente/Azienda University/Institution/Company:	Politecnico di MILANO
Nazione Ateneo/Ente/Azienda University/Institution/Company Country:	ITA
Anno inizio Start Year:	2021
Anno fine End Year:	n.d.

## **PRECEDENTI ESPERIENZE LAVORATIVE (ULTIMI 10 ANNI) / PREVIOUS WORK EXPERIENCE ( LAST 10 YEARS):**

### **LINGUE / LANGUAGES:**

Lingua Language:	Inglese
Scrittura Writing:	C1
Comunicazione Communication:	C1

## **AREA/SETTORE SCIENTIFICO-DISCIPLINARE / AREA/SECTOR SCIENTIFIC-DISCIPLINARY**

Area scientifico-disciplinare Area scientific-disciplinary:	Ingegneria civile e Architettura
Area scientifico-disciplinare codice Area scientific-disciplinary code:	08
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-Tecnica delle costruzioni
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-CEAR-07/A

## **DESCRIZIONE DEI PRINCIPALI RISULTATI SCIENTIFICI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 PUBBLICAZIONI) / DESCRIPTION OF THE MAIN SCIENTIFIC RESULTS ACHIEVED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 PUBLICATIONS):**

Descrizione Description:	<p><i>The candidate has been carrying out research in the following main topics: A. Study of the bond behavior between organic- (FRP) and inorganic-matrix (FRCM/TRM) composites and concrete and masonry substrates: A1. Experimental investigations A2. Analytical and numerical modeling B. Tensile behavior of inorganic-matrix composites (FRCM/TRM) C. Experimental, analytical, and numerical investigations of RC beams strengthened in shear with organic- (FRP) and inorganic-matrix composites (FRCM/TRM) D. Design formulas for flexural and shear strength contributions of FRP and FRCM/TRM externally bonded reinforcements to RC and masonry members E. Fatigue behavior of FRP/FRCM composites and composite-strengthened steel and concrete members F. Mechanical, durability, and long-term (creep) behavior of FRP reinforcing bars and FRP-reinforced concrete members G. Experimental, analytical, and numerical investigation of the mechanical behavior of masonry members strengthened with FRCM and composite reinforced mortar (CRM) systems Durability of organic- (FRP) and inorganic-matrix (FRCM/TRM) composites as stand-alone materials and strengthening of existing masonry and concrete members</i></p>
-----------------------------	---

## PUBBLICAZIONI / PUBLICATIONS:

Anno della pubblicazione Year of publication:	2016
Citazione Citation:	D'ANTINO, TOMMASO, Triantafillou, Thanasis C. (2016). Accuracy of design-oriented formulations for evaluating the flexural and shear capacities of FRP-strengthened RC beams. STRUCTURAL CONCRETE, vol. 17, p. 425-442, ISSN: 1464-4177, doi: 10.1002/suco.201500066

Anno della pubblicazione Year of publication:	2017
Citazione Citation:	Gonzalez-Libreros, J. H., Sneed, L. H., D'Antino, T., Pellegrino, C. (2017). Behavior of RC beams strengthened in shear with FRP and FRCM composites. ENGINEERING STRUCTURES, vol. 150, p. 830-842, ISSN: 0141-0296, doi: 10.1016/j.engstruct.2017.07.084

**DESCRIZIONE DEI PRINCIPALI PROGETTI DI RICERCA E PREMI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PRINCIPAL INVESTIGATOR O COORDINATORE LOCALE DI PROGETTI DI RICERCA COMPETITIVI NAZIONALI O INTERNAZIONALI, SIGNIFICATIVI PREMI CONSEGUITI PER LA PROPRIA ATTIVITÀ DI RICERCA)/ DESCRIPTION OF THE MAIN RESEARCH PROJECTS AND AWARDS AWARDED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 ACHIEVEMENTS, INCLUDING, FOR EXAMPLE, PRINCIPAL INVESTIGATOR OR LOCAL COORDINATOR OF NATIONAL OR INTERNATIONAL COMPETITIVE RESEARCH PROJECTS, SIGNIFICANT AWARDS AWARDED FOR YOUR RESEARCH ACTIVITY):**

Descrizione Description:	<p>1. D'Antino T, Triantafillou TT, Pellegrino C (2014). <i>Analysis of the structural behavior of different fiber reinforced inorganic composites (TRM/FRCM), Present and Future of FRP in Construction Poster Competition, Kaiserslautern, Germany, 23rd October 2014.</i></p> <p>2. D'Antino T (2018). <i>Outstanding reviewer for the Journal of Composites for Construction, American Society of Civil Engineering (ASCE).</i> <a href="https://ascelibrary.org/journal/jccof2">https://ascelibrary.org/journal/jccof2</a></p> <p>3. D'Antino T (2019). <i>Outstanding young engineer contribution award. For the contribution Durability of glass reinforcing bars: A state of the art, presented at the IABSE Symposium Guimaraes 2019, Towards a resilient built environment - Risk and asset management, March 27-29, Guimaraes, Portugal.</i> <a href="https://www.iabse.org/IABSE/association/YEP_files/YEP_Awards.aspx">https://www.iabse.org/IABSE/association/YEP_files/YEP_Awards.aspx</a></p>
-----------------------------	---

**DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SVILUPPO DI RETI E RELAZIONI SCIENTIFICHE NAZIONALI E INTERNAZIONALI (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PARTECIPAZIONE O ORGANIZZAZIONE DI CONVEGNI NAZIONALI E INTERNAZIONALI; CONTRIBUTI A CONSORZI DI RICERCA) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF DEVELOPMENT OF NATIONAL AND INTERNATIONAL SCIENTIFIC NETWORKS AND RELATIONS (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, PARTICIPATION OR ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES; CONTRIBUTIONS TO RESEARCH CONSORTIA):**

<p>Descrizione Description:</p>	<p><i>The candidate is author of more than 50 conference papers presented in the last 10 years. Organizzazione di mini-simposi 1. Mini-symposium chair: Chen G, D'Antino T (2017). Special Session 3: Shear Behaviour and Strength of RC Structures Strengthened/Reinforced with FRP. 6th Asia-Pacific Conference on FRP in Structures (APFIS2017), Singapore, July 19-21, 2017. <a href="http://www.apfis2017.org/dct/page/70016">http://www.apfis2017.org/dct/page/70016</a> 2. Mini-symposium chair: D'Antino T, Carloni C (2020). Advances in the investigation of the bond mechanism of FRP, FRCM, TRM, and SRG composites. 10th International conference on FRP composites in civil engineering (CICE 2020), Istanbul, December 8-10, 2021. 3. Mini-symposium chair: Carloni C, Colombi P, D'Antino T, Focacci F (2021). Open issues on the stress transfer process at the reinforcement-masonry interface. Mechanics Of Masonry Structures Strengthened with Composite Materials - Online conference, MuRiCo7, November 2021. 4. Mini-symposium chair: D'Antino T, Focacci F, Carloni C (2023). Advances in the investigation of the bond mechanism of externally bonded composites and FRP bars. 11th International Conference on Fiber Reinforced Polymer (FRP) Composites in Civil Engineering, (CICE 2023), July 23-26, 2023, Rio de Janeiro, Brazil. 5. Mini-symposium chair: Nobili A, D'Antino T, Signorini C (2023). Mechanical modeling and experimentation of inorganic matrix fiber and textile reinforced composite systems. EMI 2023 International Conference, 2023, August 27-30, Palermo, Italy. Consorzi di ricerca 1. October 2015 - Present: Consorzio della Rete dei Laboratori Universitari di Ingegneria Sismica (ReLUIS-DPC 2014-2018). PR 5 - "Materiali innovativi per interventi su costruzioni esistenti", Chairs: Prof. Marco Savoia, Prof. Luciano Feo. 2. February 2017 - Present: ACI Committee 549-0L and 549-0L Liaison "Thin Reinforced Cementitious Products and Ferrocement", Chair: Prof. Gianmarco De Felice, Secretary: Prof. Christian Carloni. 3. May 2018 - Present: Study group for the CNR Italian Guidelines for design of FRCM structural applications, Chair: Prof. Luigi Ascione.</i></p>
-------------------------------------	---

	<p>4. June 2019 – Present: Rilem Technical Committee IMC “Durability of Inorganic Matrix Composites used for Strengthening of Masonry Constructions”, Chair: Prof. Antonietta Aiello, Deputy Chair: Prof. Catherine Papanicolaou. 5. December 2019 – Present: Rilem Technical Committee MCC “Mechanical Characterization and Structural design of Textile Reinforced Concrete”, Chair: Prof. Barzin Mobasher, Deputy Chair: Dr. Flávio De Andrade Silva</p>
--	---

**DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SUPPORTO ALLA COMUNITÀ SCIENTIFICA (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, RESPONSABILITÀ DI DIREZIONE DI COMITATI EDITORIALI; INCARICHI DI VALUTAZIONE DELLA RICERCA PRESSO ISTITUZIONI NAZIONALI O INTERNAZIONALI; RESPONSABILITÀ ISTITUZIONALI ALL'INTERNO DELL'ISTITUZIONE DI APPARTENENZA O DI ALTRE ISTITUZIONI) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF SUPPORT TO THE SCIENTIFIC COMMUNITY (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, MANAGEMENT RESPONSIBILITIES OF EDITORIAL COMMITTEES; RESEARCH EVALUATION ROLES AT NATIONAL OR INTERNATIONAL INSTITUTIONS; INSTITUTIONAL RESPONSIBILITIES WITHIN THE INSTITUTION OF AFFILIATION OR OTHER INSTITUTIONS):**

<p>Descrizione Description:</p>	<p>1. May 2018 – Present: Member of the Editorial Board of the Journal of Composites for Construction, ASCE. <a href="https://ascelibrary.org/page/jccof2/editorialboard">https://ascelibrary.org/page/jccof2/editorialboard</a> 2. September 2018 – Present: Member of the Editorial Advisory Board of Structural Concrete, Journal of the fib. <a href="https://onlinelibrary.wiley.com/page/journal/17517648/homepage/2084_edbd.html">https://onlinelibrary.wiley.com/page/journal/17517648/homepage/2084_edbd.html</a> 3. September 2020 – Present: Review Editor for Structural Materials, Journal Frontiers in Materials. <a href="https://www.frontiersin.org/journals/materials/editors">https://www.frontiersin.org/journals/materials/editors</a> 4. September 2020 – Present: Review Editor for Earthquake Engineering, Journal Frontiers in Built Environment. <a href="https://www.frontiersin.org/journals/built-environment/editors">https://www.frontiersin.org/journals/built-environment/editors</a> 5. February 2020 – July 2022: Guest Editor of the Special Issue of the Journal Materials title “Bond Behavior of Externally Bonded and Internal Reinforcement”. In collaboration with Proff. Focacci (Univeristà eCampus) and Carloni (Case Western Reserve University, Cleveland). <a href="https://www.mdpi.com/journal/materials/special_issues/Bond_Behav_Extern_Bond_Intern_Reinf">https://www.mdpi.com/journal/materials/special_issues/Bond_Behav_Extern_Bond_Intern_Reinf</a> 6.</p>
-------------------------------------	---

	April 2022 - Present: Associate Editor of the <i>Journal of Composites for Construction</i> , ASCE. <a href="https://ascelibrary.org/page/jccof2/editorialboard">https://ascelibrary.org/page/jccof2/editorialboard</a>
--	---

**DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI  
ULTIMI 10 ANNI IN TERMINI VALORIZZAZIONE DELLE  
CONOSCENZE (CON ANNESSO ELENCO DI MASSIMO 3  
RISULTATI, RELATIVI ALLA PARTECIPAZIONE DEL CANDIDATO  
ALLE ATTIVITÀ DI VALORIZZAZIONE DELLE CONOSCENZE) /  
DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10  
YEARS IN TERMS OF KNOWLEDGE VALORIZATION (WITH  
ATTACHED LIST OF MAXIMUM 3 RESULTS, RELATING TO THE  
CANDIDATE'S PARTICIPATION IN KNOWLEDGE VALORIZATION  
ACTIVITIES):**

Descrizione Description:	<i>No data to declare.</i>
-----------------------------	----------------------------

**Informazioni aggiornate alla data di candidatura 05-06-2025**

**Tommaso D'Antino**

*Il presente curriculum costituisce allegato e parte integrante dell'incarico sottoscritto*