

Curriculum Scientifico

Dott. Ing.

Chiara Bedon



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Indirizzo (ufficio): Università degli Studi di Trieste, Dipartimento di Ingegneria e Architettura
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Qualifica SSD RTD(a) (dal 23/12/2014 - in proroga da 23/12/2017)
ICAR/09 Tecnica delle costruzioni

Sintesi

ASN **Seconda fascia 08/B3:** abilitazione conseguita il 31/03/2017 (5/5 giudizi positivi)

Indici bibliometrici (aggiornati a data CV - non normalizzati) da Scopus e Google Scholar, con [minimi richiesti per il settore concorsuale]:

Numero di pubblicazioni scientifiche=	<u>97</u> (72 su rivista)		[3]
Numero di citazioni=	<u>669</u>	949	[35]
h-index=	<u>17</u>	33	[4]

Ricerca

Dal 2009 ad oggi, svolge ricerca in modo continuativo presso vari enti (Università di Trieste, Università di Sassari, Principal Investigator PO FSE - Regione Sardegna). Dal 2014, RTDa presso Università di Trieste (UniTS, DIA).

Le principali tematiche affrontate riguardano l'analisi numerica avanzata ad Elementi Finiti e il comportamento di strutture in vetro e ibride vetro-acciaio, vetro-FRP, strutture in legno, composte acciaio-calcestruzzo e legno-calcestruzzo, l'analisi e ottimizzazione di sistemi strutturali in condizioni di carico eccezionali (esplosioni, sisma, fuoco).

Dal 2010 collabora a numerose attività di ricerca con Università estere e nazionali, tra le quali: RISE Research Institutes of Sweden (SE); University of Žilina (SK); University of Luxembourg (LU); Curtin University (WA, AUS); La Trobe University (VIC, AUS); Silesian University of Technology (PL); Poznan University of Technology (PL); Delft University of Technology (NL); Cambridge University (UK); Czech Technical University of Prague (CZ); New University Lisbon (PT); University of Coimbra (PT); Ghent University (BE), EPFL-ICOM, Lausanne (CH), Università di Cagliari (IT), Università di Sassari (IT), Università dell'Aquila (IT), Università di Udine (IT).

Dal 2010 partecipa come relatore a conferenze internazionali e nazionali.

Autrice, con più di 60 co-autori internazionali, di 180 pubblicazioni, tra le quali: 90 articoli pubblicati in riviste, 60 in atti di convegno, 2 capitoli di libro, 1 cover di rivista internazionale, vari documenti tecnici e linee guida.

Ha partecipato alla stesura del documento tecnico CNR DT-210/2013 *“Istruzioni per la Progettazione, l’Esecuzione ed il Controllo di Costruzioni con Elementi Strutturali di Vetro”*. Ha inoltre partecipato alla stesura della revisione per il documento CNR DT-206-R1/2018 *“Istruzioni per la Progettazione, l’Esecuzione ed il Controllo di Costruzioni con Elementi Strutturali in Legno”*.

Dal 2010 svolge attività editoriale come revisore, editorial board member, associate editor e lead guest editor per numerose riviste internazionali ISI e/o open access.

Editor-In-Chief, da aprile 2017, per la rivista open access *“International Journal of Structural Glass and Advanced Materials Research”*.

Dal 2014, è International Advisory Committee Member per Conferenze e Workshop Internazionali.

Nel 2018 partecipa come committee member & invited author all’Advanced Research Workshop (ARW) *“Soft Target Protection”* (Prague, CZ - NATO reference number: Project SPS.ARW.G5524) e all’Advanced Training Course (ATC) *“Critical infrastructure protection - Best practises and innovative methods of protection”* (Universiapolis - Research Center Henri Tudor, Agadir, Marocco - NATO reference number: SPS.MD.ATG.G5439), entrambi beneficiari di finanziamento NATO SPS - *“Science for Peace and Security Programme”* (su base competitiva).

Dal 2014, riceve il riconoscimento di *“Outstanding Reviewer”* per riviste internazionali (ELSEVIER) quali 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), etc.

Dal 2015, è valutatore di progetti di ricerca per ente governativo NCN-National Science Centre (Poland - OPUS call, PRELUDIUM call) e NCSTE-National Center of Science & Technology Evaluation (Republic of Kazakhstan).

Partecipa a commissioni di valutazione per l’assegnazione di assegni di ricerca (UniTS, UniFI).

Ha ricevuto vari premi per giovani ricercatori (best paper, early stage researcher, ecc.) e per mobilità internazionale (visiting researcher e visiting/host professor). Vincitrice bando FRA2016 (Fondo per la Ricerca di Ateneo, UniTS) per progetto di ricerca di durata biennale (INVERSE).

Beneficiaria bando FFABR2017 - fondo per finanziamento attività di ricerca di base per ricercatori produttivi (su base competitiva). Collabora a vari progetti di ricerca conto terzi presso il DIA, dal 2017 anche come titolare.

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

- NAFEMS Italy - *Steering Committee member* (dal 2018)
- 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)
- IAPS *“International Association of Protective Structures”* - *expert member* (dal 2017)
- EU-COST Action FP1404 *“Fire safe use of bio-based building products”* - *delegato nazionale (Management Committee) e working group member* (2016-2018)
- EU-JRC (Joint Research Centre) - ERNCIP Network (European Reference Network for Critical Infrastructure Protection) - *expert member* (dal 2015)
- 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)

Dal 2008, partecipa inoltre a progetti di ricerca nazionali, tra i quali:

- ReLUIIS-DPC 2014-18, PR3 *“Strutture in acciaio & composte acciaio calcestruzzo”* (unità di ricerca UniTS)
- ReLUIIS-DPC 2014-18, PR4 *“Strutture in legno”* (UniSS/UnivAQ)
- ReLUIIS-DPS 2010-13, PR3 *“Strutture in acciaio & composte acciaio calcestruzzo”* (UniTS)

Didattica

- Dal 2016, incarico di insegnamento nell'ambito del Dottorato di Ricerca in Ingegneria Civile-Ambientale e Architettura (UniTS), interateneo con Università di Udine, accreditato dal Ministero (corso "*Progetto di strutture in vetro-acciaio*", 2CFU)
- Dal 2012, incarico di docenza presso UniTS-DIA come titolare del corso "*Tecnica delle Costruzioni I*" / "*Analisi delle Strutture*", LM ciclo unico in Architettura (6CFU)
- 2011-2012: docente a contratto UniTS-DIA, attività tecnico-pratiche al corso di "*Statica*", LT in Scienze dell'Architettura (4CFU, titolare prof. N.Gattesco)
- 2009-2013: attività didattica occasionale (UniTS-DIA, LS in Ingegneria Civile) per i corsi di "*Ingegneria Sismica*" (moduli ed esercitazioni, titolare ing. I.Clemente, 3CFU), "*Costruzioni in Acciaio 1 e 2*" (prof. C.Amadio, 6CFU) e "*Progetto di Strutture 2*" (prof. C.Amadio, 6CFU)
- Dal 2012, ha tenuto numerosi seminari e lezioni presso enti di ricerca esteri e nazionali
- Correlatrice, dal 2009, per varie tesi di laurea triennale e specialistica in Ingegneria Civile e Architettura (UniTS o estere)

Amministrazione (presso UniTS-DIA)

- 2018: Valutatore di Panel d'Area (VPA) per Commissione di Valutazione della Ricerca (CVR 2018) - 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 (c.u.) in Architettura
- Dal 2018: componente Commissione di valutazione relativa al bando *Erasmus+ Key Action 1: mobilità per studio* (sezione Ingegneria), per assegnazione borse di mobilità studenti
- Dal 2017: componente Commissione di Laurea in Architettura (Laurea Quinquennale e Laurea Magistrale)
- Dal 2015: componente Commissione Esami di Stato (membro aggregato), settore Civile e ambientale – Curr. Strutture; Classe Senior: Ing. civile, 28/S; Classe junior: Ing. civile ed amb. Jr., sez. B cl. 8
- Dal 2015: coordinatore locale per Accordi Inter-Istituzionali *Erasmus +* (con varie università estere)
- Dal 2015: tutor per tirocini formativi (in Italia o all'estero)
- Dal 2015: componente Commissione giudicatrice per conferimento borse di ricerca e assegni di ricerca (UniTS e altre università)
- Dal 2014: componente Consiglio di Dipartimento
- Dal 2014: componente Consiglio di Corso di Studi (AR03 Architettura)
- Dal 2011: componente Commissione giudicatrice per esami di prelaurea in Ingegneria Civile

CV esteso

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, Trieste. Titolo conseguito in data 19/04/2012.
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
- 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. Voto: 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. Voto:107/110
- 2002 Diploma di maturità scientifica conseguito presso il Liceo Statale “A.Einstein”, Cervignano del Friuli (UD). Voto: 100/100

Attività didattica

- Dal 2016 Incarico di insegnamento nell'ambito del **Dottorato di Ricerca** in Ingegneria Civile-Ambientale e Architettura (Università di Trieste), interateneo con Università di Udine, accreditato dal Ministero (corso **“Progetto di strutture in vetro-acciaio”**, 16 ore, 2CFU)
- Dal 2012 **Professore a contratto**, Dipartimento di Ingegneria e Architettura, Università di Trieste (incarico di docenza sostitutiva).
Docente titolare del corso *“Tecnica delle Costruzioni I”* / **“Analisi delle Strutture”** (ICAR/09) Laurea a Magistrale a ciclo unico in Architettura (6 CFU), a partire da AA 2012-13 fino ad AA 2015-16. Da AA 2016-17, titolare del corso conferito come incarico di insegnamento RTDa.
- Feb 2012-Ott 2012 **Professore a contratto**, Dipartimento di Ingegneria e Architettura, Università di Trieste (incarico di docenza sostitutiva).
Docente per le esercitazioni / attività tecnico-pratiche relative al corso di **“Statica”**, Laurea Triennale in Scienze dell'Architettura (30 ore, 4 CFU), AA 2011-12.

Gen 2009-Dic 2011

Attività didattica occasionale presso il Dipartimento di Ingegneria e Architettura, Università degli Studi di Trieste (corso di Laurea Specialistica in Ingegneria Civile):

- Sezioni ed esercitazioni del corso **“Ingegneria Sismica”**, titolare dott. ing. I.Clemente A.A. 2009-10, 2010-11, 2011-12
- Esercitazioni dei corsi **“Costruzioni in Acciaio 1 e 2”**, titolare prof. C.Amadio A.A. 2009-10, 2010-11, 2011-12
- Esercitazioni del corso **“Progetto di Strutture 2”**, titolare prof. C.Amadio A.A. 2009-10, 2010-11, 2011-12

Da Gen 2009

Correlatore per tesi di Laurea Triennale (LT) e Specialistica (LS) in Ingegneria Civile e Architettura (*non si riportano in elenco 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. Sandra Jordão)
 2. M. Sacadura (LS AA 2015-16): *“Adaptive glass pane using shape-memory alloys”*, Universidade Nova de Lisboa, CERis, ICIST, Faculdade de Ciências e Tecnologia, Departamento de Engenharia Civil – Lisbon, Portugal (asst.prof. F. Amarante dos Santos)
- **Università di Trieste, Dipartimento di Ingegneria e Architettura**
 3. D. Santo (LT AA 2017-18): *“Instabilità flessio-torsionale di travi in vetro strutturale con ritegni laterali”* (prof. S. Noè)
 4. 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)
 5. P. Gesmundo (LS AA 2016-17): *“Modellazione sismica di un telaio composto acciaio calcestruzzo dotato di controventi concentrici a X”* (prof. C. Amadio)
 6. A. Esposito (LS AA 2016-17): *“Analisi numerica di travi ibride in vetro strutturale e FRP”* (prof. C. Amadio)
 7. C. Cadelli (LS AA 2015-16): *“Analisi e modellazione di nodi composti acciaio calcestruzzo per strutture intelaiate controventate”* (prof. C. Amadio)
 8. G. Ballarini (LS AA 2015-16): *“Analisi dinamica di un edificio multipiano in acciaio dotato di chiusure in vetro dissipative”* (prof. C. Amadio)
 9. E. Bergamo (LS AA 2013-14): *“Identificazione strutturale per mezzo di sensori accelerometrici MEMS: prototipazione e validazione”* (prof. S. Noè)
 10. F. Iurasek (LS AA 2013-14): *“Analisi di buckling di travi inflesse in vetro dotate di vincolo laterale”* (prof. C. Amadio)
 11. G. Cappellotto (LS AA 2012-13): *“Analisi di buckling di pareti in legno ‘Blockhaus’”* (prof. C. Amadio)
 12. A. Sinico (LS AA 2012-13): *“Analisi di buckling di elementi in vetro soggetti a carichi impulsivi”* (prof. C. Amadio)
 13. 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)
 14. L. Rizzian (LQ vo AA 2010-11): *“Verifica sismica di un edificio ATER, in muratura, ubicato a Trieste in Via Catalani”* (prof. C. Amadio)
 15. L. Bozzi (LS AA 2010-11): *“L’isolamento sismico dei ponti”* (prof. S. Noè)
 16. S. Lovato (LS AA 2009-10): *“Analisi a lungo termine di travi composte acciaio calcestruzzo in fase fessurata e non fessurata”* (prof. C. Amadio)
 17. G. Cappellotto (LS AA 2008-09): *“Analisi di vulnerabilità sismica della villa comunale di Portogruaro”* (prof. C. Amadio)
 18. L. Bozzi (LT AA 2007-08): *“Effetto dell’aggiunta di armatura lenta nei pannelli alveolari precompressi. Analisi sperimentali”* (prof. S. Noè)

Attività di ricerca

Dal 2009 ad oggi, svolge attività di ricerca in modo continuativo (a titolo volontario e gratuito, nei periodi non espressamente specificati ed antecedenti o successivi al Dottorato di Ricerca (Gen 2009-Dic 2011)). In particolare:

- Da Dic 2017 **Ricercatore (RTDa) - Proroga**
presso **Università di Trieste**, Dipartimento di Ingegneria e Architettura
- Dic 2014-Dic 2017 **Ricercatore (RTDa)**
presso **Università di Trieste**, Dipartimento di Ingegneria e Architettura
- Feb-Dic 2014 **Ricercatore Post-Doc**
Progetto di ricerca: *“Sviluppo di un sistema costruttivo a pannelli in legno lamellare incrociato (x-lam) utilizzando pino marittimo sardo”*.
Convenzione di durata biennale (vincitrice Borsa di studio Post-Doc con finanziamento 70,000 € / progetto) 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, al termine del primo anno di attività (dicembre 2014), per proposta di chiamata RTDa (non derogabile) presso Università degli Studi di Trieste, Dipartimento di Ingegneria e Architettura.
- Lug 2012-Apr 2013 Incarico di **collaborazione occasionale** presso il Dipartimento di Architettura, Design e Urbanistica (DADU) dell’**Università degli Studi di Sassari** (Borsa di studio Post-Lauream).
Progetto di ricerca: *“Implementazione di un modello numerico avanzato in Abaqus per la previsione del comportamento non lineare ciclico nel piano di pareti strutturali lignee a sistema ‘block bau’”*. Responsabile scientifico: prof. M. Fragiaco
- Ott-Dic 2008 Incarico di **collaborazione occasionale** presso il Dipartimento di Ingegneria e Architettura dell’**Università degli Studi di Trieste** (Borsa di studio Post-Lauream, 3 mesi).
Progetto di ricerca: *“Realizzazione di un sistema dissipativo per una parete vetro-acciaio dotata di cavi pretesi sotto gli effetti di un carico esplosivo”*.
Responsabile scientifico: prof. C. Amadio
- Gen-Ott 2008 **Tirocinio** svolto nell’ambito del Master Post-Lauream di 2° Livello “MUPAC”, presso l’**Università degli Studi di Udine**, Dipartimento di Georisorse e Territorio.
Progetto di ricerca: *“Identificazione strutturale da misure dinamiche e verifica sismica del ponte isolato sul fiume Fella a Dogna (UD)”*. Tutor: prof. A. Morassi

Dal 2008 ad oggi partecipa, in qualità di titolare, Working Group (WG) member o collaboratore per analisi ad Elementi Finiti / sperimentali, a progetti di ricerca presso l’Università di Trieste (UniTS), Dipartimento di Ingegneria e Architettura (DIA), tra i quali:

1. *SAFETY GLASS - Sviluppo e validazione di un software di calcolo per la progettazione di elementi in vetro strutturale* [gen-dic 2018, DIA UniTS, conto terzi - Seretti Vetroarchitetture (titolare progetto)]
2. *Supporto all’implementazione e validazione di software di calcolo per la progettazione di strutture in legno di tipologia ‘log-haus’* [mar-lug 2017, DIA UniTS, conto terzi - Kipendoff Engineering (titolare progetto)]
3. FRA2016-BEDON *“INVERSE - Identificazione dinamica sperimentale e numerica di elementi in vetro strutturale”* [gen 2016 - dic 2018, DIA UniTS (titolare progetto)]
4. Analisi dell’esistente, sviluppo di appositi tools di calcolo e prototipizzazione di nuovi pannelli in acciaio-poliuretano [mag 2018 - dic 2019, DIA UniTS, conto terzi - Isopan]
5. *Ottimizzazione strutturale di ponteggi in alluminio* [apr-nov 2015, DIA UniTS, conto terzi Pilosio]
6. *Stabilità di pareti in legno ‘Blockhaus’ sottoposte a carichi di compressione nel piano* (Mag-Set 2014) [DIA UniTS, conto terzi Rubner Haus]

7. *Modellazione avanzata ad Elementi Finiti di facciate in vetro-acciaio sottoposte a carico da esplosione* (partecipazione alle sole attività eseguite nel 2008, con durata biennale del finanziamento 2006-08) [DIA UniTS, conto terzi (titolare Borsa di studio post-Lauream)]
8. ReLUIIS-DPC 2014-18, PR3 “*Strutture in acciaio & composte acciaio calcestruzzo*”, unità di ricerca (UR)= UniTS
9. ReLUIIS-DPC 2014-18, PR4 “*Strutture in legno*”, UR= UniSS / UnivAQ, WP3 “Pannelli di legno a strati incrociati: riduzione della vulnerabilità sismica di edifici esistenti e aggiornamenti normativi per le nuove costruzioni” e WP4 “Edifici in legno a tipologia speciale e/o con dispositivi speciali”
10. ReLUIIS-DPS 2010-13, PR3 “*Strutture in acciaio & composte acciaio calcestruzzo*”, UR= UniTS
11. (dal 2015) Collaborazione (analisi numerica avanzata ad Elementi Finiti) a supporto delle attività del *Project Team “SC4.PT3 - Revised Rules for Shear Connection in Composite Beams Using Modern Profiled Decking”* incaricato della revisione dell’Eurocodice (strutture composte acciaio-calcestruzzo)

Dal 2011 collabora inoltre a varie attività di ricerca con altri centri di ricerca e Università esteri o nazionali, tra cui:

- RISE Research Institutes of Sweden - Göteborg, **Sweden**
- 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, CERis, ICIST, Faculty of Science and Technology, Department of Civil Engineering – Lisbon, **Portugal**
- University of Coimbra, Department of Civil Engineering - Coimbra, **Portugal**
- Ghent University, LMO - Laboratory for Research on Structural Models, Department of Structural Engineering, Faculty of Engineering and Architecture - Ghent, **Belgium**
- EPFL-ICOM Steel Structures Laboratory, École Polytechnique Fédérale de Lausanne, **Switzerland**
- Università di Cagliari, Dipartimento di Ingegneria Civile, Ambientale e Architettura
- Università di Sassari, Dipartimento di Architettura, Design e Urbanistica
- Università dell’Aquila, Dipartimento di Ingegneria Civile, Edile-Architettura e Ambientale
- Università di Udine, Dipartimento di Georisorse e Territorio

Mobilità e ricerca con/presso altre Università

a) Visiting Researcher / Professor

- | | |
|-----------|--|
| Sett 2018 | Visiting Professor / Invited Speaker – Belgrade
Host Prof. Aleksandra Krstić-Furundžić
“Adaptive Facades Systems” Training School & Workshop supportata dalla EU-COST Action TU1403
“Adaptive Facades Network” (http://tu1403.eu), 3-7 settembre 2018, University of Belgrade, Faculty of Architecture, Belgrade, Serbia |
| Mag 2018 | (Erasmus + / KA1 Teaching Staff Mobility) Visiting Researcher – Delft University of Technology (TU Delft)
Host Dr. Christian Louter
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 |

- Apr 2018 **(STSM) Visiting Researcher – RISE Research Institutes of Sweden**
 Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU1403 “Adaptive Facades Network” (<http://tu1403.eu>).
 Progetto di ricerca: “*Thermo-mechanical numerical modelling of adaptive facade assemblies under high temperatures and fire*”
 Host Dr. Daniel Honfi
 RISE - Göteborg, **Sweden**
- Apr 2017 **(Erasmus + / KA1 Teaching Staff Mobility) Visiting Researcher – Cambridge University**
 Host Dr. Mauro Overend
 Cambridge University, Department of Engineering, **United Kingdom**
- Sett 2016 **Visiting Professor / Invited Speaker – HafenCity University Hamburg (HCU)**
 Host Prof. Frank Wellershoff
 “Adaptive Facades Systems” Training School & Workshop supportata dalla EU-COST Action TU1403 “Adaptive Facades Network” (<http://tu1403.eu>), 12-17 settembre 2016, HCU HafenCity University, Hamburg, **Germany**
- Mag 2016 **(Erasmus + / KA1 Teaching Staff Mobility) Visiting Researcher – Delft University of Technology (TU Delft)**
 Host Dr. Christian Louter
 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**
- Apr 2016 **(STSM) Visiting Researcher – Cambridge University**
 Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU1403 “Adaptive Facades Network” (<http://tu1403.eu>).
 Progetto di ricerca: “*Coupled structural & thermal optimization of a multifunctional building skin*”
 Host Dr. Fabio Favoino & Dr. Mauro Overend
 Cambridge University, Department of Civil Engineering - Cambridge, **United Kingdom**
- Mag 2015 **(Erasmus + / KA1 Teaching Staff Mobility) Visiting Researcher – University of Coimbra**
 Host Dr. Sandra Jordão
 University of Coimbra, Department of Civil Engineering - Coimbra, **Portugal**
- Mar 2015 **(Erasmus + / KA1 Teaching Staff Mobility) Visiting Researcher – Ghent University**
 Host Prof.dr.ir.-arch. Jan Belis
 Ghent University, LMO - Laboratory for Research on Structural Models, Department of Structural Engineering, Faculty of Engineering and Architecture - Ghent, **Belgium**
- Mar 2014 **(STSM) Visiting Researcher – University of Coimbra**
 Host Dr. Sandra Jordão
 University of Coimbra, Department of Civil Engineering - Coimbra, **Portugal**
 Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU0905 “Structural glass-Novel design methods and next generation products” (www.glassnetwork.org).
 Progetto di ricerca: “*Experimental-numerical investigation of laminated glass beams with pre-stressed cables*”
- Giu 2013 **(STSM) Visiting Researcher – EPFL-ICOM Lausanne**
 Host Dr. Christian Louter
 EPFL-ICOM Steel Structures Laboratory, École Polytechnique Fédérale de Lausanne, **Switzerland**
 Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU0905 “Structural glass-Novel design methods and next generation products” (www.glassnetwork.org).
 Progetto di ricerca: “*Numerical analysis of SG-laminated reinforced glass beams*”

Set 2012 **(STSM) Visiting Researcher – Ghent University**
Host Prof.dr.ir.-arch. Jan Belis
LMO - Laboratory for Research on Structural Models, Department of Structural Engineering, Faculty of Engineering and Architecture, Ghent University, **Belgium**
Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU0905
“Structural glass-Novel design methods and next generation products” (www.glassnetwork.org).
Progetto di ricerca: “*Experimental and numerical buckling assessment of laminated glass components*”

b) Host Researcher / Professor

Da Ott 2018 **Host Professor/Supervisor**
Soggiorno durante il progetto di Dottorato in Ingegneria Civile
Progetto di ricerca: “*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 – **Žilina, Iran**

Set-Dic 2018 **Host Professor/Supervisor**
Tirocinio Erasmus +, durante il progetto di Dottorato in Ingegneria Civile
Progetto di ricerca: “*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 **Host Professor**
Visita breve Erasmus + / Teaching Staff Mobility
Progetto di ricerca: “*Research on timber structures*”
Visitor: Dr. Beatriz Gonzalez Rodrigo (Lecturer)
Polytechnical University of Madrid, Department of Civil Engineering – **Madrid, Spain**

Giu & Nov 2018 **Host Professor**
Visita breve Erasmus + / Teaching Staff Mobility
Progetto di ricerca: “*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**

Feb 2018 **(STSM) Host Researcher**
Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU1403 “Adaptive facades network” (<http://tu1403.eu>).
Progetto di ricerca: “*Coupled thermo-mechanical model for structural glass*”
Visitor Dr. Marcin Kozłowski (Research Associate)
Silesian University of Technology, Department of Structural Engineering - Gliwice, **Poland**

Gen-Feb 2017 **Host Professor/Supervisor**
Visita/tirocinio durante il progetto di Dottorato in Ingegneria Civile
Progetto di ricerca: “*Numerical modeling of the dynamical behavior of prestressed concrete beams*”
Visitor: Mr. Hamza Djefal (Ph.D. Candidate)
University of Biskra, **Algeria**

- Giu 2016 **Host Researcher**
 Visita breve programmata durante il progetto di Dottorato in Ingegneria Civile (Supervisor: Dr. Martina Eliášová).
 Progetto di ricerca: “*Structural glass columns under impact*”
 Visitor Mr. Roman Kalamar (Ph.D. Student)
Czech Technical University (CTU) of Prague - Prague, Czech Republic
- Dic 2015 **(STSM) Host Researcher**
 Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU1403 “Adaptive facades network” (<http://tu1403.eu>).
 Progetto di ricerca: “*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
- Giu 2015 **(STSM) Host Researcher / Co-Supervisor**
 Visita breve programmata durante il progetto di tesi di Laurea Specialistica (Supervisor: Dr. Filipe Amarante dos Santos).
 Progetto di ricerca: “*Adaptive glass pane using shape-memory alloys*”
 Visitor Ms. Mariana Sacadura (MSc Student)
Universidade Nova de Lisboa, Faculdade de Ciências e Tecnologia, Departamento de Engenharia Civil - Lisbon, Portugal
- Mar 2014 **(STSM) Host Researcher**
 Short-Term Scientific Mission (STSM) approvata e finanziata dalla EU-COST Action TU0905 “Structural glass-Novel design methods and next generation products” (www.glassnetwork.org).
 Progetto di ricerca: “*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

Gruppi e progetti di ricerca / network / associazioni

Dal 2010, partecipa attivamente come delegato nazionale (o sostituto), task leader o working group expert a progetti e network nazionali ed internazionali, tra i quali:

- Da Nov 2018 Steering Committee Member - **NAFEMS Italy “International Association for the Engineering Modelling, Analysis and Simulation Community”** (<http://www.nafems.org/>)
- Da Ago 2018 European Research Network
EU-COST Action CA17107: “CONTEXT - European Network to connect research and innovation efforts on advanced Smart Textiles”
[\(http://www.cost.eu/actions/CA17107/\)](http://www.cost.eu/actions/CA17107/)
- Management Committee (MC) Member, delegato nazionale
 - Working Group (WG) Member

- Ago 2016-Nov 2018 European Research Network
EU-COST Action FP1404: “Fire safe use of bio-based building products”
[\(http://www.costfp1404.com/\)](http://www.costfp1404.com/)
- Management Committee (MC) Member, delegato nazionale
 - Working Group (WG) Member
 - WG1 “Contribution of bio-based materials to the fire development”
 - Task Group 2 “Modification methods - Treatment and testing methods and Standards”
 - WG2 “Structural Elements made of bio-based building materials and detailing”
 - Task Group 2 “Timber-concrete composite”
 - Task Group 3 “Connections in fire”
 - Task Group 4 “Cladding materials”
- 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/>
- Set 2014-Nov 2018 European Research Network
EU-COST Action TU1403: “Adaptive Facades Network”
[\(http://tu1403.eu\)](http://tu1403.eu)
- Management Committee (MC) Member, delegato nazionale
 - “Structural group” Leader (da Ottobre 2016)
 - Working Group (WG) Member
 - WG2 “Component performance and characterization methods”
- Gen 2012-Apr 2014 European Research Network on Structural Glass
EU-COST Action TU0905: “Structural Glass: Novel design methods and next generation products”
[\(www.glassnetwork.org\)](http://www.glassnetwork.org)
- Componente del Task Group 12 “Stability” (TG Member, da Gennaio 2012)
 - Componente del Task Group 7 “Numerical Simulation” (TG Member, da Aprile 2013)
 - Leader del Task Group 12 “Stability” (da Aprile 2013)
- Da Lug 2017 Componente **IAPS “International Association of Protective Structures”**
[\(http://www.protectivestructures.org/\)](http://www.protectivestructures.org/)
- Da Nov 2013 Componente dell’**I.R.S.A.G.-Italian Research on Structural Applications of Glass** (www.ativ-online.it)
- Dal 2015 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

Seminari, lezioni, corsi di formazione

- Nov 2018 Corso di formazione professionale (8 ore) “*Progettazione di strutture in vetro*”, presso **Ordine degli Ingegneri della Provincia di Udine** (Udine, Italy)
- Sett 2018 Invited Lecture presso **University of Belgrade, Faculty of Architecture, Serbia**, nell’ambito della **Training School 2018 & Workshop “Adaptive Facade Systems”** organizzata da EU-COST Action TU1403 “Adaptive Facades Network” (3-7 settembre, 50 partecipanti (Ph.D. Students) da vari Paesi europei):
“*Identify structural, fire + safety facade performances where adaptive technologies are useful. Life-cycle cost assessment*”
Host: Prof. Aleksandra Krstić-Furundžić
- Sett-Ott 2017 Corso di formazione professionale (14 ore) “*Progettazione di strutture in vetro*”, presso **Ordine degli Ingegneri della Provincia di Trieste** (Trieste, Italy)
- 21 Sett 2017 Corso di formazione professionale (4 ore) “*Structural glass: from sketch to the final construction - 1st Edition*”, presso **CMM-Associação Portuguesa de Construção Metalica e Mista** (Lisbon, Portugal)
- Sett 2016 Invited Lecture presso **HafenCity University Hamburg (HCU), Germany**, nell’ambito della **Training School & Workshop “Adaptive Façade Systems”** organizzata da EU-COST Action TU1403 “Adaptive Facades Network” (12-17 settembre, 70 partecipanti (Ph.D. Students) da Europa + Brasile):
“*Identify structural, fire + safety facade performances where adaptive technologies are useful. Life-cycle cost assessment*”
Host: Prof. Frank Wellershoff
- Mag 2016 Seminario “*Progetto di strutture in vetro-acciaio*”, da 8 ore complessive, presso **Università di Trieste**, Dipartimento di Ingegneria e Architettura
Co-docenza Prof. C. Amadio (30 partecipanti UniTS)
- Mag 2016 Guest Lecture presso **EU Joint Research Centre – Institute for the Protection and Security of the Citizen, JRC-IPSC** (Ispra (VA), Italy):
“*Design of glass structures under conventional and blast loadings*”
Host: Dr. Martin Larcher
- Mar 2015 Guest Lecture presso **Ghent University**, Department of Structural Engineering (Ghent, **Belgium**):
“*Worked examples on glass structures*”, 3h, Master Course “Glass and Timber Structures”
Host: Prof.dr.ir.-arch. Jan Belis
- Mar 2014 Seminario presso **Universidade Nova de Lisboa (FCT-UNL)**, Faculdade de Ciências e Tecnologia, Departamento de Engenharia Civil (Lisbona, **Portugal**):
“*Blast-resisting steel-glass facades and ongoing research at University of Trieste*”
Host: Dr. Filipe Amarante dos Santos
- Mar 2014 Seminario presso **University of Coimbra**, Department of Civil Engineering (Coimbra, **Portugal**):
“*Glass research at University of Trieste*”
Host: Dr. Sandra Jordão
- Feb 2014 Guest lecture presso **EPFL-ICOM Lausanne (Switzerland)**, nell’ambito dell’ “ESR Workshop & Networking Event”, 3-5 febbraio 2014, organizzato dalla EU-COST Action TU0905 (www.glassnetwork.org)
“*Buckling and Post-buckling analysis of a laminated glass column*”

- Dic 2013 Seminario presso **Università Roma Tre**, Dipartimento di Strutture (DiS) – Modeling & Simulation Lab (LaMS), Roma (Italia):
 “*Problemi di stabilità negli elementi in vetro strutturale*”
 Host: Prof.ssa Ginevra Salerno
- Giu 2013 Seminario presso **EPFL-ICOM Lausanne (Switzerland)**:
 “*Steel-glass façades under blast loads –Glass research at University of Trieste*”
 Host: Dr. Christian Louter

Altri incarichi

- 2018 Valutatore di Panel d’Area (VPA) per **Commissione di Valutazione della Ricerca (CVR 2018)** Area 08 - Ingegneria Civile e Architettura sub-area b (Ingegneria Civile)
- Giu-Dic 2018 Membro aggregato per la **Commissione Esami di Stato** (sessioni Estiva & Invernale) presso Università di Trieste, Dipartimento di Ingegneria e Architettura (settore Civile e ambientale – Curriculum Strutture; Classe Senior: Ing. civile, 28/S; Classe junior: Ing. civile ed amb. Jr., sez. B cl. 8)
- Dal 2018 Componente Gruppo di gestione Assicurazione Qualità (AQ) di riesame CdS - Corso di Laurea Magistrale (c.u.) in Architettura
- Dal 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
- Da Gen 2018 Coordinatore locale per un **Accordo Inter-Istituzionale “Erasmus +”** tra Università di Trieste, Dipartimento di Ingegneria e Architettura e **University of Zilina** (Zilina, Slovakia)
- Dal 2017 Componente Commissione di Laurea in Architettura (Laurea Quinquennale e Laurea Magistrale) e (dal 2011) Commissione giudicatrice per esami di prelaurea in Ingegneria Civile
- Giu-Dic 2017 Membro aggregato per la **Commissione Esami di Stato** (sessioni Estiva & Invernale) presso Università di Trieste, Dipartimento di Ingegneria e Architettura (settore Civile e ambientale – Curriculum Strutture; Classe Senior: Ing. civile, 28/S; Classe junior: Ing. civile ed amb. Jr., sez. B cl. 8)
- Giu-Dic 2016 Membro aggregato per la **Commissione Esami di Stato** (sessioni Estiva & Invernale) presso Università di Trieste, Dipartimento di Ingegneria e Architettura (settore Civile e ambientale – Curriculum Strutture; Classe Senior: Ing. civile, 28/S; Classe junior: Ing. civile ed amb. Jr., sez. B cl. 8)
- Giu-Dic 2015 Membro aggregato per la **Commissione Esami di Stato** (sessioni Estiva & Invernale) presso Università di Trieste, Dipartimento di Ingegneria e Architettura (settore Civile e ambientale – Curriculum Strutture; Classe Senior: Ing. civile, 28/S; Classe junior: Ing. civile ed amb. Jr., sez. B cl. 8)
- Da Giu 2015 Coordinatore locale per un **Accordo Inter-Istituzionale “Erasmus +”** tra Università di Trieste, Dipartimento di Ingegneria e Architettura e **Ghent University, Department of Structural Engineering** (Ghent, Belgium)
- Da Giu 2015 Coordinatore locale per un **Accordo Inter-Istituzionale “Erasmus +”** tra Università di Trieste, Dipartimento di Ingegneria e Architettura e **University of Coimbra, Department of Civil Engineering** (Coimbra, Portugal)

- Dal 2015 Componente Commissioni per conferimento Borse e Assegni di ricerca presso Università di Trieste, Dipartimento di Ingegneria e Architettura
- Dal 2011 Componente Commissioni per Esami di Pre laurea presso Università di Trieste, Dipartimento di Ingegneria e Architettura (Lauree Triennali e Specialistiche in Ingegneria Civile)

Premi, borse, finanziamenti, riconoscimenti

a) Ricerca

- 2018 Vincitrice **FFABR2017** (Fondo per la Ricerca di Ateneo, UniTS), bando di finanziamento per ricercatori attivi e progetti di ricerca competitivi, di durata biennale (inizio delle attività: 1° gennaio 2018).
(progetti di ricerca individuali, finanziamento 3,000 € / ricercatore, assegnato su base competitiva):
- Da gen 2017 Vincitrice **FRA2016** (Fondo per la Ricerca di Ateneo, UniTS), bando di finanziamento per ricercatori attivi e progetti di ricerca competitivi, di durata biennale (inizio delle attività: 1° gennaio 2017).
Progetto di ricerca proposto e approvato (linea di intervento A: progetti di ricerca individuali, finanziati in 3,000 € / progetto):
"INVERSE - Identificazione dinamica sperimentale e numerica di elementi in vetro strutturale"
- Gen-Dic 2014 Vincitrice / 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 (vincitrice Borsa di studio per Ricercatori con finanziamento pari a 70,000 €) 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, al termine del primo anno di attività (dicembre 2014), per proposta di chiamata RTDa (non derogabile) presso Università degli Studi di Trieste, Dipartimento di Ingegneria e Architettura

b) Mobilità Internazionale

- Mag 2018 **Erasmus + / KA1 Teaching Staff Mobility Grant**
Finanziamento ottenuto per visita breve presso Delft University of Technology - TU Delft (**The Netherlands**)
- Apr 2018 **COST STSM Grant [EU-COST Action TU1403]**
Premio COST (www.cost.eu) atto a finanziare una Short-Term Scientific Mission (STSM) presso RISE-Research Institutes of Sweden, Göteborg (**Sweden**)
- Apr 2017 **Erasmus + / KA1 Teaching Staff Mobility Grant**
Finanziamento ottenuto per visita “teaching staff” presso Cambridge University (**United Kingdom**)
- Mar 2016 **Erasmus + / KA1 Teaching Staff Mobility Grant**
Finanziamento ottenuto per visita breve presso Delft University of Technology - TU Delft (**The Netherlands**)
- Apr 2016 **COST STSM Grant [EU-COST Action TU1403]**
Premio COST (www.cost.eu) atto a finanziare una Short-Term Scientific Mission (STSM) presso Cambridge University, Department of Engineering, Cambridge (**United Kingdom**)
- Mag 2015 **Erasmus + / KA1 Teaching Staff Mobility Grant**
Finanziamento ottenuto per visita breve presso University of Coimbra (**Portugal**)

- Mar 2015 **Erasmus + / KA1 Teaching Staff Mobility Grant**
Finanziamento ottenuto per visita breve presso Ghent University (**Belgium**)
- Mar 2014 **COST STSM Grant [EU-COST Action TU0905]**
Premio COST (www.cost.eu) atto a finanziare una Short-Term Scientific Mission (STSM) presso University of Coimbra – Department of Civil Engineering, Coimbra, **Portugal**
- Dic 2013 **COST Grant for Early stage Researchers [EU-COST Action TU0905]**
Premio COST (www.cost.eu) atto a finanziare la partecipazione all’ “ESR Workshop & Networking Event”, 3-5 febbraio 2014, EPFL-ICOM di Losanna (**Switzerland**)
- Giu 2013 **COST STSM Grant [EU-COST Action TU0905]**
Premio COST (www.cost.eu) atto a finanziare una Short-Term Scientific Mission (STSM) presso École Polytechnique Fédérale (EPFL)-ICOM Steel Structures Laboratory, Lausanne (**Switzerland**)
- Set 2012 **COST STSM Grant [EU-COST Action TU0905]**
Premio COST (www.cost.eu) atto a finanziare una Short-Term Scientific Mission (STSM) presso Ghent University- Laboratory for Research on Structural Models (LMO), Ghent (**Belgium**)

c) Conferenze Nazionali ed Internazionali (Best Paper)

- 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, Stazione Marittima, 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 **(co-autore) Premio AGLC – Associazione per la Geofisica Licio Cernobori**
Nell’ambito del 35° Convegno Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida, 22-24 Novembre 2016, Lecce, Castello Carlo V, viene assegnato al Dott. 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
- Lug 2014 **GlassCon Global Young Researchers Award**
Nell’ambito della conferenza “GlassCon Global – Innovation in Glass Technology”, 7-10 luglio 2014, Philadelphia, PA, Pennsylvania Convention Center, riceve un premio (2° classificata) 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", 28&29 Giugno 2012, TU Delft (The Netherlands), riceve un premio COST (www.cost.eu) 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 e C. Bedon

d) Conferenze Nazionali ed Internazionali (invited presentation, upon peer-review of selected papers only)

Mag 2014 **COST Conference Grant for Early stage Researchers [EU-COST-FPS]**
Nell'ambito della "COST Action FP1004 Conference – Experimental Research in Timber", 21-23 May 2014, CTU Prague, Czech Republic, riceve un finanziamento COST (FPS COST Action FP1004 "Enhance mechanical properties of timber, engineered wood products and timber structures" (www.cost.eu)) per giovani ricercatori, 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", 11-13 Marzo 2013, Barcellona, Spagna – COST-FTP Young Researcher's Forum "Young Researchers direct the way to Innovation in the Forest-based Sector", riceve un premio COST (www.cost.eu) 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.

e) Attività editoriale

Da Nov 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).

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)

Partecipazione come speaker e/o advisory committee member a Conferenze / Workshop Internazionali e Nazionali

Speaker:

2018

1. **37° Conferenza Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida**, 19-21 Novembre 2018, Bologna, Italy
2. **NATO (SPS) Science for Peace and Security Programme - “Soft Target Protection” Advanced Research Workshop (ARW)**, October 17-19, 2018, Prague, Czech Republic
3. **Final Conference - COST Action FP1404 “Fire Safe Use of Bio-Based Building Products”**, October 1-2, 2018, Zürich, Switzerland
4. **“Timber frame assemblies - Evaluation of new design models in fire conditions” Expert Meeting & Workshop**, May 24-25, 2018, Catania, Italy
5. **Challenging Glass 6 - International Conference on the Architectural and Structural Application of Glass**, 17&18 May 2018, TU Delft, The Netherlands

2017

6. **36° Conferenza Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida**, 14-16 Novembre 2017, Trieste, Stazione Marittima, Italy
7. **NEXT Facades Conference - COST Action TU1403 “Adaptive Facades Network” Mid-Term Conference**, November 7, Munich, Germany (posters)
8. **SAFE2017 - 7th International Conference on Safety and Security Engineering**, 6 - 8 September 2017, Roma, Italy
9. **“CLT - The way to standardization - Definition of gaps” Expert Meeting & Workshop**, March 9-10, 2017, Zurich, Switzerland

2016

10. **“Fire safe use of timber concrete composite structures” Expert Meeting & Workshop**, November 15-16, 2016, Ljubljana, Slovenia
11. **“Adaptive Facades Systems” Training School & Workshop**, September 12-17, 2016, Hamburg, Germany
12. **WCTE 2016 – World Conference on Timber Engineering**, August 22-25, 2016, Vienna, Austria
13. **Challenging Glass Conference 5 – International Conference on the Architectural and Structural Application of Glass**, 16-17 Giugno 2016, Ghent, Belgium

2015

14. **34° Conferenza Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida**, 17-19 Novembre 2015, Trieste, Stazione Marittima, Italy
15. **European COST Action TU1403 “Adaptive facades network” Industry Workshop** (poster), 16-17 September 2015, TU Delft, The Netherlands
16. **2nd INTER meeting – International Network on Timber Engineering Research**, 24-27 August 2015, Šibenik, Croatia

2014

17. **33° Conferenza Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida**, 25-27 Novembre 2014, Bologna, Palazzo della Regione, Italy
18. **GlassCon Global – Innovation in Glass Technology**, 7-10 Luglio 2014, Philadelphia, PA (USA), Pennsylvania Convention Center

19. **COST Action FP1004 Conference – Experimental Research with Timber**, 21-23 Maggio 2014, CTU Prague, **Czech Republic**
20. **Challenging Glass 4 & COST Action TU0905 Final Conference**, 6&7 Febbraio 2014, Lausanne, **Switzerland**

2013

21. **32° Conferenza Nazionale GNGTS – Gruppo Nazionale di Geofisica della Terra Solida**, 19-22 Novembre 2013, Trieste, Stazione Marittima, **Italy**
22. **XV° Conferenza ANIDIS-L'Ingegneria Sismica in Italia**, 30 Giugno-4 Luglio 2013, Padova, **Italy**
23. **COST Action TU0905 Mid-term Conference on Structural Glass**, 18&19 Aprile 2013, Porec, **Croatia**
24. **COST-FTP Young Researcher's Forum 2013** “Young Researchers Direct the Way to Innovation in the Forest-Based Sector”, 11&12 March 2013, Barcelona, **Spain**

2012

25. **Challenging Glass 3**, International Conference on the Architectural and Structural Applications of Glass, 28&29 Giugno 2012, TU Delft, **The Netherlands**

2011

26. **XXIII C.T.A. – Italian Steel Conference**, 9-12 Ottobre 2011, Lacco Ameno, Ischia, **Italy**

2010

27. **XXV A.T.I.V. International Conference: Glass – When Technology Meets Design**, 18&19 Novembre 2010, Parma, **Italy**
28. **Workshop Handling Exceptions in Structural Engineering: Sistemi Strutturali, Scenari Accidentali, Complessità di Progetto**, 8&9 Luglio 2010, Roma, **Italy**

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

2018

1. **NATO (SPS) Science for Peace and Security Programme - “Soft Target Protection” Advanced Research Workshop (ARW)** (October 17-19, Prague, Czech Republic - NATO project)
2. **NATO (SPS) Science for Peace and Security Programme - Advanced Training Course (ATC) “Critical infrastructure protection - Best practises and innovative methods of protection”** (May 6-12, Universiapolis - Research Center Henri Tudor, 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>
3. **AMWC 2018 - Advanced Materials World Congress** (February 4-8, 2018, Singapore, Republic of Singapore) www.vbripress.com/amwc17

2017

4. **DCEE 2017 - Design in Civil and Environmental Engineering** (November 9-11, 2017, Cagliari, Italy), <http://www.dcee2017.org/>
5. **ICSMESSP 2017 - International Conference on Structural and Mechanical Engineering for Security and Prevention** (June 14-16, 2017, Prague, Czech Republic), <http://www.willenbergfoundation.com/conferences-and-events/icsmessp-2017>
6. **ASAMC 2017 - Asian Advanced Materials Congress** (March 11-16, 2017, Singapore, Republic of Singapore)

2015

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

2014

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

Incarichi editoriali

Da Apr 2017

Editor-In-Chief per la rivista open access “**International Journal of Structural Glass and Advanced Materials Research**”, pubblicata da **Science Publications**, <http://thescipub.com/journals/sgamr>

Inoltre:

Da giu 2018

Editorial Board Member (su invito) per la rivista “**Glass Structures & Engineering**” (<http://www.springer.com/engineering/civil+engineering/journal/40940>), pubblicata da **Springer**

Da mag 2018

Editorial Board Member (su invito) per la rivista “**Smart Science**”, section “**Smart Chemistry and Materials**” (<http://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=tsma20>), pubblicata da **Taylor & Francis Online**

Da mar 2018

Editorial Board Member (su invito) per le riviste open access “**Advances in Civil Engineering**” (<http://www.hindawi.com/journals/ace>) e “**Mathematical Problems in Engineering**” (<http://www.hindawi.com/journals/mpe>), pubblicate da **Hindawi**

Da gen 2018

Editorial Board Member (su invito) per la rivista open access “**The Open Civil Engineering Journal**” (<http://www.benthamopen.com/TOCIEJ>) pubblicata da **Bentham Open**

Mar 2016-Mar 2017

Associate Editor per la rivista **Journal of Applied and Computational Mechanics** Shahid Chamran University, <http://jacm.scu.ac.ir/> (ISSN: 2383-4536)

Da Dic 2015

Editorial Board Member per la rivista open access **Sustainable Buildings** EDP sciences, <http://www.sustainable-buildings-journal.org/> (eISSN: 2492-6035)

Dal 2014

Associate Editor per la rivista open access **American Journal of Engineering and Applied Sciences** ISSN 1941-7020 (print), 1941-7039 (online), pubblicata da Science Publication <http://www.thescipub.com/journals/ajeas>

È inoltre Guest Editor e/o Lead Guest Editor per vari special issues:

Mag 2018-Set 2018

Lead Guest Editor per lo **Special Issue “Robustness and Resilience of Infrastructures under Extreme Loads”**, da pubblicare a gennaio 2018 nella rivista **Advances in Civil Engineering (Hindawi)**, <https://www.hindawi.com/journals/ace/si/980487/cfp/>
Editorial Team: Chiara Bedon (Italy), Flavio Stochino (Italy), Juan Sagaseta (United Kingdom)

Nov 2017-Mag 2018

Guest Editor per lo Special Issue “**Current Challenges in Materials Design**” pubblicato a maggio 2018 nella rivista **International Journal of Structural Glass and Advanced Materials Research (Science Publications)**, <http://thescipub.com/journals/sgamr/>
Editorial Team (Italy): Chiara Bedon, Fausto Mistretta, Mario Sassu, Flavio Stochino

Apr 2017-Gen 2018

Lead Guest Editor per lo **Special Issue “Advancements in Design and Analysis of Protective Structures”**, pubblicato a gennaio 2018 nella rivista **Advances in Civil Engineering (Hindawi)**, <https://www.hindawi.com/journals/ace/si/980487/cfp/>

Editorial Team: Chiara Bedon (Italy), Michel Arrigoni (France), Filipe Santos (Portugal), Lucia Figuli (Slovak Republic)

Apr 2016-Set 2016

Guest Editor per lo **Special Issue “FRP Structures”** pubblicato a settembre 2016 nella rivista **American Journal of Engineering and Applied Sciences (Science Publications)**, <http://thescipub.com/journals/ajeas/>

Editorial Team: Fabio Minghini (Italy), Francesco Ascione (Italy), Chiara Bedon (Italy), John Kaiser Calautit (United Kingdom)

Set 2015-Set 2016

Lead Guest Editor per lo **Special Issue “Advancements in Design, Analysis, and Retrofitting of Structures Exposed to Blast (BIAB)”** pubblicato a settembre 2016 nella rivista **Advances in Civil Engineering (Hindawi)**, <http://www.hindawi.com/journals/ace/si/305949/cfp/>

Editorial Team: Chiara Bedon (Italy), Claudio Amadio (Italy), Li Chen (China), Vasant Matsagar (India), Frank Wellershoff (Germany), Xihong Zhang (Australia)

Peer-reviewer

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

- ASCE (American Society of Civil Engineers)-**Journal of Architectural Engineering**
- ASCE (American Society of Civil Engineers)-**Journal of Engineering Mechanics**
- ASCE (American Society of Civil Engineers)-**Journal of Structural Engineering**
- BENTHAM OPEN-**The Open Civil Engineering Journal**
- DE GRUYTER-**Science and Engineering of Composite Materials**
- ELSEVIER-**Ain Shams Engineering Journal**
- ELSEVIER-**Composites Part B: Engineering**
- ELSEVIER-**Computers and Structures**
- ELSEVIER-**Defense Technology**
- ELSEVIER-**Engineering Failure Analysis**
- ELSEVIER-**Engineering Fracture Mechanics**
- ELSEVIER-**Engineering Structures**
- ELSEVIER-**Fire Safety Journal**
- ELSEVIER-**International Journal of Mechanical Sciences**
- ELSEVIER-**Journal of Building Engineering**
- ELSEVIER-**Materials & Design**
- ELSEVIER-**Mechanical Systems and Signal Processing**
- ELSEVIER-**Soil Dynamics and Earthquake Engineering**
- EMERALD-**Multidiscipline Modeling in Materials and Structures**
- HINDAWI-**Advances in Civil Engineering**
- HINDAWI-**Journal of Engineering**
- HINDAWI-**Shock and Vibration**
- ICE-**Engineering Sustainability**
- ICE-**Structures and Buildings**
- MDPI-**Applied Sciences**
- MDPI-**Buildings**
- MDPI-**Computation**
- MDPI-**Materials**
- MDPI-**Metals**

- MDPI-**Journal of Manufacturing and Materials Processing**
- MDPI-**Sustainability**
- SAGE Publishing-**Advances in Structural Engineering**
- SAGE Publishing-**Journal of Sandwich Structures and Materials**
- SAGE Publishing-**Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science**
- SPRINGER-**Engineering with Computers**
- SPRINGER-**Glass Structures & Engineering**
- SPRINGER-**Arabian Journal for Science and Engineering**
- SPRINGER-**Earthquake Engineering and Engineering Vibration**
- SPRINGER-**Glass Structures & Engineering**
- SPRINGER-**Journal of the Institution of Engineers (India): Series A**
- SPRINGER-**Microsystem Technologies**
- TAYLOR & FRANCIS-**Architectural Science Review**
- TAYLOR & FRANCIS-**International Journal of Architectural Heritage**
- TAYLOR & FRANCIS-**Mechanics of Advanced Materials and Structures**
- TECHNO PRESS-**Structural Engineering and Mechanics**
- TRANS TECH PUBLICATIONS-**Key Engineering Materials**
- WILEY-**Advanced Engineering Materials**
- WIT PRESS-**International Journal of Heritage Architecture**

Evaluator

Da Set 2015

- Valutatore di proposte di progetti di ricerca nazionali per
 - o ente governativo **NCN - National Science Centre** (Poland - OPUS call, PRELUDIUM call), <https://www.ncn.gov.pl>
 - o ente governativo **NCSTE - National Center of Science & Technology Evaluation** (Republic of Kazakhstan), <http://www.ncste.kz/en>

Elenco pubblicazioni scientifiche

(aggiornato 18/11/2018)

Scopus Author ID	36468065600	
ORCID	0000-0003-3875-2817	
ResearcherID	N-2897-2014	
h-index	Google Scholar: 33	Scopus: 17
Citazioni	Google Scholar: 949	Scopus: 667

Cover di riviste internazionali

1. Filipe Santos, Corneliu Cismasiu, Ildi Cismasiu, Chiara Bedon (2018). “*Dynamic characterisation and Finite Element updating of a RC stadium grandstand*”. **Buildings**, 8(10), doi: 10.3390/buildings8100141

Articoli su riviste internazionali

2. Chiara Bedon, Massimo Fragiaco (2019). “*Numerical analysis of timber-to-timber joints and composite beams with inclined self-tapping screws*”. **Composite Structures**, 207: 13-28
3. Chiara Bedon, Giovanni Rinaldin, Massimo Fragiaco, Salvatore Noé (2019). “*q factor estimation for 3D log-house timber buildings via Finite Element analyses*”. **Soil Dynamics and Earthquake Engineering**, 116: 215-229
4. Chiara Bedon, Claudio Amadio (2019). “*ADAS dampers for the hazard protection of multi-storey buildings with glazing envelopes - A feasibility study*”. **Bollettino di Geofisica Teorica e Applicata - An International Journal of Earth Sciences**, accepted for publication
5. Chiara Bedon, Massimo Fragiaco (2019). “*Fire resistance of thermally insulated log-house timber walls*”. **Fire Technology**, published online, <https://doi.org/10.1007/s10694-018-0792-1>
6. Filipe Santos, Corneliu Cismasiu, Ildi Cismasiu, Chiara Bedon (2018). “*Dynamic characterisation and Finite Element updating of a RC stadium grandstand*”. **Buildings**, 8(10): 141, doi: 10.3390/buildings8100141
7. Chiara Bedon, Massimo Fragiaco (2018). “*Fire resistance of in-plane compressed log-house timber walls with partial thermal insulation*”. **Buildings**, 8(10): 131, doi: 10.3390/buildings8100141
8. Chiara Bedon, Marcin Kozłowski, Daniel Honfi (2018). “*Thermal assessment of glass facade panels under radiant heating - Experimental and preliminary numerical studies*”. **Journal of Facade Design and Engineering**, 6(3): 49-64
9. Chiara Bedon, Enrico Bergamo, Matteo Izzi, Salvatore Noé (2018). “*Prototyping and validation of MEMS accelerometers for Structural Health Monitoring - The case study of the Pietratagliata cable-stayed bridge*”. **Journal of Sensors and Actuator Networks**, 7(3): 18, doi: 10.3390/jsan7030030
10. Marcin Kozłowski, Chiara Bedon, Daniel Honfi (2018). “*Numerical analysis and 1D/2D sensitivity study for monolithic and laminated structural glass elements under thermal exposure*”. **Materials**, 11(8): 1447, doi: 10.3390/ma11081447
11. Martina Sciomenta, Chiara Bedon, Massimo Fragiaco, Angelo Luongo (2018). “*Shear performance assessment of timber log-house walls under in-plane lateral loads via numerical and analytical modelling*”. **Buildings**, 8(8): 99, doi: 10.3390/buildings8080099
12. Chiara Bedon, Daniel Honfi, Marcin Kozłowski, Klara Vokac Machalicka, Filipe Santos, Thomas Wuest, Martina Eliasova, Miroslav Vokac (2018). “*Key structural aspects for adaptive facades - Activity progress from the EU-COST Action TU1403 'Structural' Task Group*”. **International Journal of Structural Glass and Advanced Materials Research**, published online, <https://thescipub.com/abstract/10.3844/ofsp.12034>
13. Chiara Bedon, Manuel Santarsiero (2018). “*Laminated glass beams with thick embedded connections – Numerical analysis of full-scale specimens during cracking regime*”. **Composite Structures**, 195: 308-324

14. Chiara Bedon, Claudio Amadio (2018). “Glass facades under seismic events and explosions: a novel distributed-TMD design concept for building protection”. **Glass Structures & Engineering**, 3(2): 257-274
15. Chiara Bedon, Claudio Amadio (2018). “A linear formulation for the ULS design of glass elements under combined loads: application to IGUs”. **Glass Structures & Engineering**, 3(2): 289-301
16. Chiara Bedon, Claudio Amadio (2018). “Buckling analysis and design proposal for 2-side supported double Insulated Glass Units (IGUs) in compression”. **Engineering Structures**, 168-23-34
17. Chiara Bedon, Massimo Fragiacommo (2018). “Numerical analysis of timber log-haus walls with steel dovetail reinforcements under in-plane seismic loads”. **Advances in Civil Engineering**, Volume 2018, Article ID 6929856, 12 pages, <https://doi.org/10.1155/2018/6929856>
18. Chiara Bedon, Massimo Fragiacommo (2018). “Experimental and numerical analysis of in-plane compressed unprotected log-haus timber walls in fire conditions”. **Fire Safety Journal**, published online, <https://doi.org/10.1016/j.firesaf.2017.12.007> – **Special Issue FP1404**
19. Chiara Bedon (2018). “Structural glass systems under fire - Overview of design issues, experimental research and developments”. **Advances in Civil Engineering**, Volume 2017, Article ID 2120570, 18 pages, <https://doi.org/10.1155/2017/2120570>
20. Manuel Santarsiero, Chiara Bedon, Christian Louter (2018). “Experimental and numerical analysis of thick embedded laminated glass connections”. **Composite Structures**, 188: 242-256, <https://doi.org/10.1016/j.compstruct.2018.01.002>
21. Chiara Bedon, Manuel Santarsiero (2018). “Transparency in structural glass systems via mechanical, adhesive and laminated point fixings - Existing research and developments”. **Advanced Engineering Materials**, Volume 20, Issue 5, May 2018, Article number 1700815, DOI: 10.1002/adem.201700815
22. Chiara Bedon, Xihong Zhang, Filipe Santos, Daniel Honfi, Marcin Kozłowski, Michel Arrigoni, Lucia Figuli, David Lange (2018). “Performance of structural glass facades under extreme loads - Design methods, existing research, current issues and trends”. **Construction & Building Materials**, 163: 921-937
23. Chiara Bedon, Claudio Amadio (2018). “Improving the dynamic response of multi-storey buildings via protective glazing curtain walls”. **International Journal of Safety and Security**, 8: 276-286, WIT Press, doi: 10.2495/SAFE-V8-N2-276-286
24. Chiara Bedon, Claudio Amadio (2018). “Numerical assessment of vibration control systems for multi-hazard design and mitigation of glass curtain walls”. **Journal of Building Engineering**, 15: 1-13
25. Chiara Bedon, Christian Louter (2018). “Numerical investigation on structural glass beams with GFRP-embedded rods, including effects of pre-stress”. **Composite Structures**, 184: 650-661
26. Chiara Bedon, Claudio Amadio (2017). “Enhancement of the seismic performance of multi-storey buildings by means of dissipative glazing curtain walls”. **Engineering Structures**, 152: 320-334
27. Chiara Bedon, Roman Kalamar, Martina Eliášová (2017). “Low velocity impact performance investigation on square hollow glass columns via full-scale experiments and Finite Element analyses”. **Composite Structures**, 182: 311-325
28. Corrado Chisari, Chiara Bedon (2017). “Performance-based design of FRP retrofitting of existing RC frames by means of multi-objective optimisation”. **Bollettino di Geofisica Teorica e Applicata**, 58(4): 377-394
29. Claudio Amadio, Chiara Bedon, Marco Fasan (2017). “Numerical assessment of slab interaction effects on the behaviour of steel-concrete composite joints”. **Journal of Constructional Steel Research**, 139-397-410
30. Xihong Zhang, Chiara Bedon (2017). “Vulnerability and protection of glass windows and facades under blast: experiments, methods and current trends”. **International Journal of Structural Glass and Advanced Materials Research**, 1(2): 10-23, doi: 10.3844/sgamrsp.2017.10-23
31. Chiara Bedon, Christian Louter (2017). “Numerical analysis of glass-FRP post-tensioned beams – Review and assessment”. **Composite Structures**, 177: 129-140, doi.org/10.1016/j.compstruct.2017.06.060
32. Chiara Bedon, Claudio Amadio (2017). “Passive control systems for the blast enhancement of glazing curtain walls under explosive loads”. **The Open Civil Engineering Journal**, 11 (Suppl-1, M8), 396-419

33. Lucia Figuli, Zuzana Zvaková, Chiara Bedon (2017). “*Design and analysis of blast loaded windows*”. **Procedia Engineering**, 192: 177-182
34. Chiara Bedon, Claudio Amadio (2017). “*Assessment of analytical formulations for the ULS resistance verification of structural glass elements accounting for the effects of different load durations*”. **Structures**, 11: 218-228, doi:10.1016/j.istruc.2017.06.002
35. Roman Kalamar, Chiara Bedon, Martina Eliášová (2017). “*Assessing the structural behaviour of square hollow glass columns subjected to combined compressive and dynamic impact loads*”. **Engineering Structures**, 143: 127-140
36. Chiara Bedon, Mario D’Aniello, Andreas Luible, Flavio Stochino (2017). “*International Journal of Structural Glass and Advanced Materials Research: a new open platform for materials science*”. **International Journal of Structural Glass and Advanced Materials Research**, published online, doi: 10.3844/sgamrsp.2017.xxx-xxx
37. Chiara Bedon, Claudio Amadio (2017). “*Comparative assessment of analytical models for the ULS resistance verification of structural glass elements under variable loads*”. **American Journal of Engineering and Applied Sciences**, 10(1): 229-242, doi: 10.3844/ajeassp.2017.229.242
38. Claudio Amadio, Chiara Bedon, Marco Fasan, Maria Rosaria Pecce (2017). “*Refined numerical modelling for the structural assessment of steel-concrete composite beam-to-column joints under seismic loads*”. **Engineering Structures**, 138: 394-409
39. Chiara Bedon, Christian Louter (2017). “*Finite Element analysis of post-tensioned SG-laminated glass beams with adhesively bonded steel tendons*”. **Composite Structures**, 167: 238-250
40. Chiara Bedon, Massimo Fragiacommo (2017). “*Three-dimensional modelling of notched connections for timber-concrete composite beams*”. **Structural Engineering International, Special Issue “Timber Structures”** – IABSE, 2/2017: 184-197, doi: 10.2749/101686617X14881932435295
41. Chiara Bedon, Massimo Fragiacommo (2017). “*Derivation of buckling curves for timber log-walls in accordance with the Eurocode 5*”. **European Journal of Wood and Wood Products**, 75(3): 449-465, doi: 10.1007/s00107-016-1083-5
42. Fabio Minghini, Chiara Bedon, Francesco Ascione, John Kaiser Calautit (2016). “*Editorial for the “FRP structures” Special Issue*”, **American Journal of Engineering and Applied Sciences – Special Issue “FRP Structures”**, 9(3): 439-441, doi: 10.3844/ajeassp.2016.439.441
43. Chiara Bedon (2016). “*Review on the use of FRP composites for façades and building skins*”. **American Journal of Engineering and Applied Sciences – Special Issue “FRP Structures”**, 9(3): 713-723, doi: 10.3844/ajeassp.2016.713.723
44. Chiara Bedon, Christian Louter (2016). “*Finite Element numerical simulation of the bending performance of post-tensioned structural glass beams with adhesively bonded CFRP tendons*”. **American Journal of Engineering and Applied Sciences – Special Issue “FRP Structures”**, 9(3): 680-691, doi: 10.3844/ajeassp.2016.680.691
45. Filipe Amarante dos Santos, Chiara Bedon (2016). “*Preliminary experimental and Finite-Element numerical assessment of the structural performance of SMA-reinforced GFRP systems*”. **American Journal of Engineering and Applied Sciences – Special Issue “FRP Structures”**, 9(3): 692-701, doi: 10.3844/ajeassp.2016.692.701
46. Corrado Chisari, Chiara Bedon (2016). “*Multi-objective optimization of FRP jackets for improving the seismic response of reinforced concrete frames*”. **American Journal of Engineering and Applied Sciences – Special Issue “FRP Structures”**, 9(3): 669-679, doi: 10.3844/ajeassp.2016.669-679
47. Chiara Bedon, Claudio Amadio, Li Chen, Vasant Matsagar, Frank Wellershoff, Xihong Zhang (2016). “*Advancements in Design, Analysis, and Retrofitting of Structures Exposed to Blast*”. **Advances in Civil Engineering – Editorial to the Special Issue “Advancements in Design, Analysis, and Retrofitting of Structures Exposed to Blast (BIAB)”**, Volume 2016, Article ID 1345478, 2 pages, doi: <http://dx.doi.org/10.1155/1345378>
48. Martin Larcher, Michel Arrigoni, Chiara Bedon, Ans van Doormaal, Christof Haberacker, Götz Hüsken, Oliver Millon, Arja Saarenheimo, George Solomos, Laurent Thamie, Georgios Valsamos, Andy Williams, Alexander Stolz (2016). “*Design of blast-loaded glazing windows and facades: a review of essential requirements towards standardization*”. **Advances in Civil Engineering – Special Issue “Advancements in Design, Analysis, and Retrofitting of Structures Exposed to Blast (BIAB)”**, Volume 2016, Article ID 2604232, 14 pages, doi: <http://dx.doi.org/10.1155>

49. Chiara Bedon, Filipe Santos (2016). "FE exploratory investigation on the performance of SMA-reinforced laminated glass panels". **Advanced Engineering Materials**, 18(8): 1478-1493, DOI: 10.1002/adem.2016
50. Chiara Bedon, Michele Dilena, Antonino Morassi (2016). "Ambient vibration testing and structural identification of a cable-stayed bridge". **Meccanica**, 51(11): 2777-2769, doi: 10.1007/s11012-016-0430-2
51. Chiara Bedon, Christian Louter (2016). "Finite-Element analysis of post-tensioned SG-laminated glass beams with mechanically anchored tendons". **Glass Structures & Engineering**, 1(1):19-37, **Special Issue "Challenging Glass"**, DOI: 10.1002/adem.2016
52. Filipe Santos, Chiara Bedon, Mariana Sacadura (2016). "Adaptive glass panels using shape-memory alloys". **Glass Structures & Engineering**, 1(1): 95-114, **Special Issue "Challenging Glass"**, doi: 10.1007/s40940-01
53. Roman Kalamar, Chiara Bedon, Martina Eliasova (2016). "Experimental assessment of the structural performance of square hollow glass columns". **Engineering Structures**, 113(4): 1-15
54. Chiara Bedon, Claudio Amadio (2016). "Shear glass panels with point-fixed mechanical connections: Finite-Element numerical investigation and buckling design recommendations". **Engineering Structures**, 112: 233-244
55. Chiara Bedon, Claudio Amadio (2016). "A Unified Approach for the Shear Buckling Design of Structural Glass Walls with Non-Ideal Restraints". **American Journal of Engineering and Applied Sciences**, 9(1): 64-78
56. Chiara Bedon, Claudio Amadio (2016). "Exploratory Finite-Element investigation and assessment of standardized design buckling criteria for two-side linear adhesively supported glass panels under in-plane shear loads". **Engineering Structures**, 106(1): 273-287
57. Filipe Santos, Corneliu Cismasiu, Chiara Bedon (2016). "Smart glazed cable façade subjected to a blast loading". **Structures and Buildings**, 169(3): 223-232, DOI: 10.1680/jstbu.14.00057
58. Chiara Bedon, Claudio Amadio (2016). "Analytical and numerical assessment of the strengthening effect of structural sealant joints for the prediction of the LTB critical moment in laterally restrained glass beams". **Materials and Structures**, 49(6): 2471-2492, DOI: 10.1617/s11527-015-0661-z
59. Chiara Bedon, Jan Belis, Claudio Amadio (2015). "Structural assessment and lateral-torsional buckling design of glass beams restrained by continuous sealant joints". **Engineering Structures**. 102(11): 214-229
60. Claudio Amadio, Chiara Bedon (2015). "Effect of circumferential sealant joints and metal supporting frames on the buckling behavior of glass panels subjected to in-plane shear loads". **Glass Structures & Engineering**, published online, DOI: 10.1007/s40940-015-0001-2
61. Corrado Chisari, Chiara Bedon, Claudio Amadio (2015). "Dynamic and static identification of base-isolated bridges using Genetic Algorithms". **Engineering Structures**, 102(11): 80-92.
62. Chiara Bedon, Claudio Amadio (2015). "Design buckling curves for glass columns and beams". **Proceedings of the ICE - Structures and Buildings. Special Issue "Structural Glass"**, 168(7): 514-526
63. Chiara Bedon, Giovanni Rinaldin, Massimo Fragiaco (2015). "Non-linear modelling of the in-plane seismic behaviour of timber 'Blockhaus' log-walls". **Engineering Structures**, 91(5): 112-124
64. Natalino Gattesco, Claudio Amadio, Chiara Bedon (2015). "Experimental and numerical study on the shear behavior of stone masonry walls strengthened with GFRP reinforced mortar coating and steel-cord reinforced repointing". **Engineering Structures**, 90(5): 143-157
65. Chiara Bedon, Giovanni Rinaldin, Matteo Izzi, Massimo Fragiaco, Claudio Amadio (2015). "Assessment of the structural stability of Blockhaus timber log-walls under in-plane compression via full-scale buckling experiments". **Construction & Building Materials**, 78(3): 474-490
66. Chiara Bedon, Massimo Fragiaco (2015). "Numerical and analytical assessment of the buckling behaviour of Blockhaus log-walls under in-plane compression". **Engineering Structures**, 82(1): 134-150
67. Claudio Amadio, Chiara Bedon (2015). "Flexural-torsional buckling behavior of eccentrically compressed laminated glass elements with viscoelastic PVB interlayer". **Journal of Structural Engineering**, 141(6), article 04014156, DOI: 10.1061/(ASCE)ST.1943-541X.0001128
68. Chiara Bedon, Massimo Fragiaco, Claudio Amadio, Carlotta Sadoch (2015). "Experimental study and numerical investigation of 'Blockhaus' shear walls subjected to in-plane seismic loads". **Journal of Structural**

69. Chiara Bedon, Claudio Amadio, Andrea Sinico (2014). "Numerical and analytical investigation on the dynamic buckling behavior of glass columns under blast". **Engineering Structures**, 79(11): 322-340
70. Chiara Bedon, Claudio Amadio (2014). "Exploratory numerical analysis of two-way straight cable-net façades subjected to air blast loads". **Engineering Structures**, 79(11): 276-289
71. Chiara Bedon (2014). **Editorial**. "Recent trends and challenges of energy efficient and sustainable buildings". **American Journal of Engineering and Applied Sciences**, 7(3): 292-294. Science Publications, ISSN (print): 1941-7020, (online): 1941-7039. Doi: 10.3844/ajeassp.2014.292.294. Free download: <http://thescipub.com/abstract/10.3844/ajeassp.2014.292.294>
72. Chiara Bedon, Christian Louter (2014). "Exploratory numerical analysis of SG-laminated reinforced glass beam experiments". **Engineering Structures**, 75(9): 457-468
73. Claudio Amadio, Chiara Bedon (2014). "FE assessment of dissipative devices for the blast mitigation of glazing façades supported by prestressed cables". **Structural Engineering & Mechanics - An International Journal**, 51(1): 141-162. DOI: <http://dx.doi.org/10.12989/sem.2014.51.1.141>
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