

Curriculum Scientifico

Prof.ssa Chiara Bedon

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Nata a Latisana (UD), il 20 aprile 1983

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Qualifica Professore Associato
SSD CEAR-07/A (già ICAR/09) Tecnica delle Costruzioni

Sintesi

Abilitazione Scientifica Nazionale Prima fascia 08/B3 dal 14/07/2020 (11 anni)
Seconda fascia 08/B3 dal 31/03/2017 (11 anni)
[Valori soglia MIUR da Commissario 08/B3= 19 articoli in 10 anni; 374 citazioni in 15 anni; indice H in 15 anni > 11]

Indici bibliometrici da Scopus (249 documenti) e *Google Scholar*:

Numero di citazioni=	4046	5549
H-index=	36	43 (<i>i10= 129</i>)

Docente in Tecnica delle Costruzioni (SSD CEAR-07/A, già ICAR/09), svolge attività di ricerca che principalmente riguarda l'analisi numerica avanzata ad Elementi Finiti e sperimentale di strutture in vetro e ibride, strutture in legno, composte acciaio-calcestruzzo e legno-calcestruzzo, l'analisi e ottimizzazione di sistemi strutturali in condizioni di carico eccezionali (esplosioni, sisma, fuoco, vento), strutture innovative. Docente per Master CINEAS (PoliMI) nel 2021 e 2022 (singolo modulo), per corsi di Dottorato accreditati dal Ministero e per corsi di aggiornamento professionale. Dal 2014, commissario aggregato per Esami di Stato. Da gennaio 2023, Collaboratore del Referente per la qualità (AQ) del DIA-UniTS - Ufficio di Direzione. Relatore / Correlatore di tesi di Laurea (31) in Ingegneria Civile / Architettura.

Dal 2021, componente del Consiglio di Dottorato in Ingegneria Civile, Ambientale e Architettura (DICAA) dell'Università di Trieste – Interateneo Università di Udine (XXXVII ciclo), e (dal XXXVIII ciclo) componente del Collegio. Supervisore / Co-Supervisore di varie tesi di Dottorato (10), per alcune delle quali è stato ottenuto finanziamento di borse su base competitiva (PNRR DM 351; PO FVG Fondo Sociale Europeo – FSE 2014/2020; MIT Portugal MPP2030-FCT PhD Program; Portuguese Foundation for Sciences and Technology). Componente di commissioni di valutazione per RTD, assegni di ricerca, borse di ricerca (UniTS e altre). Coordinatore locale per accordi Erasmus (3). PhD external examiner per tesi di dottorato presso varie università estere (Australia, India, Regno Unito, Croazia,...).

Con più di 180 co-autori, partecipa alla stesura di (oltre 300) pubblicazioni in riviste internazionali, atti di convegno e capitoli di libro, documenti tecnici e linee guida. Tra questi, CNR DT-210/2013 *"Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Costruzioni con Elementi Strutturali di Vetro"* e CNR DT-206-R1/2018 *"Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Costruzioni con Elementi Strutturali in Legno"*. Dal 2022 contribuisce come co-autore alla stesura della normativa Americana ASTM WK80563 - *New Guide for Effective Thickness Determination of Laminated Glass Performance* (in corso). Da 2022 fa parte del gruppo di lavoro incaricato della stesura *"Guidelines for FE based design of timber structures"* (coordinatore Prof. Dr.-Ing. Ulrike Kuhlmann).

Da novembre 2022, è componente del Consiglio Scientifico del CRIACIV (Centro di Ricerca Interuniversitario di Aerodinamica delle Costruzioni e Ingegneria del Vento).

Dal 2010, è relatore su invito e/o Keynote a conferenze internazionali e nazionali, e Advisory Committee Member o Session Chair per Conferenze e Workshop Internazionali. Dal 2010 svolge attività come revisore, editorial board member, associate editor e lead guest editor per numerose riviste internazionali ISI e/o open access.

Ricerca

Dal 2014, è beneficiaria come PI di finanziamenti per ricerca (1,7 k€ complessivi) ottenuti da bandi con assegnazione su base competitiva, o da consulenze scientifiche Conto Terzi, o da consulenze scientifiche Intramoenia, tra cui PO FSE 2007/2013 Regione Sardegna (70 k€); FFABR2017 – fondo per finanziamento attività di ricerca di base per ricercatori produttivi; e inoltre finanziamenti (UniTS) FRA2016 (INVERSE); FRA2020 (MULTIWALL); MICROGRANTS 2020 Regione FVG (SHARBAR), FRA2022 (9 k€ per attrezzatura scientifica), MICROGRANTS 2022 Regione FVG (ComBioDyn).

È inoltre PI di consulenza scientifica per EU-Joint Research Centre (JRC), Ispra (NEARWIN, 13.5 k€; ShaTTER, 11.3 k€). Sempre con EU-JRC è stata responsabile scientifico per progetto GLASS-SHARD (Programma FSE2014/2020 Regione FVG per mobilità presso JRC, 31 k€), in collaborazione con Directorate for Space, Security & Migration - Safety and Security of Buildings Unit.

È stata anche Project member / advisory board ("ore uomo") per progetti internazionali finanziati su base competitiva (per un valore complessivo di oltre 2,500 k€), tra cui:

- "HRZZ-ARES" (Gen 2020 – Nov 2024) Project Leader: Dr. M. Stepinac, University of Zagreb (Croatia)
Progetto: "ARES - Assessment and rehabilitation of existing structures - Development of contemporary methods for masonry and timber structures" - Budget: 2 mln EUR

Attualmente:

- Da marzo 2024, è PI per il progetto "HOPgLAZ - Holistic post-breakage characterization for optimized safe design of glass under multi-hazard" (60 mesi), finanziato da Ministero dell'Università e Ricerca – Fondo Italiano per la Scienza (FIS21, budget di 911 k€).
- Da gennaio 2024, è PI per il progetto di Grande Rilevanza "3FiRES - Research on BIPV Photovoltaic Facades for Fire Spread Mechanisms, Structural Failures and Resilience Improvement Methodologies" (275 k€ per l'unità, 24 mesi – Area di ricerca: Green Energy related research) finanziato nel contesto del programma di cooperazione scientifica tra Italia (Ministero degli Affari Esteri e della Cooperazione Internazionale) e Cina (Ministero della Scienza e della Tecnologia), in collaborazione con la University of Science and Technology of China – State Key Laboratory of Fire Science (University of Science and Technology of China - USTC Hefei).
- Da luglio 2024 è PI per il progetto di Grande Rilevanza "CoReng - Conservation of the Religions Complex in Old Cairo through the integration of geosciences and earthquake engineering" (200 k€ per l'unità, 30 mesi – Area di ricerca: New Technologies applied to Cultural and Natural Heritage) di finanziato nel contesto del programma di cooperazione scientifica tra Italia (Ministero degli Affari Esteri e della Cooperazione Internazionale) ed Egitto (Ministry of Scientific Research of Egypt), in collaborazione con NRIAG (National Research Institute of Astronomy and Geophysics).
- Da gennaio 2025 è partner di "KNIGHT- Knowledge-base for Nile Geo-Hazards Tackling" (149 k€ complessivi, 24 mesi), Progetto Quadro coordinato da OGS-National Institute of Oceanography and Applied Geophysics, e co-finanziato dalla Regione FVG (Legge regionale 30 ottobre 2000, n.19, bando 2024).

Dal 2012, partecipa come delegato nazionale e/o componente del direttivo a diversi progetti EU-COST Action beneficiari di finanziamento quadriennale HORIZON 2020 (su base competitiva). Nel 2020, è co-autore (secondary proposer) e delegato nazionale del progetto CA20139 (2021-25).

Partecipa a diversi progetti beneficiari di finanziamento NATO "Science for Peace and Security" (SPS) Programme (su base competitiva). Nel 2018 è committee member & key invited speaker all'Advanced Research Workshop (ARW) "Soft Target Protection" (Prague, CZ) e all'Advanced Training Course (ATC) "Critical infrastructure protection - Best practices and innovative methods of protection" (Universiapolis, Agadir). Nel 2022 è invited speaker all'ATC "G5816 - Monitoring and Protection of Critical Infrastructure by Unmanned Systems" nel programma "Emerging Security Challenges Division" (Chisinau, Moldova).

Dal 2012, su invito, è delegato nazionale, task group leader e/o working group expert e/o componente del direttivo in vari progetti di ricerca e network internazionali, tra cui:

- EU-JRC (Joint Research Centre) - ERNCIP Network (European Reference Network for Critical Infrastructure Protection) - *expert member* (dal 2015), <https://erncip-project.jrc.ec.europa.eu/>
- IAPS "International Association of Protective Structures" - *expert member* (dal 2017)
- EU-COST Action CA21155 "Advanced Composites under High STRAin rATes loading: a route to certification-by-analysis (HISTRATE)" – *working group member* (2023-2026)
- EU-COST Action CA20139 "Holistic design of taller timber buildings (HELEN)" – co-autore del progetto finanziato (secondary proposer), *delegato nazionale (Management Committee), componente del direttivo (Core Group), WG2 leader* (2021-25)
- EU-COST Action CA18120 "Reliable roadmap for certification of bonded primary structures (CertBond)" - *delegato nazionale (Management Committee), Core Group, Training School manager, working group member* (2019-2023)
- EU-COST Action CA17107 "European Network to connect research and innovation efforts on advanced Smart Textiles (CONTEXT)" - *delegato nazionale (Management Committee) e working group member* (2018-2022)
- EU-COST Action FP1404 "Fire safe use of bio-based building products" - *delegato nazionale (Management Committee) e working group member* (2016-2018)
- EU-COST Action TU1403 "Adaptive Facades Network" - *delegato nazionale (Management Committee), working group member, task group leader* (2014-2018)

- EU-COST Action TU0905 "Structural Glass: Novel design methods and next generation products" - *working group member, task leader* (2012-2014)
- NAFEMS Italy "International Association for the Engineering Modelling, Analysis and Simulation Community" - *Steering Committee member* (dal 2018)

Revisore (expert Evaluator) per Commissione Europea (HORIZON), ERC Starting Grant remote referee per European Research Council Executive Agency (PE8 panel), Project Monitoring Expert per European Research Executive Agency (REA). Revisore ANVUR per campagna VQR 2015-19, revisore MIUR-REPRIS (dal 2018). Expert member per FWO Review College (2023-25, Science and Technology (W&T9 Fellowship panel), BE).

Dal 2015, valutatore di progetti per vari Enti, tra cui: MIUR – Premio Giovani Ricercatori "Rita Levi Montalcini", SHP - Serra Hünter Programme (Catalunya, ES), AGAUR (Catalunya, ES), FWO (Research Foundation Flanders, BE), SNSF (Swiss National Science Foundation, CH), APVV (Slovak Research and Development Agency, SK), ISF (Israel Science Foundation, ISR), NCN-National Science Centre (P), CONICYT (Chilean National Commission for Scientific and Technological Research), LE STUDIUM Loire Valley Institute for Advanced Studies (F), GACR (Grant Agency CZ) e Czech Science Foundation (CZ).

Precedenti posizioni

Da Giu 2022	Professoressa Associata in Tecnica delle Costruzioni (SSD ICAR/09) presso Dipartimento di Ingegneria e Architettura, Università degli Studi di Trieste
Dic 2019-Giu 22	Ricercatrice RTD(b) presso DIA-UniTS (SSD ICAR/09)
Dic 2014-Dic 19	Ricercatrice RTD(a) presso DIA-UniTS (SSD ICAR/09)
2014	(Gen-Dic) Ricercatrice presso Regione Sardegna (PO Regione Sardegna - FSE 2007/2013) per progetto di ricerca: "Sviluppo di un sistema costruttivo a pannelli in legno lamellare incrociato (x-lam) utilizzando pino marittimo sardo"
2012	Borsa di studio Post-Doc (6 mesi, SSD ICAR/09), Dipartimento di Architettura, Design e Urbanistica (DADU), Università degli Studi di Sassari (prof. M. Fragiaco)
2008	Borsa di studio Post-Lauream (SSD ICAR/09), Dipartimento di Ingegneria e Architettura (DIA), Università degli Studi di Trieste (prof. C. Amadio)

Istruzione

2009-2011	Dottorato di Ricerca in Ingegneria Civile (indirizzo Ingegneria delle Infrastrutture, Strutture e Sistemi di trasporto), XXIV Ciclo, presso l'Università degli Studi di Trieste, Dipartimento di Ingegneria e Architettura. Dissertazione: "Problemi di stabilità negli elementi in vetro strutturale e studio innovativo di facciate in vetro-acciaio sottoposte a carico da esplosione" - Relatore: prof. C. Amadio
2008	Master Post-Lauream di 2° Livello "Progettazione Antisismica delle Costruzioni (MUPAC)", Università degli Studi di Trieste (AA 2007-08). 400 ore di didattica frontale + 250 ore di tirocinio. Voto: 100/110
2008	Esame di Stato – Abilitazione alla professione di Ingegnere Civile (prima sessione) e iscrizione all'Ordine degli Ingegneri della Provincia di Udine (albo A, n. 3129), dal 2009
2007	Laurea Specialistica in Strutture ed Opere dell'Ingegneria Civile – Classe delle Lauree Specialistiche in Ingegneria Civile (28/S), Università degli Studi di Trieste. Titolo conseguito in data 14/12/2007 (Sessione invernale AA 2006-07). Tesi: "Effetti dell'armatura lenta nel calcolo agli Stati Limite dei pannelli alveolari in cemento armato precompresso" - Relatore: prof. S. Noé, 110/110 e Lode
2005	Laurea Triennale in Ingegneria Edile – Classe delle Lauree in Scienze dell'architettura e dell'Ingegneria edile (4), Università degli Studi di Trieste. Titolo conseguito in data 21/10/2005 (Sessione autunnale AA 2004-05). Tesi: "Aspetti progettuali e costruttivi di un impianto termoelettrico: centrale Edison di Torviscosa" - Relatore: prof. S. Noé, 107/110
2002	Diploma di maturità scientifica, Liceo Statale "A. Einstein", Cervignano del F. (UD), 100/100 e Lode

Didattica

Incarichi di insegnamento nell'ambito di Dottorato di Ricerca (accreditati MIUR):

- o Università IUAV di Venezia (co-docenza prof. A. Bilotta, P. Bamonte, C. Bedon, M. Colombo, C. Demartino, F. Sciarretta, F. Stochino) – corso patrocinato AICAP:
2022 "Fire and Blast on RC Structures", 16 ore, 2 CFU (impegno didattico di 2 ore)

- Università di Napoli Federico II (co-docenza prof. A. Bilotta, P. Bamonte, C. Bedon, M. Colombo, C. Demartino, F. Sciarretta, F. Stochino) – corso patrocinato AICAP:
2020, 21 “Fire and Blast on RC Structures”, 16 ore, 2 CFU (impegno didattico di 2 ore)
- Università di Trieste (DIA), inter-ateneo con Università di Udine:
2022 “Architetture trasparenti”, 4 ore, 0.5 CFU
2019, 20 “Vetro strutturale e materiali compositi nelle costruzioni”, 8 ore, 1 CFU
2016, 17, 18 “Progetto di strutture in vetro-acciaio”, 16 ore, 2 CFU

Incarichi di insegnamento nell’ambito di Master universitari:

- 2021-23 Master in Risk Management delle Infrastrutture – CINEAS, Politecnico di Milano (impegno didattico di 4 ore, 0.5 CFU, su corso annuale)
“Sistemi e tecnologie innovative per il monitoraggio dei rischi delle infrastrutture”

Incarichi di insegnamento nell’ambito di Corso di Laurea Specialistica in Ingegneria Civile (UniTS-DIA):

- 2023 Docente titolare del corso “Progettazione e riabilitazione strutturale” (ICAR/09, 3 CFU di 6 complessivi)
- Dal 2022 Docente titolare del corso “Costruzioni in acciaio” (ICAR/09, 6 CFU)

Incarichi di insegnamento nell’ambito di Corso di Laurea Magistrale CU in Architettura (UniTS-DIA):

- Dal 2012 Docente titolare del corso “Analisi delle strutture” (ICAR/09, 6 CFU)
Da AA 2012-13 ad AA 2015-16 (a contratto). Da AA 2016-17, titolare conferito come incarico RTD
- 2020-23 Docente titolare del corso “Statica” (ICAR/08, impegno didattico di 2 CFU su 6 complessivi)
Co-docenza prof. M. Gei, AA 2020-21, AA 2021-22 e AA 2022-23
- Feb-Ott 2012 Docente a contratto, UniTS-DIA (incarico di docenza sostitutiva)
Esercitazioni / attività tecnico-pratiche relative al corso di “Statica”, Laurea Triennale in Scienze dell’Architettura (ICAR/08, 4 CFU), AA 2011-12

Altre attività didattiche (UniTS-DIA):

- Immaginario Scientifico per le Scuole:
“Nuove sfide per le costruzioni” (incontri da 1h nelle scuole)
- Didattica PNRR 2023-24 Oriéntati a cambiare il mondo, per un futuro sostenibile:
“Costruire la sostenibilità: nuovi materiali, tecnologie e sfide “green” per l’ingegneria civile” (4h)
- Moduli Formativi Estivi
 - Area Ingegneria (2023, 2024) “Innovazione e sostenibilità di costruzioni e infrastrutture”
 - Area Architettura (2021, 2022, 2023) ArchitecTS do it better. Una regione speciale, il Friuli Venezia Giulia come laboratorio di futuro, “Progettazione comfort-driven dell’architettura”
- Incarichi di insegnamento nell’ambito di Corso di Laurea Specialistica in Ingegneria Civile (UniTS-DIA):
attività didattica occasionale (Gen 2008-Dic 2012):
 - Sezioni ed esami del corso “Ingegneria sismica”, titolare ing. I. Clemente
 - Esercitazioni dei corsi “Costruzioni in acciaio 1 e 2”, titolare prof. C. Amadio
 - Esercitazioni del corso “Progetto di strutture 2”, titolare prof. C. Amadio

Attività di relatore / correlatore / supervisore

(da Gen 2017) per Tesi di Dottorato, tra cui:

- XXXV Ciclo - Da Nov 2024 (in corso) per il Dottorando Mir Zafarullah (UniTS - DIA) – Beneficiario su base competitiva di finanziamento **PNRR DM351**, in collaborazione con **BLDing Engineering & Consulting**: “MultiGlass: analisi e progettazione di sistemi vetrati integrati multi-funzione strutturalmente efficaci”
- XXXIV Ciclo - Da Nov 2023 (in corso) per il Dottorando Nicola Cella (UniTS - DIA): “Analysis of glass facades under extreme design actions”
- XXXVIII Ciclo - Da Gen 2023 (in corso) per il Dottorando Alessandro Mazelli (UniTS – DIA): “Development of simplified methods for the serviceability assessment of timber floors”
- XXXVIII Ciclo - Dic 2022-Sett 2024 (decaduto) per il Dottorando Mohammad Momeni (UniTS - DIA) – Beneficiario su base competitiva di finanziamento **PNRR DM351**, in collaborazione con **University of Coimbra** (PT): “Optimal design and prototyping of sensorized modular panels for smart facades”
- XXXVII Ciclo - Da Gen 2023-Ott 2024 per il Dottorando Giovanni Smirolto (UniTS – DIA): “Uso di segnali sintetici da scenario per la valutazione del rischio sismico di edifici regolari e non regolari in c.a.” (co-tutor ing. M. Fasan, prof. F. Romanelli)
- Da Gen 2022 (in corso) per il Dottorando Mr. S. Lotfi (University of Coimbra – Coimbra, **Portugal**) – Beneficiario di finanziamento **MIT Portugal Program** (MPP2030-FCT) in collaborazione con Massachusetts Institute of Technology (MIT) e Portuguese Foundation for Sciences and Technology (FCT): “Behavior of laminated glass (LG) panels under various impulsive loads” (tutor prof. S. Jordao)
- Da Set 2022 (in corso) per il Dottorando Mr. S. A. Hosseini (University of Coimbra – Coimbra, **Portugal**): “Development of optimized dissipative spider arms for glass façade systems” (tutor prof. S. Jordao)

- Da Gen 2020 (in corso) per la Dottoranda Ms. E. Inca Cabrera (University of Coimbra – Coimbra, **Portugal**) – Beneficiaria di finanziamento Portuguese Foundation for Sciences and Technology – **FCT**: “*Structural glass façades subjected to seismic load*” (tutor prof. S. Jordao, co-tutor prof. C. Rebelo)
- XXXVI Ciclo - Da Gen 2023-Mag 2024 per il Dottorando Luca Bomben (UniTS – DIA): “*Advanced Modelling of Masonry Wall Structures Under Earthquake Loading*” (co-tutor prof. L. Macorini, dr. C. Chisari)
- XXXVI Ciclo - Da Gen 2023-Mag 2024 per il Dottorando Stefano Bozza (UniTS – DIA): “*Valutazione del rischio strutturale dei ponti esistenti con riferimento ai ponti a graticcio in c.a.p.*” (co-tutor prof. S. Noè, dr. M. Fasan)
- XXXV Ciclo - Nov 2019-Mag 2023 (tutor da Gen 2023), per la Dottoranda Ing. T. Tufaro (UniTS - DIA) – Beneficiaria di finanziamento Fondo Sociale Europeo – **PO FVG-FSE 2014/2020**: “*Valutazione del Rischio Sismico di un Modello di Rete Stradale per la Regione Friuli Venezia Giulia (NE)*” (co-tutor prof. S. Noè, ing. M. Fasan, dr. M. Santulin)
- XXXV Ciclo - Nov 2019-Mag 2023, per la Dottoranda Ing. S. Mattei (UniTS - DIA) – Beneficiaria di finanziamento Fondo Sociale Europeo – **PO FVG-FSE 2014/2020**: “*Numerical fragility assessment and structural performance analysis of glass façade systems including post-fracture residual capacity*” (co-tutor prof. C. Amadio)
- Ott 2018-Gen 2021, per il Dottorando M. Momeni (Shiraz University of Technology, Department of Earthquake Engineering – Shiraz, **Iran**): “*Damage evaluation of steel beam-columns subjected to impulsive loads using reliability approach*” (tutor prof. M.A. Hadianfard, co-tutor Dr. A. Baghlani)
- 2017-19, per la Dottoranda M. Sciomenta (Università degli Studi dell'Aquila): “*Numerical and analytical behaviour of Blockhaus walls under lateral and compressive loads*” (tutor prof. M. Fragiaco, co-tutor prof. A. Luongo)

(da Apr 2021) per Assegni di ricerca presso UniTS-DIA:

- Da Giu 2024: Ing. Riccardo Del Bello (22 mesi, “*3FiRES - Research on BIPV Photovoltaic Facades for Fire Spread Mechanisms, Structural Failures and Resilience Improvement Methodologies*”)
- Da Giu 2024: Dr. Stefano Bozza (24 mesi, “*Analisi del rischio strutturale dei ponti esistenti in c.a.p.*”)
- Apr 2023-Ago 2024: Dr. Marco Fasan (16 mesi, “*Influenza della variabilità spaziale del moto del suolo sulla risposta sismica di strutture da ponte per mezzo di simulazioni basate sulla fisica del fenomeno*”)
- Apr 2021-Mar 22: Ing. Alessia Bez (12 mesi, attività di ricerca in collaborazione con **Joint Research Centre** - Directorate for Space, Security & Migration (SSM) - Safety and Security of Buildings (SSB) Unit of Ispra (VA))

(da Ago 2024) per Borse di ricerca post-laurea presso UniTS-DIA:

- Da Nov 2024: Ing. Giovanni Smiroldo (4 mesi, “*CoReng – Studio avanzato di procedure per la definizione di curve di fragilità basate su una definizione realistica dell’input sismico per i beni culturali siti a Cairo Vecchia*”)
- Da Sett 2024: Dr. Franco Vaccari (12 mesi, “*CoReng – Studio avanzato per la definizione realistica dell’input sismico per i beni culturali e monumentali siti a Cairo Vecchia*”)
- Ago-Dic 2024: Ing. Lorenzo Veronese (4 mesi, “*3FiRES – Studio avanzato e analisi termo-meccanica di componenti e sistemi BIPV innovativi esposti a temperature elevate e incendio*”)

(da Ago 2024) per Contratti di collaborazione occasionale presso UniTS-DIA:

- Ott-Nov 2024: Dr. Michele Dilena (1 mese, “*CoReng – Sviluppo di possibili procedure sperimentali non distruttive e di modelli numerici accurati a elementi finiti per l’identificazione dinamica e l’analisi sismica dinamica non lineare di alcuni degli edifici monumentali siti a Cairo Vecchia, e definizione di linee guida / procedure generali per la loro applicazione al patrimonio culturale del Complesso delle Religioni*”)
- Sett-Ott 2024: Dr. Marco Francesco Funari (1 mese, “*CoReng – Definizione di criteri ingegneristici per lo sviluppo di modelli numerici a elementi finiti e per l’analisi di vulnerabilità sismica di edifici monumentali, e loro applicazione al patrimonio culturale monumentale sito a Cairo Vecchia*”)

(da Gen 2009) per Tesi di Laurea Triennale (LT) e Specialistica (LS) in Ingegneria Civile e/o Architettura (LT o Laurea Magistrale a Ciclo Unico (LM)) - *non si riportano le tesi ancora in fase di svolgimento*:

- Altre Università
 1. T. Rodrigues (LS AA 2016-17): “*Long-term effects on Structural Glass*”, University of Coimbra, Department of Civil Engineering, Coimbra, Portugal (prof. S. Jordão)
 2. M. Sacadura (LS AA 2015-16): “*Adaptive glass pane using shape-memory alloys*”, Universidade Nova de Lisboa, CERIS, ICIST – Lisbon, Portugal (prof. F. A. Santos)
- Università di Trieste, Dipartimento di Ingegneria e Architettura
 1. Alice Giacomazzo (LS 2024): “*Stima del fattore di comportamento di una struttura adeguata sismicamente – Il nuovo corpo d’accesso al Pronto Soccorso dell’Ospedale di Cattinara*” (ing. R. Del Bello)
 2. Gabriele Ausanio (LS 2024): “*Effetto di connessioni parzialmente rigide nella risposta dinamica di solai sottoposti a carichi di calpestio*” (ing. A. Mazelli)
 3. R. Del Bello (LS 2024): “*Fattore di comportamento per telai controventati soggetti a sequenze sismiche*” (dr. M. Fasan, ing. G. Smiroldo)
 4. L. Veronese (LS 2024): “*Valutazione dei fenomeni di interazione uomo-struttura nei ponti pedonali esistenti – Applicazione ad un ponte strallato in acciaio*” (dr. M. Fasan)
 5. G. Almeida Soares Junior (LS 2024): “*Analisi sismica di una struttura industriale in acciaio in Cile*” (dr. M. Fasan)

6. A. Dalla Porta (LS 2024): "Progettazione di strutture in acciaio speciali secondo l'Eurocodice 3 – Extremely Large Telescope Catwalk" (ing. N. Casoni)
7. M. Napolitano (LS 2023): "Studio degli effetti delle sequenze sismiche su un telaio in acciaio controventato mediante curve di fragilità" (dr. M. Fasan, ing. G. Smiroldo)
8. N. Cella (LS 2023): "Analisi numerica di una facciata continua vetrata soggetta ad azione sismica"
9. R. De Marco (LS 2022): "Analisi comportamentale e sismica di un serbatoio pensile con vasca troncoconica di 800mc: studio dell'interazione acqua struttura" (prof. C. Amadio, ing. L. Bomben)
10. A. Candia (LS 2021): "Studio del comportamento sismico di solai storici latero-cementizi" (ing. I. Clemente)
11. A. Iurlaro (LS 2021): "Glass Structures' Comfort: a study of human reaction in support of structural design" (ing. S. Mattei)
12. E. Rizzi (LS 2020): "Balaustre in vetro: soft body impact con modellazione numerica e validazione sperimentale" (prof. C. Amadio, ing. P. Lucia)
13. M. D'Angelo (LS 2020): "Progetto strutturale di una vasca di acquario di grandi dimensioni. Studio particolare delle pareti in polimetilmetacrilato" (prof. S. Noé)
14. A. Bez (LS 2020): "Soft Body Impact: modellazione numerica e validazione sperimentale di elementi di facciata in vetro" (prof. C. Amadio, ing. G. Manara)
15. (REL) R. De Marco (LT AA 2018-19): "Analisi strutturale e indagine diagnostica di una struttura esistente in vetro-acciaio nell'edificio storico della Basilica di Aquileia"
16. (REL) M. Vicari (LT AA 2017-18): "Luce naturale in architettura: casi studio e simulazioni numeriche"
17. D. Santo (LT AA 2017-18): "Instabilità flessio-torsionale di travi in vetro strutturale con ritegni laterali" (prof. S. Noé)
18. I. Panizzut (LS AA 2017-18): "Indagine sperimentale e numerica sul ruolo del collegamento tra i vetri di un pannello in vetrocamera" (prof. C. Amadio)
19. P. Gesmundo (LS AA 2016-17): "Modellazione sismica di un telaio composto acciaio calcestruzzo dotato di controventi concentrici a X" (prof. C. Amadio)
20. A. Esposito (LS AA 2016-17): "Analisi numerica di travi ibride in vetro strutturale e FRP" (prof. C. Amadio)
21. C. Cadelli (LS AA 2015-16): "Analisi e modellazione di nodi composti acciaio calcestruzzo per strutture intelaiate controventate" (prof. C. Amadio)
22. G. Ballarini (LS AA 2015-16): "Analisi dinamica di un edificio multipiano in acciaio dotato di chiusure in vetro dissipative" (prof. C. Amadio)
23. E. Bergamo (LS AA 2013-14): "Identificazione strutturale per mezzo di sensori accelerometrici MEMS: prototipazione e validazione" (prof. S. Noé)
24. F. Iurasek (LS AA 2013-14): "Analisi di buckling di travi inflesse in vetro dotate di vincolo laterale" (prof. C. Amadio)
25. G. Cappellotto (LS AA 2012-13): "Analisi di buckling di pareti in legno 'Blockhaus'" (prof. C. Amadio)
26. A. Sinico (LS AA 2012-13): "Analisi di buckling di elementi in vetro soggetti a carichi impulsivi" (prof. C. Amadio)
27. C. Sartori (LS AA 2011-12): "Analisi statica lineare e di push-over di un edificio in muratura sito a Trieste in zona Città Vecchia" (prof. C. Amadio)
28. L. Rizzian (LQ vo AA 2010-11): "Verifica sismica di un edificio ATER, in muratura, ubicato a Trieste in Via Catalani" (prof. C. Amadio)
29. L. Bozzi (LS AA 2010-11): "L'isolamento sismico dei ponti" (prof. S. Noé)
30. S. Lovato (LS AA 2009-10): "Analisi a lungo termine di travi composte acciaio calcestruzzo in fase fessurata e non fessurata" (prof. C. Amadio)
31. G. Cappellotto (LS AA 2008-09): "Analisi di vulnerabilità sismica della villa comunale di Portogruaro" (prof. C. Amadio)
32. L. Bozzi (LT AA 2007-08): "Effetto dell'aggiunta di armatura lenta nei pannelli alveolari precompressi. Analisi sperimentali" (prof. S. Noé)

Inoltre:

- (2024) PhD External Examiner per tesi di Dottorato presso Curtin University - School of Civil and Mechanical Engineering, **Australia**
- (2024) PhD External Examiner per tesi di Dottorato presso University of Split, **Croatia**
- (2024) PhD External Examiner per tesi di Dottorato presso University of Manchester, **United Kingdom**
- (2024) Co-supervisore per tesi di Laurea Magistrale in ingegneria civile presso National Advanced School of Public Works- ENSTP, Yaoundé, **Camerun**
- (2024) Controrelatore per tesi di Laurea Magistrale in ingegneria civile presso Università di Padova, Italy
- (dal 2023) PhD External Examiner per tesi di Dottorato di candidati presso National Institute of Technology, Kurukshetra, Haryana, **India**

Altri incarichi

- Dal 2024: Panel Member/Evaluator per **FCT Portugal** (Foundation for Science and Technology)
- Dal 2023: External Expert per COST Open Calls (**COST Association**, Brussels, BE)
- Dal 2023: Remote Referee per **ERC – European Research Council Executive Agency** (PE8 panel)

- 2023-24: componente effettivo del comitato di selezione per “tenure-eligible lecturer” – **SHP-Serra Húnter Programme** (Universitat Politècnica de Catalunya (UPC), Barcelona, ES)
- 2023: componente effettivo del comitato di selezione per “W&T9 PhD in Science, Technology and Sociotechnical Analysis of the Built Environment” (**FWO**, BE)
- 2023: componente effettivo del comitato di selezione per “W&T9 POSTDOC in Science, Technology and Sociotechnical Analysis of the Built Environment” (**FWO**, BE)
- 2023-25: expert member per **FWO Review College** (Science and Technology (W&T9)), Research Foundation Flanders (BE)
- Dal 2021: revisore **ANVUR** – campagna di valutazione **VQR 2015-19**
- Dal 2021: expert evaluator per Commissione Europea (**HORIZON**)
- Dal 2019: revisore MIUR **REPRISSE**
- Dal 2009: vice-presidente, (dal 2021) presidente, (dal 2022) componente della Commissione Edilizia Comune di Torviscosa

Università di Trieste, Dipartimento di Ingegneria e Architettura

- Dal 2024: componente Gruppo di gestione Assicurazione Qualità (AQ) di riesame CdS - Corso di Laurea Magistrale in Engineering for the Energy Transition
- Da Gen 2023: Collaboratore del Referente per la qualità (AQ) – Ufficio di Direzione
- Dal Nov 2022: componente del **Collegio di Dottorato** in Ingegneria Civile, Ambientale e Architettura (DICAA), interateneo UniTS-UniUD (XXXVIII ciclo)
- Dal 2021: componente del **Consiglio di Dottorato** in Ingegneria Civile, Ambientale e Architettura (DICAA), interateneo UniTS-UniUD (XXXVII ciclo)
- Dal 2020: componente “Commissione spazi”
- Dal 2018: valutatore di Panel d’Area (**VPA**) per Commissione di Valutazione della Ricerca (**CVR**) – Area 08 - Ingegneria Civile e Architettura sub-area b (Ingegneria Civile)
- Dal 2018: componente Gruppo di gestione Assicurazione Qualità (AQ) di riesame CdS - Corso di Laurea Magistrale (CU) in Architettura
- Dal 2017: componente **Commissione di Laurea** in Architettura (Laurea Quinquennale e Laurea Magistrale) e Ingegneria (anche con funzione di Segretario), e (dal 2011) Commissione giudicatrice per esami di prelaurea in Ingegneria Civile
- Da Giu 2015: membro aggregato per la **Commissione Esami di Stato** - Settore Civile e ambientale – Curriculum Strutture; Classe Senior: Ing. civile, 28/S; Classe junior: Ing. civile ed amb. Jr., sez. B cl. 8
- Dal 2015: componente Commissioni valutatrici per il conferimento di Borse e/o Assegni di ricerca
- 2018: componente Commissione di valutazione relativa al bando **Erasmus+ Key Action 1**: mobilità per studio a.a. 2018/2019 (sezione Ingegneria), per assegnazione borse di mobilità studenti
- Coordinatore locale per **Accordo Inter-Istituzionale “Erasmus +”** tra DIA e:
 - Da Gen 2018 **University of Zilina** (Zilina, Slovakia)
 - Da Giu 2015 **Ghent University**, Department of Structural Engineering (Ghent, Belgium)
 - Da Giu 2015 **University of Coimbra**, Department of Civil Engineering (Coimbra, Portugal)

Altro

- Dal 2022: componente di Commissioni valutatrici per posizioni RTD [UniTS, PoliTO, UnivAQ, UniPD,...]
- Dal 2020: componente di Commissioni valutatrici per il conferimento del titolo di Dottore di ricerca (membro effettivo o supplente) [UniTS, UnivAQ, UniCT,...]
- Dal 2019: componente di Commissioni valutatrici per il conferimento di Borse e/o Assegni di ricerca [UniTS, UniFI,...]

Valutatore di progetti di ricerca internazionali

Da Set 2015, è referee per vari Enti, tra cui (in ordine alfabetico):

- AGAUR (Agencia de Gestión de Ayudas Universitarias y de Investigación - Catalunya), Spain
- APVV (Slovak Research and Development Agency), Slovak Republic
- CONICYT (Chilean National Commission for Scientific and Technological Research), Chile
- European Commission, European Research Executive Agency (REA)
- FCT (Foundation for Science and Technology), Portugal
- ISF (Israel Science Foundation), Israel
- MIUR – Programma per Giovani Ricercatori “Rita Levi Montalcini”, Italy
- FWO (Research Foundation Flanders) – European Science Foundation (ESF), Belgium
- GACR (Grant Agency of the Czech Republic) Czech Science Foundation, Czech Republic
- LE STUDIUM Loire Valley Institute for Advanced Studies, France
- SNSF (Swiss National Science Foundation), Switzerland
- ente governativo NCN - National Science Centre (OPUS call, PRELUDIUM call), Poland
- ente governativo NCSTE - National Center of Science & Technology Evaluation, Republic of Kazakhstan

Collaborazioni di ricerca

Dal 2011 collabora / ha collaborato a varie attività di ricerca con altri centri di ricerca e Università, tra cui:

- EU-Joint Research Centre - JRC-Ispra (VA), Italy (*Directorate for Space, Security & Migration (SSM) - Safety and Security of Buildings (SSB) Unit di Ispra*)
- University of Science and Technology of China – State Key Laboratory of Fire Science (USTC Hefei), **China**
- Cracow University of Technology – Institute of Structural Mechanics, **Poland**
- National Research Institute of Astronomy and Geophysics (NRIAG), **Egypt**
- Slovenian National Building and Civil Engineering Institute (ZAG), **Slovenia**
- Elettra Sincrotrone, Basovizza, Italy
- National Institute of Oceanography and Applied Geophysics – **OGS**, Italy
- Consiglio Nazionale delle Ricerche (**CNR**) – Istituto per la BioEconomia (**IBE**)
- Frederick University, Department of Mechanical Engineering, **Cyprus**
- Kyushu Institute of Technology, Department of Civil and Architectural Engineering, Kitakyushu, Fukuoka, **Japan**
- Dresden University of Technology (TUD), Dresden, **Germany**
- Technical University of Denmark (DTU), Department of Civil Engineering, Lyngby, **Denmark**
- University of Zagreb, **Croatia**
- RISE Research Institutes of Sweden, Göteborg, **Sweden**
- Invertis University Bareilly, Department of Mechanical Engineering, **India**
- Western University Ontario, **Canada**
- Silesian University of Technology, Department of Structural Engineering, Gliwice, **Poland**
- Poznan University of Technology, Institute of Structural Engineering, Poznan, **Poland**
- Curtin University, Department of Civil Engineering, Bentley Campus, Perth (WA), **Australia**
- University of Žilina, Faculty of Safety Engineering, Žilina, **Slovak Republic**
- University of Luxembourg, **Luxembourg**
- Delft University of Technology (TU Delft), Department of Architectural Engineering and Technology (AE+T), Faculty of Architecture and the Built Environment (A+BE), Delft, **The Netherlands**
- Cambridge University, Department of Civil Engineering, Cambridge, **United Kingdom**
- Czech Technical University (CTU) of Prague - Prague, **Czech Republic**
- New University Lisbon, Faculty of Science and Technology, Department of Civil Engineering, Lisbon, **Portugal**
- University of Coimbra, Department of Civil Engineering, Coimbra, **Portugal**
- Ghent University, Department of Structural Engineering, Faculty of Engineering and Architecture, Ghent, **Belgium**

Mobilità per ricerca

a) Visiting Researcher

Ha preso parte a numerose Short-Term Scientific Missions (STSMs) approvate e finanziate da vari network EU-COST (Horizon 2020), tra cui:

Gen 2022	University of Zagreb, Department of Civil Engineering - Zagreb, Croatia (Host Prof. V. Rajcic) [EU-COST Action CA18120 "CertBond"] <i>Progetto: "Calibration and experimental validation of FE numerical models for adhesive Bonded-in-Rod (BIR) connections in timber structures"</i>
Gen 2020	University of Zagreb, Department of Civil Engineering - Zagreb, Croatia (Host Prof. V. Rajcic) [EU-COST Action CA18120 "CertBond"] <i>"Assessment and review of the Cohesive Zone Modelling technique for laminated timber structures with glued-in rods"</i>
Apr 2019	University of Zagreb, Department of Civil Engineering - Zagreb, Croatia (Host Prof. V. Rajcic) [EU-COST Action CA17107 "CONTEXT"] <i>"Numerical analysis of the thermo-mechanical performance of smart textiles and coatings in building skins and facades"</i>
Apr 2018	RISE – Research Institutes of Sweden - Göteborg, Sweden (Host Dr. D. Honfi) [EU-COST Action TU1403 "Adaptive Facades Network"] <i>"Thermo-mechanical numerical modelling of adaptive facade assemblies under high temperatures and fire"</i>
Apr 2016	Cambridge University, Department of Civil Engineering - Cambridge, United Kingdom (Host Dr. M. Overend) [EU-COST Action TU1403 "Adaptive Facades Network"] <i>"Coupled structural & thermal optimization of a multifunctional building skin"</i>
Mar 2014	University of Coimbra, Department of Civil Engineering - Coimbra, Portugal (Host Dr. S. Jordão) [EU-COST Action TU0905 "Structural glass-Novel design methods and next generation products"] <i>"Experimental-numerical investigation of laminated glass beams with pre-stressed cables"</i>
Giu 2013	EPFL-ICOM Steel Structures Laboratory, Lausanne, Switzerland (Host Dr. C. Louter)

[EU-COST Action TU0905 "Structural glass-Novel design methods and next generation products"]
"Numerical analysis of SG-laminated reinforced glass beams"

Set 2012 LMO - Laboratory for Research on Structural Models, Department of Structural Engineering, Faculty of Engineering and Architecture, Ghent University, **Belgium** (Host Prof. J. Belis)
[EU-COST Action TU0905 "Structural glass-Novel design methods and next generation products"]
"Experimental and numerical buckling assessment of laminated glass components"

b) Host Researcher / Supervisor

Ha preso parte come host a numerose visite finanziate da vari progetti o network, tra cui:

Visite Short-Term Scientific Mission (STSM)

Apr 2023 [EU-COST Action TU18120 "CertBond"]
Progetto: "Modelling and Simulation of Impact loads on Adhesively Bonded Cement-based Composites" – Supervisor for Dr. Mohammad Momeni at **Frederick University**, Department of Mechanical Engineering (Host Dr. Loucas Papadakis), **Cyprus**

Feb-Apr 2021 [EU-COST Action TU18120 "CertBond"]
Progetto: "Numerical Analysis of Adhesive Point Fixings for Glass Facades" - Visitor Ms. Eliana Cabrera Inca (Ph.D. candidate)
University of Coimbra, Department of Civil Engineering - Coimbra, **Portugal**

Feb 2018 [EU-COST Action TU1403 "Adaptive facades network"]
"Coupled thermo-mechanical model for structural glass" - Visitor Dr. Marcin Kozłowski (Research Associate)
Silesian University of Technology, Department of Structural Engineering - Gliwice, **Poland**

Dic 2015 [EU-COST Action TU1403 "Adaptive facades network"]
"Numerical modelling of a structural adhesive used for bonding hybrid steel-glass beams" - Visitor Mr. Filipe Firmo (Ph.D. Student)
University of Coimbra, Department of Civil Engineering - Coimbra, **Portugal**

Mar 2014 [EU-COST Action TU0905 "Structural glass-Novel design methods and next generation products"]
"Experimental and numerical assessment of the compressive behaviour of square hollow glass columns"
Visitor Mr. Roman Kalamar (Ph.D. Student)
Czech Technical University of Prague - Prague, **Czech Republic**

Visite in ambito di programmi Erasmus+

Set-Dic 2018 Tirocinio Progetto: "Numerical modeling of blast loaded structures"
Visitor: Mr. Matúš Ivančo (Ph.D. Candidate)
University of Žilina, Faculty of Safety Engineering – Žilina, **Slovak Republic**

Lug 2018 Visita breve / Teaching Staff Mobility; Progetto: "Research on timber structures"
Visitor: Dr. Beatriz Gonzalez Rodrigo (Lecturer)
Polytechnical University of Madrid, Department of Civil Engineering – Madrid, **Spain**

Giu&Nov 2018 Visita breve / Teaching Staff Mobility; Progetto: "Numerical modeling of the dynamical behavior of prestressed concrete beams"
Visitor: Dr. Lucia Figuli (Lecturer)
University of Žilina, Faculty of Safety Engineering – Žilina, **Slovak Republic**

Visite in ambito di altri programmi e finanziamenti

Ott 2024 Visiting Professor: Jan Belis (Bando VP 2023 – UniTS, primo classificato)
Ghent University, Department of Structural Engineering and Building Materials – Ghent, **Belgium**

Mag-Ott 2024 Visitor Ms. Eliana Cabrera Inca [Foundation for Science and Technology (FCT)]
University of Coimbra, Department of Civil Engineering - Coimbra, **Portugal**

Giu-Ago 23 Visiting researcher: Asst. Prof. Erika Kozem Silim
University of Maribor, Faculty of Civil Engineering, Transportation Engineering and Architecture – Maribor, **Slovenija**

Nov-Dic 22 Tirocinio durante il Dottorato in Ingegneria Civile; Progetto: "Glass bricks and walls"
Visitor: Mr. Saddam Hussein (Ph.D. Candidate)
Kyushu Institute of Technology – Fukuoka, **Japan**

Set-Ott 19 Tirocinio durante il Dottorato in Ingegneria Civile; Progetto: "Glass bricks and walls"
Visitor: Mr. Jiri Fila (Ph.D. Candidate)
Czech Technical University of Prague (CTU) – Prague, **Czech Republic**

Ott 18-Mag 19 Visita di studio durante il Dottorato in Ingegneria Civile; Progetto: "Numerical modeling of the dynamical behavior of prestressed concrete beams"
Visitor: Mr. Mohammad Momeni (Ph.D. Candidate)

Shiraz University of Technology, Department of Earthquake Engineering – Shiraz, **Iran**

La collaborazione di ricerca ha avuto il sostegno economico del Governo Iraniano (Ministry of Science, Research and Technology - Islamic Republic of Iran)

Gen-Feb 2017 Visita/tirocinio durante il Dottorato in Ingegneria Civile; Progetto: *“Numerical modeling of the dynamical behavior of prestressed concrete beams”*
Visitor: Mr. Hamza Djefal (Ph.D. Candidate)

University of Biskra – Algeria

Giu 2016 Visita programmata durante il Dottorato in Ingegneria Civile (Supervisor: Dr. M. Eliášová); Progetto: *“Structural glass columns under impact”*
Visitor Mr. Roman Kalamar (Ph.D. Student)

Czech Technical University (CTU) in Prague - Prague, Czech Republic

Giu 2015 Visita programmata durante il progetto di tesi di Laurea Specialistica (Supervisor: Dr. F. A. Santos); Progetto: *“Adaptive glass pane using shape-memory alloys”*
Visitor Ms. Mariana Sacadura (MSc Student)

Universidade Nova de Lisboa, Faculdade de Ciências e Tecnologia - Lisbon, **Portugal**

Appartenenza a gruppi di ricerca / network / associazioni

Dal 2010, partecipa come delegato nazionale, membro del direttivo, o task leader o working group expert a progetti e network nazionali ed internazionali, tra i quali (per tipologia e in ordine cronologico):

Network

- (da Gen 2015) Thematic Group Member (Expert) @ Joint Research Centre – European Commission
EU-ERNICIP Network (European Reference Network for Critical Infrastructure Protection)
Thematic Group "Resistance of Structures to Explosive Effects", <https://ernicip-project.jrc.ec.europa.eu/>

Associazioni

- (da Nov 2018) Steering Committee Member - **NAFEMS Italy** “International Association for the Engineering Modelling, Analysis and Simulation Community” (<http://www.nafems.org/>)
- (da Lug 2017) componente **IAPS** “International Association of Protective Structures” (<http://www.protectivestructures.org/>)

European Research Network (EU-COST)

- (da Mar 2023) **EU-COST Action CA21155**: “Advanced Composites under High STRAIN raTEs loading: a route to certification-by-analysis” (HISTRATE)
 - Working Group Member
- (da Giu 2021) **EU-COST Action CA20139**: “Holistic design of taller timber buildings” (HELEN)
 - Co-autore (secondary proposer)
 - Core Group Member
 - Management Committee (MC) Member, delegato nazionale
 - Working Group Leader (WG2 “Vibrations and Deformations”)
- (Gen 2019-Set 2023) **EU-COST Action CA18120**: “Reliable roadmap for certification of bonded primary structures” (CertBond)
 - Core Group Member & Training School Manager
 - Management Committee (MC) Member, delegato nazionale
 - Working Group (WG) Member
- (Ago 2018-Apr 2023) **EU-COST Action CA17107**: “CONTEXT - European Network to connect research and innovation efforts on advanced Smart Textiles” (CONTEXT)
 - Management Committee (MC) Member, delegato nazionale
 - Working Group (WG) Member
- (Ago 2016-Nov 2018) **EU-COST Action FP1404**: “Fire safe use of bio-based building products”
 - Management Committee (MC) Member, delegato nazionale
 - Working Group (WG) Member: WG1 “Contribution of bio-based materials to the fire development” e WG2 “Structural Elements made of bio-based building materials and detailing”
- (Set 2014-Nov 2018) **EU-COST Action TU1403**: “Adaptive Facades Network”
 - Management Committee (MC) Member, delegato nazionale
 - “Structural group” Leader (da Ott 2016)
 - Working Group (WG) Member: WG2 “Component performance and characterization methods”
- (Gen 2012-Apr 2014) **EU-COST Action TU0905**: “Structural Glass: Novel design methods and next generation products”
 - Componente del Task Group 12 “Stability” (TG Member, da Gennaio 2012)
 - Componente del Task Group 7 “Numerical Simulation” (TG Member, da Apr 2013)
 - Leader del Task Group 12 “Stability” (da Apr 2013)

Commissioni / consorzi / centri di ricerca

- (da Nov 22) componente del Consiglio Scientifico del **CRIACIV** (Centro di Ricerca Interuniversitario di Aerodinamica delle Costruzioni e Ingegneria del Vento – Inter-University Research Centre on Building Aerodynamics and Wind Engineering)
- (da Giu 2021) componente dell'unità di ricerca locale UNITS che collabora, in convenzione triennale, con il **Consorzio FABRE** – Consorzio di ricerca per la valutazione ed il monitoraggio di ponti, viadotti e altre strutture (<https://consorziofabre.it/it>)
- (da Lug 2019) componente Commissione **AICAP** (Associazione Italiana Calcestruzzo Armato e Precompresso) – Rapporti con l'Università – Sottocommissione **"RC structures under fire, impact or explosion"** (www.associazioneaicap.com)

Altri network / gruppi di lavoro

- (da Apr 2023) componente del Gruppo di Ricerca Italiano incaricato dal CNR della stesura del prossimo Documento Tecnico **CNR DT**: *"Istruzioni per la progettazione di interventi di rinforzo e adeguamento sismico di edifici in c.a. con acciaio da carpenteria"*, CNR-Consiglio Nazionale delle Ricerche (www.cnr.it). Coordinatore Scientifico: prof. M.R. Pecce
- (da Dic 2022) componente del gruppo di lavoro incaricato da ASTM International (American Society for Testing and Materials) della stesura della normativa **ASTM WK80563**: *"New Guide for Effective Thickness Determination of Laminated Glass Performance"*, Technical Contact: Adam Nizich
- Dal 2022, componente del gruppo di lavoro incaricato della stesura "Guidelines for FE based design of timber structures" (coordinatore Prof. Dr.-Ing. Ulrike Kuhlmann)
- (2015-2019) componente del Gruppo di Ricerca Italiano incaricato dal CNR della stesura della versione aggiornata del Documento Tecnico **CNR DT 206 R1/2018**: *"Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Costruzioni con Elementi Strutturali in Legno"* (aggiornamento) CNR-Consiglio Nazionale delle Ricerche (www.cnr.it). Coordinatore Scientifico: prof. B. Calderoni
- (2010-2013) componente del Gruppo di Ricerca Italiano incaricato dal CNR della stesura del Documento Tecnico **CNR DT 210/2013**: *"Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Costruzioni con Elementi Strutturali di Vetro"*, CNR-Consiglio Nazionale delle Ricerche (www.cnr.it). Coordinatore Scientifico: prof. G. Royer
- (da Nov 2013) componente **IRSAG**-Italian Research on Structural Applications of Glass (www.ativ-online.it)

Seminari o lezioni (relatore)

Nel contesto di progetti di ricerca

- (Jun 2022) Invited Speaker – **Moldova State University** (Host Prof. F. Paladi)
"Finite Element numerical analysis of glass structures under near-field explosions"
NATO (SPS) Science for Peace and Security Programme - "Soft Target Protection" Advanced Training Course (ATC)
"Monitoring and Protection of Critical Infrastructure by Unmanned Systems", May 30-Jun 5, Chisinau, **Moldova** (online)
- (Nov 2021) Invited Speaker – **Obuda University** (Host Prof. T.A. Kovacs)
"Post-breakage safety levels for glass structures - An experimental study"
ICCECIP 2021 – 3rd International Conference on Central European Critical Infrastructure Protection (Nov 15, <http://bgk.uni-obuda.hu/iccecip/>) – Budapest, **Hungary** (online) - Hungarian Science Festival
- (Aug 2021) Invited Lecture – **Obuda University** (Host Prof. Zoltán Rajnai)
"Vibration analysis and characterization of damaged structural glass elements"
SATCIP NATO 2021 – Security-related advanced technologies in critical infrastructure protection (Aug 24-25) – Budapest, **Hungary** (online) - NATO SPS ARW
- (Dic 2020) Invited Speaker – **Zagreb University** (Host Dr. M. Stepinac)
ARES Project – 1st International Workshop (Dic 10-11, <https://www.grad.hr/ares/>), *"Numerical analysis and characterization of TTC joints with self-tapping screws"* – Faculty of Civil Engineering, Zagreb, **Croatia** (online)
- (Nov 2020) Invited Speaker – **Obuda University** (Host Prof. T.A. Kovacs)
"Transparent Materials and New Design Strategies in the Covid-19 Era"
ICCECIP 2020 – 2nd International Conference on Central European Critical Infrastructure Protection (Nov 16-17, <http://bgk.uni-obuda.hu/iccecip/2020/>) – Budapest, **Hungary** (online) - Hungarian Science Festival
- (Feb 2020) Invited Speaker – **Zagreb University** (Host Prof. V. Rajcic)
VETROLIGNUM Project – 3rd International Workshop (Feb 19, <https://www.grad.unizg.hr/vetrolignum/>), *"Thermal performance assessment of CLT-structural glass hybrid facade elements"* – Faculty of Civil Engineering, Zagreb, **Croatia**
- (Nov 2019) Invited Plenary Speaker – **Obuda University** (Host Prof. T.A. Kovacs)
"Protecting soft targets with glass: design strategies and challenges"
ICCECIP 2019 – 1st International Conference on Central European Critical Infrastructure Protection (Nov 18-19, <http://bgk.uni-obuda.hu/iccecip/2019/>) – Budapest, **Hungary** - Hungarian Science Festival
- (Feb 2019) Invited Speaker – **Zagreb University** (Host Prof. V. Rajcic)
VETROLIGNUM Project – 2nd International Workshop (Feb 14, <https://www.grad.unizg.hr/vetrolignum/>), *"Structural Glass Systems under Fire: Overview of Design Issues, Experimental Research and Developments"* – Faculty of Civil Engineering, Zagreb, **Croatia**
- (Feb 2014) Guest Lecture – **EPFL-ICOM Lausanne**

Nell'ambito dell' "ESR Workshop & Networking Event", Feb 3-5, organizzato da EU-COST Action TU0905: *"Buckling and Post-buckling analysis of a laminated glass column"*
Lausanne, **Switzerland**

Scuole

- (Spring 23) Visiting Professor – **Wroclaw University of Science and Technology** (Poland)
Winter School *"Design and Numerical Modelling of Structural Glass"* (15 h, chair Adrian Chajec)
- (Set 2021) Invited Lecture – **University of Trieste** (Training School Manager)
Nell'ambito della Training School 2021 & Workshop "CertBond" della EU-COST Action CA18120 (Set 20-22, 40 Ph.D. Students da vari Paesi europei): *"Experimental identification of post-cracked glass with bonded safety films"*
University of Trieste, Department of Engineering and Architecture, **Italy**
- (Set 2018) Invited Lecture – **University of Belgrade** (Host Prof. A. Krstić-Furundžić)
Nell'ambito della Training School 2018 & Workshop "Adaptive Facade Systems" organizzata da EU-COST Action TU1403 "Adaptive Facades Network" (Set 3-7, 50 Ph.D. Students da vari Paesi europei): *"Identify structural, fire + safety facade performances where adaptive technologies are useful. Life-cycle cost assessment"*
University of Belgrade, Faculty of Architecture, **Serbia**
- (Set 2016) Invited Lecture – **HafenCity University Hamburg** (Host Prof. F. Wellershoff)
Nell'ambito della Training School & Workshop "Adaptive Facade Systems" organizzata da EU-COST Action TU1403 "Adaptive Facades Network" (Set 12-17, 70 Ph.D. Students da Europa + Brasile): *"Identify structural, fire + safety facade performances where adaptive technologies are useful. Life-cycle cost assessment"*
HafenCity University Hamburg (HCU), **Germany**

Scuole (comitato organizzatore)

- (Oct 2022) **Second CERTBOND Training School**, University of Minho, Guimaraes, Portugal (in funzione di Training School Manager con finanziamento della EU-COST Action CA18120)
- (Sept 2021) **First CERTBOND Training School**, University of Trieste, Trieste, Italy (in funzione di Training School Manager con finanziamento della EU-COST Action CA18120)

Altri

- (Giu 2022) Invited Webinar Panelist (1 ora) – **Buildings MDPI** – *"Innovation in Structural Analysis and Dynamics for Constructions"*
- (Mar 2022) Webinar (2 ore) – **Università di Trieste** (con Permasteelisa Group)
"GLASS-SHARD – Numerical analysis of glass facades under soft-body impact"
- (Mar 2022) Webinar (2 ore) – **Università di Trieste** (con EU-JRC Ispra)
"GLASS-SHARD – Numerical analysis of glass facades under blast"
- (Ott 2021) Invited Webinar (1 ora) – **Let Pub / Hindawi** (London, UK)
"The benefits of being involved in a Special Issue – How to maximize the impact of your research"
- (Ott 2021) Invited Webinar (1 ora) – **Imperial College / SFPE London** - Society of Fire Protection Engineers (London, UK) *"Fire endurance analysis for ordinary structural glass elements"*
- (Gen 2019) Seminario – **Università degli Studi di Firenze** (Host Prof. M. Orlando) - DICEA
"Numerical assessment of vibration control systems for multi-hazard design and mitigation of glass curtain walls"
- (Mag 2016) Guest Lecture – **EU Joint Research Centre** (Host Dr. M. Larcher)
Institute for the Protection and Security of the Citizen, JRC-IPSC (Ispra (VA), Italy)
"Design of glass structures under conventional and blast loadings"
- (Mag 2016) Seminario – **Università di Trieste**
Dipartimento di Ingegneria e Architettura
"Progetto di strutture in vetro-acciaio" (8 ore)
- (Mar 2015) Guest Lecture – **Ghent University** (Host Prof. J. Belis)
Department of Structural Engineering, Belgium
"Worked examples on glass structures" (3h), Master Course "Glass and Timber Structures"
- (Mar 2014) Seminario – **Universidade Nova de Lisboa** (Host Dr. F.A. Santos)
FCT-UNL, Faculdade de Ciências e Tecnologia, Departamento de Engenharia Civil, Lisbon, Portugal
"Blast-resisting steel-glass facades and ongoing research at University of Trieste"
- (Mar 2014) Seminario – **University of Coimbra** (Host Dr. S. Jordão)
Department of Civil Engineering, Coimbra, Portugal
"Glass research at University of Trieste"
- (Dic 2013) Seminario – **Università Roma Tre** (Host Prof. G. Salerno)
Dipartimento di Strutture (DiS) – Modeling & Simulation Lab (LaMS), Roma (Italia)
"Problemi di stabilità negli elementi in vetro strutturale"
- (Giu 2013) Seminario – **EPFL-ICOM Lausanne** (Host Dr. C. Louter)
Lausanne, Switzerland

- *"Steel-glass façades under blast loads –Glass research at University of Trieste"*
- (Feb 2019) **Caffè delle Scienze – Trieste**
- *"Vetro nelle costruzioni – Un materiale fragile per strutture robuste"*

Corsi di formazione e seminari tecnici

Feb 2025	Advanced Professional Training (APT) – Corso di formazione <i>"Vetro Strutturale e Facciate Continue: Metodi di Analisi, Modellazione, Verifica"</i> (7 ore) presso CISM – International Centre for Mechanical Sciences (Udine), in collaborazione con BLDing Engineering & Consulting, Gruppo Simeon, Università di Napoli "Federico II"
Feb 2024	Advanced Professional Training (APT) – Corso di formazione <i>"Vetro Strutturale: Metodi di Analisi, Verifica, Diagnostica"</i> (7 ore) presso CISM – International Centre for Mechanical Sciences (Udine), in collaborazione con BLDing Engineering & Consulting
Dal 2023	Webinar (1.5 ore x 3, con rilascio crediti) <i>"Criteri per la progettazione di edifici in acciaio"</i> per Prospecta Formazione , in collaborazione con Tecnaria Spa Sett 2023, Nov 2023, Feb 2024, Giu 2024, Nov 2024
Sett-Ott 2022	Seminari (10 ore) <i>"Progettazione di strutture in acciaio"</i> presso FOREL S.p.A. (Vallio di Roncade, TV)
Dal 2021	Webinar (in inglese, con rilascio crediti) presso ETSOLS "Engineering Training Solutions" (Glasgow, Scotland , https://www.etsols.com/):
	Nov 2024 <i>"Glass structures under blast"</i> (4h)
	Lug 2022, Nov 2023 <i>"Glass structures under blast"</i> (4h)
	Giu 2020, Apr 21, Apr 22 <i>"Design of glass structures"</i> (4h)
	Mag 2021 <i>"Glass structures under blast"</i> (8h)
Ott 2019	Corso di formazione professionale (8 ore) <i>"Progettazione di strutture in vetro"</i> , presso Ordine degli Ingegneri della Provincia di Pordenone (Pordenone)
Set 2019	Corso di formazione professionale (8 ore) <i>"Progettazione di strutture in vetro"</i> , presso Ordine degli Ingegneri della Provincia di Treviso (Treviso)
Nov 2018	Corso di formazione professionale (8 ore) <i>"Progettazione di strutture in vetro"</i> , presso Ordine degli Ingegneri della Provincia di Udine (Udine)
Set-Ott 2017	Corso di formazione professionale (14 ore) <i>"Progettazione di strutture in vetro"</i> , presso Ordine degli Ingegneri della Provincia di Trieste (Trieste)
Set 2017	Corso di formazione professionale (4 ore) <i>"Structural glass: from sketch to the final construction - 1st Edition"</i> , presso CMM-Associacao Portuguesa de Construcao Metalica e Mista (Lisbon, Portugal)

Progetti di ricerca con finanziamento

a) Responsabile scientifico

Mar 2025	MicroGlass2 (Awarded Beamtime - Elettra) Progetto accettato alla linea di luce SYRMEP di Elettra-Sincrotrone (Basovizza, Trieste) sul tema <i>"High temperature cyclic in situ real-time 3D microtomographic measurements of structural laminated glass components"</i> (proposal 20245099, 9 beamtime operational shifts)
Da Gen 2025	KNIGHT (Regione FVG) 24 mesi, budget complessivo 149,000 EUR: <i>"KNIGHT- Knowledge-base for Nile Geo-Hazards Tackling"</i> Progetto Quadro coordinato da OGS-National Institute of Oceanography and Applied Geophysics, e cofinanziato dalla Regione FVG (Legge regionale 30 ottobre 2000, n.19, bando 2024), cui il DIA partecipa come partner, assieme a Shoreline (Italy), NRIAG (Egypt), Damietta University (Egypt), Comune di Lignano Sabbiadoro (Italy)
Sett 2024	MicroGlass (Awarded Beamtime - Elettra) Progetto accettato alla linea di luce SYRMEP di Elettra-Sincrotrone (Basovizza, Trieste) sul tema <i>"High temperature in situ real-time 3D microtomographic measurements of structural laminated glass components"</i> (proposal 20240095, 9 beamtime operational shifts)
Da Lug 2024	CoReng (MAECI - Ministero degli Affari Esteri e della Cooperazione Internazionale) 30 mesi, budget 198,700 EUR: <i>"CoReng - Conservation of the Religions Complex in Old Cairo through the integration of geosciences and earthquake engineering"</i>

Progetto di Grande Rilevanza finanziato nel contesto del programma di cooperazione scientifica tra Italia (Ministero degli Affari Esteri e della Cooperazione Internazionale) ed Egitto (Ministry of Scientific Research of Egypt), in collaborazione con National Research Institute of Astronomy and Geophysics (NRIAG) – Area di ricerca: *New Technologies applied to Cultural and Natural Heritage*

- Da Mar 2024 **FIS 2021** (Fondo Italiano per la Scienza, MUR – Ministero dell'Università e della Ricerca)
60 mesi, budget 910,840 EUR:
"HOPgLAz - Holistic post-breakage characterization for optimized safe design of glass under multi-hazard"
- Da Gen 2024 **3FiRES** (MAECI - Ministero degli Affari Esteri e della Cooperazione Internazionale)
24 mesi, budget 275,000 EUR:
"3FiRES - Research on BIPV Photovoltaic Facades for Fire Spread Mechanisms, Structural Failures and Resilience Improvement Methodologies"
Progetto di grande rilevanza finanziato nel contesto del programma di cooperazione scientifica Cina-MOST tra Italia (Ministero degli Affari Esteri e della Cooperazione Internazionale) e Cina (Ministero della Scienza e della Tecnologia), in collaborazione con University of Science and Technology of China – State Key Laboratory of Fire Science (USTC Hefei) – Area di ricerca: *Green Energy related research*
- Da Apr 2024 **ReLUIS-DPC 2024-2026** (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) – WP12-UR6 “Costruzioni civili e industriali di acciaio, di legno e composte” – Budget 12,834 EUR
- Da Apr 2024 **ReLUIS-DPC 2024-2026** (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) – WP4-UR42 “Mappe di rischio e scenari di danno sismico (MARS)” – Budget 18,722 EUR
- Da Nov 2023 **ShATTER** (European Commission – Joint Research Centre)
Budget 11,250 EUR: *"ShATTER: Development of tools to counter terrorism – Anti-shatter films for near-field blast mitigation"*
- Da Apr 2023 **MICROGRANTS 2022** (Regione FVG LR 2/2011, Art. 4, c. 2, lett. b) - Fondo UniTS per giovani ricercatori under 40)
24 mesi, budget 5,000 EUR:
"ComBioDyn: indagine sperimentale e numerica per la determinazione di parametri bio-meccanici SDOF e fenomeni dinamici di interazione uomo-struttura su sistemi pedonali di nuova generazione"
- Dic 2022-Mar 2024 **ReLUIS-DPC 2022-2024** (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) – WP12 “Contributi normativi relativi a Costruzioni civili e industriali di acciaio e composte acciaio-calcestruzzo” – Budget 9,334 EUR
- Dic 2022-Mar 2024 **ReLUIS-DPC 2022-2024** (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) – WP4 “Mappe di rischio e scenari di danno sismico (MARS)” – Budget 13,616 EUR
- Feb 2022 **FRA2022** (Fondo per la Ricerca di Ateneo, UniTS) – Linea di intervento: Cofinanziamento per l'acquisto di strumenti (H/S) destinati alla ricerca – Budget 8,160 EUR
- Nov 2021-Mar 23 **NEARWIN** (European Commission – Joint Research Centre)
Budget 13,500 EUR: *"Mathematical simulation of effects of near-field detonations on windows"*
- Giu 2020-Feb 22 **MICROGRANTS 2020** (Regione FVG LR 2/2011, Art. 4, c. 2, lett. b) - Fondo UniTS per giovani ricercatori under 40)
20 mesi, budget 3,200 EUR:
"SHARBAR: analisi avanzata e definizione di strumenti per la stima della vulnerabilità di barriere in vetro strutturale esposte a urto"
- Mag 2020-Mar 21 Progetto ISCRA – type B *"Valutazione del rischio sismico a scala urbana attraverso modellazione fisica del moto del suolo"*, per l'utilizzo di risorse di calcolo presso il **CINECA - HPC** (60k ore GALILEO)
- Lug 2020-Ott 21 **FRA2020** (Fondo per la Ricerca di Ateneo, UniTS), finanziamento per progetti di ricerca competitivi, di durata annuale. Linea di intervento B: progetti di ricerca di gruppo (titolare), budget 10,500 EUR:
"MULTIWALL - Analisi e sviluppo di pareti/barriere strutturali trasparenti e multifunzionali"
- Gen 2020 **GLASS-SHARD** - "NUMERICAL SIMULATIONS OF GLASS WINDOWS/FACADES UNDER BLAST LOADING", finanziamento di 12 mesi (budget 30.748,32 EUR) – Posticipato ad Apr 2021-Mar 22

Programma FSE2014/2020 della Regione FVG, per attività di ricerca in collaborazione con Joint Research Centre (Directorate for Space, Security & Migration (SSM) - Safety and Security of Buildings (SSB) Unit di Ispra)

- 2018-19 **FFABR2017** (Fondo per la Ricerca di Ateneo, UniTS), finanziamento di durata biennale per ricercatori attivi (budget 3,000 EUR / ricercatore, assegnato su base competitiva)
- Gen 2017-Dic 2018 **FRA2016** (Fondo per la Ricerca di Ateneo, UniTS), finanziamento per progetti di ricerca competitivi, di durata biennale. Linea di intervento A: progetti di ricerca individuali, finanziati in 3,000 EUR / progetto: *"INVERSE - Identificazione dinamica sperimentale e numerica di elementi in vetro strutturale"*
- Gen-Dic 2014 Principal Investigator – Bando **PO FSE 2007/2013**
Progetto di ricerca: *"Sviluppo di un sistema costruttivo a pannelli in legno lamellare incrociato (x-lam) utilizzando pino marittimo sardo"*
Convenzione di durata biennale (budget 70,000 EUR) tra Regione Sardegna e giovani ricercatori (PI) per la realizzazione di progetti presso imprese con sede legale o operativa nel territorio regionale (PO FSE 2007/2013). Progetto di ricerca interrotto su richiesta, a dicembre 2014), per proposta di chiamata RTDa (non derogabile) presso Università degli Studi di Trieste, Dipartimento di Ingegneria e Architettura

b) Responsabile scientifico di incarichi esterni / consulenze

- Da Gen 2025 Referente scientifico per Accordo Quadro tra DIA-UniTS e Fondazione "So.Co.B.A." – Società per la conservazione della Basilica di Aquileia, volto al monitoraggio, alla diagnostica strutturale non invasiva e all'impiego di nuove tecnologie per analisi strutturale di vetrate esistenti.
- Giu 2024-Dec 2024 Collaborazione scientifica: "Studio del comportamento strutturale dinamico di coperture e facciate in vetro-acciaio di grande luce, per effetto dell'azione del vento: Stazione di Campo Marzio a Trieste" – SMStrutture, **Italy** [Conto Terzi, 6 kEur]
- Giu 2024-Dec 2024 Collaborazione scientifica: "Modelling and Simulation of Adhesive Bonds by means of FEA" – Frederick University, Department of Mechanical Engineering, **Cyprus** [Conto Terzi, 7.5 kEur]
- Set 2023-Mar 2024 Collaborazione scientifica: "Blast and Fire Resistant Materials" (BAM) – Frederick University, Department of Mechanical Engineering, **Cyprus** [Conto Terzi, 7.5 kEur]
- Feb 2023 Convenzione di ricerca con Consiglio Nazionale delle Ricerche – Istituto per la BioEconomia (**CNR-IBE**): "Sistemi strutturali in legno dissipativi ed auto-centranti" [DIA UniTS, collaborazione avviata dal prof. C. Amadio]
- Ago 2021-Mar 22 MULTI-GLASS – Analisi multi-obiettivo di pannelli di facciata e parete in vetro strutturale [DIA UniTS, conto terzi - Seretti Vetroarchitetture]
- Lug-Ott 2020 Studio numerico di tecniche di rinforzo per pile di viadotti in cemento armato in condizioni di carico SLE e SLU [DIA UniTS, conto terzi – Studio ing. Rizzo]
- Dic-Gen 2020 Indagini teorico-numeriche sul comportamento strutturale e fessurativo di pile per viadotti in cemento armato in condizioni SLE e SLU [intra moenia – SPIC INTERNATIONAL]
- Lug-Ago 2019 Indagini teorico-numeriche sul comportamento di mensole tozze di pilastri prefabbricati in cemento armato, in assenza e in presenza di sottomensole di rinforzo realizzate in opera [intra moenia – CERVET]
- Feb-Apr 2019 Studio delle prestazioni termo-meccaniche di lame in vetro stratificato con rinforzi in acciaio per facciate strutturali in condizioni climatiche sfavorevoli [intra moenia – ST Facade Technology]
- Gen-Dic 2018 SAFETY GLASS - Sviluppo e validazione di un software di calcolo per la progettazione di elementi in vetro strutturale [DIA UniTS, conto terzi - Seretti Vetroarchitetture]
- Mar-Lug 2017 Supporto all'implementazione e validazione di software di calcolo per la progettazione di strutture in legno di tipologia 'log-haus' [DIA UniTS, conto terzi - Kipendoff Engineering]

c) Partecipante unità locale

- Ott 2019-Mag 2020 Vulnerabilità sismica di edifici siti nel Comune di Gorizia (Comune di Gorizia) [DIA Units]
- Mag 2018- Lug 2020 Analisi dell'esistente, sviluppo di appositi tools di calcolo e prototipizzazione di nuovi pannelli in acciaio-poliuretano [DIA UniTS, conto terzi - Isopan]
- Apr-Nov 2015 Ottimizzazione strutturale di ponteggi in alluminio [DIA UniTS, conto terzi Pilosio]
- Mag-Set 2014 Stabilità di pareti in legno 'Blockhaus' sottoposte a carichi di compressione nel piano [DIA UniTS, conto terzi Rubner Haus]
- Dal 2008 al 2022, partecipa inoltre come componente di unità locale a progetti di ricerca nazionali, tra i quali:
- ReLUIIS-DPC 2022-2024, WP12 (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) - "Contributi normativi relativi a Costruzioni civili e industriali di acciaio e composte acciaio-calcestruzzo"

- ReLUIS-DPC 2022-2024, *WP4* (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) - “Mappe di rischio e scenari di danno sismico (MARS)”
- ReLUIS-DPC 2019-2021, *WP12* (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) - “Contributi normativi relativi a Costruzioni civili e industriali di acciaio e composte acciaio-calcestruzzo”
- ReLUIS-DPC 2019-2021, *WP4* (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS) - “Mappe di rischio e scenari di danno sismico (MARS)”
- ReLUIS-DPC 2014-18, *PR3* “*Strutture in acciaio & composte acciaio calcestruzzo*” (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS)
- ReLUIS-DPC 2014-18, *PR4* “*Strutture in legno*” (Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniSS/UnivAQ)
- ReLUIS-DPS 2010-13, *PR3* “*Strutture in acciaio & composte acciaio calcestruzzo*” Dipartimento della Protezione Civile – Rete dei Laboratori Universitari di Ingegneria Sismica; unità di ricerca UniTS)

Inoltre:

Dal 2021	Componente dell’unità di ricerca locale UNITS che collabora, in convenzione triennale, con il Consorzio FABRE – Consorzio di ricerca per la valutazione ed il monitoraggio di ponti, viadotti e altre strutture (https://consorziofabre.it/it)
2015-16	Collaborazione (analisi numerica avanzata ad Elementi Finiti) a supporto delle attività del <i>Project CEN/TC 250/SC4 "Design of Composite Steel and Concrete Structures"</i> - “ <i>SC4.PT3 - Revised Rules for Connection in Composite Beams Using Modern Profiled Decking</i> ” incaricato della revisione dell’Eurocodice 4 (EN 1994-1-1) - strutture composte acciaio-calcestruzzo. Coordinatore: prof. C. Odenbreit (University of Luxembourg, Faculty of Science, Technology and Communication (FSTC), Luxembourg)
Gen-Lug 2016	REGIONE FVG - LR 47/78 Progetti di ricerca e sviluppo - Working Group member per progetto "Seismic resistant hybrid steel-concrete structures", Task= "Experimental testing and FE numerical analysis"
2008	Collaborazione al progetto "Advanced Finite-Element analysis of steel-glass facades under blast loads" [DIA UniTS, conto terzi Permasteelisa]

d) Partecipante “ore uomo”

Conclusi

Gen 20-Nov 24	Project member per " HRZZ - ARES " Progetto: " <i>ARES - Assessment and rehabilitation of existing structures - Development of contemporary methods for masonry and timber structures</i> " Periodo: da gennaio 2020 – 60 mesi Finanziatore: HRZZ Croatian Science Foundation (http://www.hrzz.hr) Budget: 2.500,000 EUR Project Leader: Dr. Mislav Stepinac, University of Zagreb (Croatia)
Dic 18-Dic 21	Project member per " DST & IC-IMPACT " Joint Bilateral Award " <i>Improving Occupant Survivability in Buildings during Fires Using Innovations in Structural Engineering, Materials Science and Cyber-Physical Interfaces</i> " Project Leaders: Prof. Ajitanshu Vedrtnam (Invertis University, Bareilly, Uttar Pradesh, India) & Prof. Maged Youssef (Western University, Canada) Finanziatori: DST = Department of Science and Technology, Ministry of Science, India IC-IMPACTS (Indo-Canadian Centre for Innovative Multidisciplinary Partnership to Accelerate Community Transformation and Sustainability) Progetto: " <i>Improving Fire Safety of Structures through the Development of Fire Retardant Laminated Glass</i> " Budget: 100,000 EUR (2.400,000 INR + 60,000 CAD)
Dic 18-Ott 19	Project member per " Smart Housing Småland " Progetto: " <i>Safe and durable timber-glass building components</i> " Periodo: 15 dicembre 2018 - 15 ottobre 2019 Finanziatore: Smart Housing Småland (http://smarthousing.nu/en) Budget: 35,000 EUR (360,000 SEK) Project Manager: RISE - Research Institutes of Sweden (Sweden)
Mar 10-Set 12	Componente Unità Locale UniTS (4 mesi) per Progetto PRIN 2008 Progetto: " <i>Analisi sismica probabilistica e monitoraggio di torri per aerogeneratori di grandi dimensioni</i> " Finanziatore: MIUR bando PRIN 2008 - Budget: 204,102 EUR Coordinatore Scientifico: Prof. C. Borri (UniFI) - Responsabile Scientifico UniTS: Prof. S. Noè

Borse, premi

a) Finanziamento per Mobilità Internazionale

Erasmus + / KA1 Teaching Staff Mobility Grant

Per visite "teaching staff" con attività didattica:

2020	Ghent University, Ghent (Belgium) – <i>annullata causa Covid-19</i>
Mag 2019	DTU - Technical University of Denmark (Denmark)
Apr 2017	Cambridge University (United Kingdom)

Per visite brevi:

2020	Dresden University, Dresden (Germany) – <i>annullata causa Covid-19</i>
Mag 2018	Delft University of Technology - TU Delft (The Netherlands)
Mar 2016	Delft University of Technology - TU Delft (The Netherlands)
Mag 2015	University of Coimbra (Portugal)
Mar 2015	Ghent University (Belgium)

EU-COST STSM Grant (attività di ricerca)

Premi atti a finanziare Short-Term Scientific Missions (STSMs):

Gen 2022	[EU-COST Action CA18120] University of Zagreb (Croatia)
Set 2021	[EU-COST Action CA18120] University of Trieste (Italy) – "CertBond" Training School
Gen 2020	[EU-COST Action CA18120] University of Zagreb (Croatia)
Apr 2019	[EU-COST Action CA17107] University of Zagreb (Croatia)
Apr 2018	[EU-COST Action TU1403] RISE-Research Institutes of Sweden, Göteborg (Sweden)
April 2016	[EU-COST Action TU1403] Cambridge University, Cambridge (United Kingdom)
Mar 2014	[EU-COST Action TU0905] University of Coimbra, Coimbra, Portugal
Giu 2013	[EU-COST Action TU0905] Ecole Polytechnique Fédérale (EPFL)-ICOM Steel Structures Laboratory, Lausanne (Switzerland)
Set 2012	[EU-COST Action TU0905] Ghent University- Laboratory for Research on Structural Models (LMO), Ghent (Belgium)

COST Grant for Early stage Researchers

Dic 2013	[EU-COST Action TU0905] Premio atto a finanziare la partecipazione all' "ESR Workshop & Networking Event", 3-5 febbraio 2014, EPFL-ICOM di Losanna (Switzerland)
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b) Premi "Best Paper"

Riviste Internazionali

- (Mar 2023) **Buildings 2021 Best Paper Award**
Vincitrice (terza classificata) con il contributo: "*Facial Expression-Based Experimental Analysis of Human Reactions and Psychological Comfort on Glass Structures in Buildings*", **Buildings**, 2021, 11(5), 204;
<https://doi.org/10.3390/buildings11050204>

Conferenze Internazionali

- (Gen 2024) **Extrica-Vibroengineering "Best Conference Paper 2023" (co-autore)**
Per il contributo: N. Cella, C. Bedon (2023), "*Role of secondary components in the numerical analysis and in-plane seismic performance assessment of glass curtain walls*", *Vibroengineering Procedia*, 50: 35-41,
<https://doi.org/10.21595/vp.2023.23453>
- (Apr 2018) **Premio COST-ITC per giovani ricercatori [grant COST-ITCCG-TU1403-183] (co-autore)**
Nell'ambito della Conferenza Internazionale "PT2018 – 5th International Academic Conference on Places and Technologies 2018", Apr 26-27, University of Belgrade (Serbia), il Dr. M. Kozłowski (Silesian University, Poland) riceve un premio COST (www.cost.eu) riservato a giovani ricercatori già coinvolti in COST Actions (TU1403 "Adaptive Facades Network"), per la presentazione orale dell'articolo: "*Structural aspects of adaptive facades*" di M. Kozłowski, C. Bedon, K. Machalicka, T. Wuest, D. Honfi (pp. 493-499, ISBN 978-86-7924-199-3)
- (Lug 2014) **GlassCon Global Young Researchers Award**
Nell'ambito della conferenza "GlassCon Global – Innovation in Glass Technology", Lug 7-10, Philadelphia, PA, Pennsylvania Convention Center, riceve un premio per giovani ricercatori, per la presentazione orale dell'articolo: "*Structural stability of compressed monolithic and laminated glass elements under blast loads*" di C. Bedon, C. Amadio, A. Sinico
- (Giu 2012) **COST Conference Grant for Early Stage Researchers [EU-COST TUD Domain]**
Nell'ambito della Conferenza Internazionale "Challenging Glass 3, International Conference on the Architectural and Structural Applications of Glass", Giu 28-29, TU Delft (The Netherlands), riceve un premio per giovani ricercatori, per la

presentazione orale dell'articolo: *"Analytical approaches for buckling verification of in-plane loaded laminated glass columns and panels"* di C. Amadio, C. Bedon

Conferenze Nazionali

- (Giu 2021) **Premio AGLC – Associazione per la Geofisica Licio Cernobori (co-autore)**
Nell'ambito del 39° Convegno Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida, Trieste (online), viene assegnato alla Dott.ssa S. Mattei un premio per giovani ricercatori, per la presentazione orale dell'articolo (tema 2 "Caratterizzazione sismica del territorio", sessione 2.3 "Strumenti e azioni per la mitigazione del rischio sismico"): *"Analytical fragility method to assess seismic behaviour of glass panels"* di S. Mattei, C. Bedon
- (Nov 2017) **Premio AGLC – Associazione per la Geofisica Licio Cernobori**
Nell'ambito del 36° Convegno Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida, 14-16 Novembre 2017, Trieste, riceve un premio per giovani ricercatori, per la presentazione orale dell'articolo (tema 2 "Caratterizzazione sismica del territorio", sessione 2.3 "Strumenti e azioni per la mitigazione del rischio sismico"): *"Seismic Hazard Mitigation of Multi-Storey Buildings Via Vibration Control Systems"* di C. Bedon, C. Amadio
- (Nov 2016) **Premio AGLC – Associazione per la Geofisica Licio Cernobori (co-autore)**
Nell'ambito del 35° Convegno Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida, 22-24 Novembre 2016, Lecce, viene assegnato al Dott. C. Chisari un premio per giovani ricercatori, per la presentazione orale dell'articolo (tema 2 "Caratterizzazione sismica del territorio", sessione 2.3 "Strumenti e azioni per la mitigazione del rischio sismico"): *"Optimal design of FRP retrofitting for seismic resistant RC frames"* di C. Chisari, C. Bedon
- (Nov 2014) **Premio AGLC – Associazione per la Geofisica Licio Cernobori**
Nell'ambito del 33° Convegno Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida, 25-27 Novembre 2014, Bologna, Palazzo della Regione, riceve un premio per giovani ricercatori, per la presentazione orale dell'articolo (tema 2 "Caratterizzazione sismica del territorio", sessione 2.3 "Strumenti e azioni per la mitigazione del rischio sismico"): *"Structural monitoring and seismic analysis of a base-isolated bridge in Dogna"* di C. Bedon, A. Morassi

c) Premi e riconoscimenti per Conferenze Internazionali (invited speaker)

- (Mag 2014) **COST Conference Grant for Early Stage Researchers [EU-COST-FPS]**
Nell'ambito della "COST Action FP1004 Conference – Experimental Research in Timber", Mag 21-23, CTU Prague, Czech Republic, riceve un finanziamento per giovani ricercatori (FPS COST Action FP1004 "Enhance mechanical properties of timber, engineered wood products and timber structures"), per la presentazione orale dell'articolo: *"Buckling behaviour of 'Blockhaus' timber walls under in-plane vertical loads"* di C. Bedon, M. Fragiaco, C. Amadio, A. Battisti
- (Mar 2013) **COST Conference Grant for Early Stage Researchers [EU-COST FPS Domain]**
Nell'ambito dell'8° Conferenza Internazionale FTP "Inspiring Horizons-A new Strategic Research and Innovation Agenda for the Forest-based Sector", Mar 11-13, Barcellona, Spagna – COST-FTP Young Researcher's Forum "Young Researchers direct the way to Innovation in the Forest-based Sector", riceve un premio per giovani ricercatori, atto a finanziare la presentazione del poster: *"Prediction of the seismic response of 'Blockhaus' shear walls under in-plane cyclic loads by means of experimental investigations and numerical simulations"* di C. Bedon, M. Fragiaco, C. Amadio, C. Sadoch, A. Battisti

d) Premi per Tesi di Laurea (supervisore)

- (Dic 2024) **Premio Amadio 2024 (seconda edizione)**
Supervisore per il candidato Nicola Cella (primo classificato):
"Analisi numerica di una facciata continua vetrata soggetta ad azione sismica"
- (Nov 2024) **Premio Invernizzi 2024 (quarta edizione)**
Supervisore per il candidato Ricardo Del Bello (primo classificato):
"Fattore di comportamento per telai controventati soggetti a sequenze sismiche" (dr. M. Fasan, ing. G. Smiroldo)

e) Premi e riconoscimenti per attività di ricerca

- | | |
|-------------|--|
| Gen 2021 | Buildings 2020 Young Investigator Award
Vincitrice del premio finanziato dalla rivista Buildings (Q1 - MDPI Basel, CH) dedicato a ricercatori under 40 (max 10 anni dal PhD) operativi nel settore delle costruzioni e che abbiano contribuito con la propria ricerca in modo innovativo ed eccellente: <i>"2020 Buildings Young Investigator Award: Announcement and Interview with the Winner"</i> , Buildings , 2021, 11(2), 39; https://doi.org/10.3390/buildings11020039 |
| Da Ott 2022 | Top Italian Women Scientist (TIWS)
Per la sezione "Engineering", rank #25, https://topitalianscientists.org/top-italian-women-scientists |

- Dal 2019 **Worldwide Top Scientist (2%)**
Da uno studio svolto dall'Università di Stanford (US) emerge che l'impatto della ricerca svolta negli anni 2019, 2020, 2021, 2022, 2023 rientra nei "Top Scientists" dell'anno. Lo studio ha incluso circa 7 milioni di autori internazionali, operativi in 22 diversi settori di ricerca e 179 sub-settori (Engineering > Civil Engineering > Building & Construction)
- Da Ago 2021 **Top Italian Scientist (TIS)**
Per la sezione "Engineering > Civil", <https://www.topitalianscientists.org/home>
"Più che una classifica, si tratta di un censimento degli scienziati e scholars di maggior impatto, misurato con il valore di h-index, che rappresenta un numero che racchiude sia la produttività che l'impatto della produzione culturale o scientifica di una persona basato sulle citazioni ricevute. Ma ha dei limiti poiché, in particolare, la frequenza di citazioni varia nei vari campi del sapere, e risulta massima nella fisica delle particelle e certe aree biomediche come l'immunologia. La lista che presentiamo non deve essere quindi interpretata come comparazione assoluta del valore dei vari scienziati e studiosi, soprattutto fra le materie diverse riportate come 'area' nella tabella."
- Giu 2021 **Highly Cited Researcher – AD Scientific Index 2021**
Nei Top 100,000 (di oltre 700,000) per 5 year i10-index (<8%), 5 year H-index (<12%), e i10-index (<12%), in base a Google Scholar + Alper-Doger method (<https://www.adscientificindex.com/>).

f) Altri riconoscimenti per attività di ricerca e/o editoriale

- Nov 2025 **PLATINUM** Aziende & Protagonisti / **PLATINUM** Business Leaders+ Gruppo Sole 24 ore (1 pagina)
- Sett 2023 **Friulana del mese – Realtà Industriale** (volume sett-ott 2023) Confindustria Udine
- Mar 2022 **Buildings Editor's Recommended Reading**
Partecipa su invito al Blog curato dalla casa editrice MDPI come "Excellent Contributor" per la rivista Buildings (Q1) – <https://mp.weixin.qq.com/s/MVAF7nTRjX1qTNXE-HwckKQ>
- Giu 2021 **INWED 2021 Guest**
Partecipa su invito al Blog curato dalla casa editrice Hindawi dedicato a celebrare la giornata del 23 giugno 2021 – INWED 2021 – International Women in Engineering Day, tramite interviste ad alcune donne attive nel settore dell'ingegneria e della ricerca (<https://www.hindawi.com/post/honoring-engineering-heroes/>)
- Mar 2020 **SCIPUB Featured Editor**
Per la rivista SGAMR – International Journal of Structural Glass and Advanced Materials Research pubblicata da Science Publications (<https://thescipub.com/sgamr>)
- Sett 2019 **Intelligent Glass Solutions (IGS) Magazine**
Autumn 2019 Issue: *"This issue features a number of the world's foremost figures in the architectural glass and facade engineering industries"*
Contributo editoriale dedicato dalla rivista IGS Magazine (www.igsmac.com) e incluso nel volume a tema "WOMEN SHAPING OUR WORLD"
- Dal 2017 **WOS/Clarivate Top Reviewer (< 1%)**
Nelle sezioni "Engineering" (2017, 18, 19), "Materials Science" (2018, 19) e "Cross-Field" (2019)
- Dal 2014 **Outstanding Reviewer – ELSEVIER**
Riconoscimento ottenuto come Referee per la rivista internazionale Engineering Structures, per le revisioni svolte (in quantità compresa entro il 10° percentile di tutte le revisioni della rivista negli ultimi 2 anni). Alcune riviste per le quali è stato ottenuto il riconoscimento: Engineering Structures (5y IF= 2.64), Fire Safety Journal (5y IF= 1.72), Composite Structures (5y IF= 4.19), Composites Part B (5y IF= 4.65), Computers and Structures (5y IF= 3.18), Construction and Building Materials (5y IF= 3.71), Journal of Building Engineering, Soil Dynamics and Earthquake Engineering (5y IF= 1.91), e altre riviste

Partecipazione a Conferenze / Workshop Internazionali e Nazionali

Come relatore:

2024

1. (invited speaker) **IPV – International Integrated Photovoltaic Conference**, Nov 28, Firenze, **Italy**
2. (plenary speaker) **3FIRES Workshop**, Ott 7, Trieste, **Italy**

2023

3. (keynote speaker) 64th JVE International Conference on **VIBROENGINEERING**, Sept 21-22, Trieste, **Italy**

2022

1. **ASEC 2022** – 3rd International Electronic Conference on Applied Sciences (online)
2. (plenary speaker) **ICCECIP 2022** – 4th International Conference on Central European Critical Infrastructure Protection, Nov 17-18, Budapest, **Hungary** (online)
3. EWSHM 2022 - European Workshop on Structural Health Monitoring, July 4-8, Palermo, **Italy**
4. (invited speaker) NATO (SPS) Science for Peace and Security Programme - **“Soft Target Protection”** Advanced Training Course (ATC) “Monitoring and Protection of Critical Infrastructure by Unmanned Systems”, May 30-Jun 5, Chisinau, **Moldova** (online)
5. (invited speaker) **SeismiCON 2022** – 3rd International Conference on Seismic Design and Analysis of Structures and Foundations, May 26-27, London, **United Kingdom** (online)

2021

6. (invited speaker) **ICCECIP 2021** – 3rd International Conference on Central European Critical Infrastructure Protection, Nov 15, Budapest, **Hungary** (online)
7. (invited speaker) **SATCIP 2021** – Security-related advanced technologies in critical infrastructure protection – NATO SPS ARW, Aug 24-25, Budapest, **Hungary** (online)
8. (keynote speaker) **ICMS 2021** – 14th International Conference on Metal Structures, Giu 16-18, Poznan, **Poland** (online)
9. **ASFE21** - 7th International Conference on Applications of structural fire engineering, Giu 9-11, Ljubljana, **Slovenia** (online)
10. **EDES 2021** – Extraordinary Dynamic Experiments and Simulations, Mar 12, Zilina, **Slovakia** (online)

2020

11. (invited speaker) **ARES Workshop** – 1st International Workshop, Dic 10-11, Zagreb, **Croatia** (online)
12. **ieCAT2020** - 1st International Electronic Conference on Actuator Technology: Materials, Devices and Applications, Nov 23-26, MDPI Switzerland (online)
13. (invited speaker) **ICCECIP 2020** – 2nd International Conference on Central European Critical Infrastructure Protection, Nov 17-18, Budapest, **Hungary** (online)
14. **GCG2020 VE** – Innovation in Glass Technology Virtual Event, Set 8-9, Oakbrook Terrace, Illinois, **USA** (online)
15. (invited speaker) **VETROLIGNUM Project** – 3rd Workshop , Feb 18, Zagreb, **Croatia**

2019

16. (invited plenary speaker) **ICCECIP 2019** – 1st International Conference on Central European Critical Infrastructure Protection, Nov 18-19, Budapest, **Hungary**
17. Textile Innovation for Building and Living – European Exchange Meeting and Seminar for Research and Industry, Ott 15-16, Frankfurt am Main, **Germany**
18. XVIII Convegno **ANIDIS** – L’Ingegneria Sismica in Italia, Set 15-19, Ascoli Piceno, **Italy**
19. 38th International **JVE Conference** – Vibration Engineering – Problems and Applications, Giu 7-8, Roma, **Italy**
20. (invited speaker) **VETROLIGNUM Project** - 2nd Workshop , Feb 15, Zagreb, **Croatia**

2018

21. 37° Conferenza Nazionale **GNGTS** – Gruppo Nazionale di Geofisica della Terra Solida, Nov 19-21, Bologna, **Italy**
22. NATO (SPS) Science for Peace and Security Programme - **“Soft Target Protection”** Advanced Research Workshop (ARW), Ott 17-19, Prague, **Czech Republic**
23. Final Conference - **COST Action FP1404** “Fire Safe Use of Bio-Based Building Products”, Ott 1-2, Zürich, **Switzerland**

24. **ERNICIP Workshop internazionale** "Development of Guidance on Explosion Risk Assessment and Improvement of Blast Testing Standards", Giu 12-13 - JRC Ispra (VA), Italy (organizzato da European Research Network for Critical Infrastructure Protection - Thematic Group "Resistance of Structures to Explosive Effects)
25. "Timber frame assemblies - Evaluation of new design models in fire conditions" **Expert Meeting & Workshop**, Mag 24-25, Catania, **Italy**
26. **Challenging Glass 6** - International Conference on the Architectural and Structural Application of Glass, Mag 17-18, TU Delft, **The Netherlands**

2017

27. 36° Conferenza Nazionale **GNCTS** – Gruppo Nazionale di Geofisica della Terra Solida, Nov 14-16, Trieste, **Italy**
28. **NEXT Facades Conference** - COST Action TU1403 "Adaptive Facades Network" Mid-Term Conference, Nov 7, Munich, **Germany**
29. **SAFE2017** - 7th International Conference on Safety and Security Engineering, Sett 6 - 8, Roma, **Italy**
30. "CLT - The way to standardization - Definition of gaps" **Expert Meeting & Workshop**, Mar 9-10, Zurich, **Switzerland**

2016

31. "Fire safe use of timber concrete composite structures" **Expert Meeting & Workshop**, Nov 15-16, Ljubljana, **Slovenia**
32. "Adaptive Facades Systems" **Training School & Workshop**, Set 12-17, Hamburg, **Germany**
33. **WCTE 2016** – World Conference on Timber Engineering, Ago 22-25, Vienna, **Austria**
34. **Challenging Glass Conference 5** – International Conference on the Architectural and Structural Application of Glass, Giu 16-17, Ghent, **Belgium**

2015

35. 34° Conferenza Nazionale **GNCTS** – Gruppo Nazionale di Geofisica della Terra Solida, Nov 17-19, Trieste, **Italy**
36. EU-COST Action TU1403 "Adaptive facades network" **Industry Workshop**, Set 16-17, Delft, **The Netherlands**
37. **2nd INTER meeting** – International Network on Timber Engineering Research, Ago 24-27, Šibenik, **Croatia**

2014

38. 33° Conferenza Nazionale **GNCTS** – Gruppo Nazionale di Geofisica della Terra Solida, Nov 25-27, Bologna, **Italy**
39. **GlassCon Global** – Innovation in Glass Technology, Lug 7-10, Philadelphia (**USA**), Pennsylvania Convention Center
40. **COST Action FP1004 Conference** – Experimental Research with Timber, Mag 21-23, CTU Prague, **Czech Republic**
41. **Challenging Glass 4 & COST Action TU0905 Final Conference**, Feb 6-7, Lausanne, **Switzerland**

2013

42. 32° Conferenza Nazionale **GNCTS** – Gruppo Nazionale di Geofisica della Terra Solida, Nov 19-22, Trieste, **Italy**
43. XV° Conferenza **ANIDIS** - L'Ingegneria Sismica in Italia, Giu 30-Lug 4, Padova, **Italy**
44. **COST Action TU0905 Mid-term Conference on Structural Glass**, Apr 18-19, Porec, **Croatia**
45. **COST-FTP Young Researcher's Forum 2013** "Young Researchers Direct the Way to Innovation in the Forest-Based Sector", Mar 11-12, Barcelona, **Spain**

2012

46. **Challenging Glass 3**, International Conference on the Architectural and Structural Applications of Glass, Giu 28-29, Delft, **The Netherlands**

2011

47. XXIII **C.T.A.** – Italian Steel Conference, Ott 9-12, Lacco Ameno, Ischia, **Italy**

2010

48. XXV **ATIV** International Conference: Glass – When Technology Meets Design, Nov 18-19, Parma, **Italy**
49. **Workshop Handling Exceptions in Structural Engineering**: Sistemi Strutturali, Scenari Accidentali, Complessità di Progetto, Lug 8-9, Roma, **Italy**

Dal 2014, partecipa inoltre come International Advisory Committee, o Member & Member of Congress, Session Chair per varie Conferenze e Workshop, tra le quali:

2025

- (Special Session Chair) **SEMC 2025** – Ninth International Conference on Structural Engineering, Mechanics and Computation, Sep 1-3, Cape Town, **South Africa**

2024

- (Chair) **3FiRES Workshop**, Ott 7, Trieste, **Italy**
- (Technical Committee member) **CTA 2024** – National CTA Conference, Sep 26-28, Milano, **Italy**
- (Technical Committee member) **ICEAI 2024** – International Conference on Automation Engineering and Artificial Intelligence, Sep 21-22, Shanghai, **China**
- (Session Chair) **STESSA** - The 11th International Conference on the Behaviour of Steel Structures in Seismic Areas, Jul 8-10, Salerno, **Italy**
- (Scientific Committee member) **ICC 2024** – Aicap-CTE Italian Concrete Conference, Jun 19-21, Firenze, **Italy**
- (Scientific Committee member) **CGC9** – Challenging Glass Conference 9, Jun19-20, Delft, **Netherlands**
- (Scientific Committee member) **SeismiCON** – 5th International Conference on Seismic Design and Analysis of Structures and Foundations, Jun 20-21, **United Kingdom**
- (Scientific Committee member) **16th International Symposium on the Human Induced Vibrations and Seismic Influences on Structures**, May 22-24, Cracow University of Technology (CUT), Cracow, **Poland**
- (Chair) **Strutture in acciaio e composte acciaio-calcestruzzo: sviluppi recenti e nuove sfide**, presso Università di Trieste (15 marzo 2024) – Evento patrocinato ReLUIS
- (Scientific Committee member) **ASFE24** - 8th International Conference on Applications of structural fire engineering, Feb 25-27, Guangxi University, Nanning, **China**

2023

- (Advisory Committee member) **SEC-2023** – 13th Structural Engineering Convention, Dec 7-9, Visvesvaraya National Institute of Technology (VNIT), Nagpur, **India**
- (Scientific Committee member) **ISIE 2023** – 11th International Symposium on Impact, Dec 3-5, Perth, **Australia**
- (Scientific Committee member) **LSCE 2023** – 29th Conference of Lightweight Structures in Civil Engineering, Nov 30-Dec 1, Gdańsk, **Poland**
- (Scientific Committee member) **iNDiS 2023** – 16th International Scientific Conference on Planning, Design, Construction and Building Renewal, Nov 16-17, Novi Sad, **Serbia**
- (Session Chair) **ASEC 2023** – 4th International Electronic Conference on Applied Sciences, Oct 27, online (sessione special E: Environmental, Civil Engineering, and Earth Sciences)
- (Co-Chair) 64th JVE International Conference on **VIBROENGINEERING**, Sept 21-22, Trieste, **Italy**
- (Session Chair) **EVACES 2023** – 10th International Conference on Experimental Vibration Analysis for Civil Engineering Structures, Aug 30-Sep 1, Politecnico di Milano, **Italy** (sessione special SS025: Vibrations in timber structures: a focus on experiments, damage detection techniques, numerical models, open issues)
- (Technical Advisory Panel member) **SeismiCON 2023** – 3rd International Conference on Seismic Design and Analysis of Structures and Foundations. June 14-15, London, **United Kingdom**
- (convenor) **Workshop AGLC dei Giovani Ricercatori**, Gen 31-Feb 1, Trieste, **Italy** (online)

2022

- (Scientific Committee member) **LSCE 2022** – 28th Conference of Lightweight Structures in Civil Engineering, Dec 1-2, Poznan, **Poland**
- (convenor) **Workshop AGLC dei Giovani Ricercatori**, Giu 22-23, Trieste, **Italy** (online)

2021 (online)

- (advisory board) **ICCECIP 2021** – 3rd International Conference on Central European Critical Infrastructure Protection, Nov 15, Budapest, **Hungary**
- (committee member) **SATCIP 2021** - Security-related advanced technologies in critical infrastructure protection - NATO SPS ARW, Aug 24-25, Budapest, **Hungary**
- (advisory board) **ICRISET-2021** – 2nd International Conference on Recent Innovations in Science, Engineering and Technology, Jul 23-24, Invertis University, Bareilly, **India**
- (chairman & committee member) **ICMS 2021** – 14th International Conference on Metal Structures, Giu 16-18, Poznan, **Poland**
- (chairman & committee member) **ASFE21** – 7th International Conference on Applications of structural fire engineering, Giu 9-11, Ljubljana, **Slovenia**
- (convenor) **Workshop AGLC dei Giovani Ricercatori**, Giu 15-16, Trieste, **Italy**
- (committee member) **EDES 2021** – Extraordinary Dynamic Experiments and Simulations, Mar 12, Zilina, **Slovakia**

2020 (online)

33. (advisory board) **ICRISET-2020** – 1st International Conference on Recent Innovations in Science, Engineering and Technology, Set 11-12, Invertis University, Bareilly, **India**
34. (advisory board) **ICCECIP 2020** – 2nd International Conference on Central European Critical Infrastructure Protection, Nov 17-18, Budapest, **Hungary**

2019

35. (advisory board) **ICCECIP 2019** – 1st International Conference on Central European Critical Infrastructure Protection, Nov 18-19, Budapest, **Hungary**
36. (session chair) **38th International JVE Conference** – Vibration Engineering – Problems and Applications, Glu 7-8, Roma, **Italy**
37. (advisory board) **CIP 2019** "International Workshop on Critical Infrastructure Protection", Gen 14-15, University of Zilina, **Slovakia**

2018

38. **ERNICIP Workshop internazionale** "Development of Guidance on Explosion Risk Assessment and Improvement of Blast Testing Standards", Giu 12-13, JRC Ispra (VA), **Italy**
39. NATO (SPS) Science for Peace and Security Programme - "**Soft Target Protection**" Advanced Research Workshop (ARW) (Ott 17-19, Prague, **Czech Republic** - NATO project)
40. NATO (SPS) Science for Peace and Security Programme - Advanced Training Course (ATC) "**Critical infrastructure protection - Best practises and innovative methods of protection**" (Mag 6-12, Universiapolis, Agadir, **Marocco** - NATO project, reference number: SPS.MD.ATG.G5439 - project leader: Military University of Technology, Warsaw, PL), <http://atc-nato.e-polytechnique.ma/index.php>
41. **AMWC 2018** - Advanced Materials World Congress (Feb 4-8, 2018, Singapore, **Republic of Singapore**)

2017

42. **DCEE 2017** - Design in Civil and Environmental Engineering (Nov 9-11, Cagliari, **Italy**), <http://www.dcee2017.org/>
43. **ICSMESP 2017** - International Conference on Structural and Mechanical Engineering for Security and Prevention (Giu 14-16, Prague, **Czech Republic**)
44. **ASAMC 2017** - Asian Advanced Materials Congress (Mar 11-16, Singapore, **Republic of Singapore**)

2015

45. **CEUP 2015** - 4th International Conference on Civil Engineering and Urban Planning (Giu 25-27, Beijing, **China**), <http://www.ceupconf.org/TechnicProgrammeCommittee.html>

2014

46. **PCM 2014** - Global Conference on Polymer and Composite Materials (Mag 27-29, Ningbo, **China**), <http://www.cpcmconf.org/#!home/mainPage>
47. **CEUP 2014** - 3rd International Conference on Civil Engineering and Urban Planning (Giu 20-22, Wuhan, **China**)

È inoltre revisore per varie Conferenze e Workshop internazionali, tra le quali:

- 1) **STESSA** – The 11th International Conference on the Behaviour of Steel Structures in Seismic Areas, Jul 8-10, Salerno, **Italy**
- 2) **CGC9** – Challenging Glass Conference 9, Jun19-20, Delft, **Netherlands**
- 3) **ICC 2024** – Aicap-CTE Italian Concrete Conference, Jun 19-21, Firenze, **Italy**
- 4) **ISEC 12** - Twelfth International Structural Engineering and Construction Conference, August 14-18, 2023, Chicago, Illinois, **USA**
- 5) (Scientific Committee member) **LSCE 2022** – 28th Conference of Lightweight Structures in Civil Engineering, Dec 1-2, 2022, Poznan, **Poland**
- 6) **CGC8** - Challenging Glass Conference 8 - International Conference on the Architectural and Structural Application of Glass, Jun 23-24, 2022, Ghent, **Belgium**
- 7) **ICCSA 2022** – International Conference on Computational Science and its Applications, Jul 4-7, 2022, Malaga, **Spain**
- 8) **EUROSTRUCT2021** – 1st Conference of the European Association on Quality Control of Bridges and Structures, Ago 29-Set 1, 2021, Padova, **Italy**
- 9) **ICMS 2021** – 14th International Conference on Metal Structures, Giu 16-18, 2021, Poznan, **Poland**
- 10) **ASFE21** – 7th International Conference on Applications of structural fire engineering, Giu 9-11, 2021, Ljubljana, **Slovenia**
- 11) **TRANSCOM 2021** – International Scientific Conference on Sustainable, Modern and Safe Transport, Mag 26-28, 2021, High Tatras, Horný Smokovec, **Slovak Republic**
- 12) **CSHM-8** – 8th Civil Structural Health Monitoring Workshop, Mar 29-31, 2021, University of Molise, **Italy**

Incarichi editoriali

- Da Nov 2024 **Associate Editor** per la rivista "Alexandria Engineering Journal" – Elsevier
- Da Nov 2024 **Early Career Editorial Board Member** per la rivista "Results in Engineering" – Elsevier
- 2024 **Executive Guest Editor** per la rivista "Structures" – Elsevier, "Design of steel and composite structures: research developments, trends and challenges", <https://www.sciencedirect.com/journal/structures/about/call-for-papers#design-of-steel-and-composite-structures-research-developments-trends-and-design-challenges>
- Da Mag 2022 **Associate Editor** per la rivista open access "Frontiers in Built Environment" – sezione "Fire Resistant Engineering", <https://www.frontiersin.org/journals/built-environment/sections/fire-resistant-engineering>
- Da Gen 2020 **Associate Editor** per la rivista open access "Advances in Civil Engineering", Hindawi/Wiley
- Da Apr 2017 **Editor-In-Chief** per la rivista open access "International Journal of Structural Glass and Advanced Materials Research", Science Publications, <http://thescipub.com/journals/sgamr>

Editorial Board Member per le seguenti riviste:

- | | |
|-----------|--|
| Dal 2023 | "AIMS Materials Science" – AIMS Press |
| Dal 2022 | "Journal of Asian Scientific Research", AESS - Asian Economic and Social Society |
| Dal 2021 | "Buildings" – Section "Buildings and Structures", MDPI |
| Dal 2020 | "Applied Mechanics and Materials", Trans Tech Publications
"Invertis Journal of Science & Technology", Invertis University |
| Dal 2019 | "Applied Sciences" – Section "Civil Engineering", MDPI |
| 2017-2020 | "Advances in Civil Engineering", Hindawi/Wiley |
| 2018-2024 | "Mathematical Problems in Engineering", Hindawi/Wiley |
| Dal 2018 | "Glass Structures & Engineering", Springer
"Smart Science" – Section "Smart Chemistry and Materials", Taylor & Francis Online
"The Open Civil Engineering Journal", Bentham Open |
| Dal 2015 | "Sustainable Buildings", EDP sciences |
- 2016-2017 **Associate Editor** per la rivista Journal of Applied and Computational Mechanics Shahid Chamran University, <http://jacm.scu.ac.ir/>
- 2014-17 **Associate Editor** per la rivista open access American Journal of Engineering and Applied Sciences ISSN 1941-7020 (print), 1941-7039 (online), Science Publication

È inoltre stata Guest Editor e/o Lead Guest Editor per numerosi special issues.

Revisore

Dal 2011, collabora quale peer-reviewer (<https://publons.com/author/493821/chiara-bedon#profile>) per riviste scientifiche internazionali (oltre 60), tra le quali:

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Elenco delle pubblicazioni scientifiche

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