Prof. Ing. Anna Reggio, PhD

Curriculum Vitae

Personal information

Address	Politecnico di Torino, Department of Structural, Geotechnical and Building Engineering (DISEG). Corso Duca degli Abruzzi, 24 - 10129 Torino, Italy.
Phone	+39 011 0904848 (office) (mobile)
E-mail	anna.reggio@polito.it
Webpage	www.polito.it/en/staff?p=anna.reggio
Birth	
Nationality	
Civil status	
Languages	Italian (native), English (proficient), French (intermediate), German (basic)

Current position

since 2019 **Associate Professor of Solid and Structural Mechanics**,
Politecnico di Torino, Italy.
Department of Structural, Geotechnical and Building Engineering

Academic Field (Italy): s.c. 08/B2 – s.s.d. ICAR/08 – *Scienza delle Costruzioni*

ORCiD: 0000-0002-6884-0810

Academic appointments

2016 – 2019 **Assistant Professor of Solid and Structural Mechanics**,
Politecnico di Torino, Italy.
Department of Structural, Geotechnical and Building Engineering

2013 – 2015 **AXA Research Post-Doctoral Fellow**,
Sapienza Università di Roma, Italy.
Department of Structural and Geotechnical Engineering

2012 – 2013 **Research Associate**,
Sapienza Università di Roma, Italy.
Department of Aeronautical, Electrical and Energy Engineering

2011 – 2012 **Visiting Scholar**,
Columbia University, New York, USA.
Department of Civil Engineering and Engineering Mechanics, Fu Foundation School of Engineering and Applied Science (invited by Prof. Raimondo Betti).

Education

2007 – 2010 **PhD, Structural Engineering**, *Sapienza Università di Roma*, Italy, awarded on November 4, 2011.
Thesis: "Innovative technologies for the vibration control of equipment in critical facilities". Advisors: Prof. Vincenzo Ciampi, Prof. Maurizio De Angelis.
Ranked 1st in the competition for the admission to the PhD Program.

2005 – 2007 **MSc, Civil Engineering**, *Sapienza Università di Roma*, Italy, grade: 110/110 *summa cum laude*.
Thesis: "Mitigazione della risposta dinamica strutturale con masse accordate a dissipazione isteretica". Advisor: Prof. Walter Lacarbonara.

2001 – 2005 **BSc, Civil Engineering**, *Sapienza Università di Roma*, Italy, grade: 110/110 *summa cum laude*.
Thesis: "Analisi perturbativa di telai piani ad elevata rigidezza assiale". Advisor: Prof. Achille Paolone.

1999 – 2001 **Undergraduate studies, Law**, *Sapienza Università di Roma*, Italy, grade point average: 30/30.

1999 **Maturità Classica**, *Liceo classico "V. Simoncelli"*, Sora, Italy, grade: 100/100 with distinction.

Fellowships, honours and recognitions

2017 **FFABR Grant**, *Italian Ministry of University and Research.*
Awarded by competitive call, selection criteria: impact of the candidate's scientific publications according to bibliometric indicators.

2013 – 2015 **AXA Post-Doctoral Fellowship 2013**, *AXA Research Fund*, Paris, France. Duration: 24 months.
Awarded by international competitive call with double peer-review process through independent review panels (selection rate 15%). Selection criteria: academic excellence of the candidate; scientific merit of the research project; high potential for innovation, transformation and dissemination.

2014 **Recognition "30 anni del Dottorato Sapienza"**, *Sapienza Università di Roma.*
Awarded to distinguished PhD Alumni on the occasion of the 30th anniversary from the institution of the PhD Program at Sapienza Università di Roma.

2011 – 2012 **Research Fellowship for Visiting Scholars abroad**, *Sapienza Università di Roma.* Duration: 9 months.
Awarded by competitive call (ranked 1st). Funded as Visiting Scholar at Columbia University (New York, USA).

2011 – 2012 **Selected for the academic program "International Exchange Italian School" in New York**, *Honors Center of Italian Universities-H2CU.*
Hosted by H2CU College Italia (New York, USA) in the capacity of Visiting Scholar.

2010 **Graduation Prize**, *Fondazione Roma Sapienza*, Roma, Italy.
Awarded to the best MSc Graduates in Engineering at Sapienza Università di Roma in years 2007-2009.

2007–2010 **Doctoral Fellowship**, *Italian Ministry of University and Research.* Duration: 36 months.

Research

Competitive research grants awarded as Principal Investigator (PI) through peer-review

- **Principal Investigator**, project "*Resilience-based approach to seismic risk analysis*", project no. C26N15C5KW, funding body: Sapienza Università di Roma, funding amount: 2.000 €, duration: 12 months. Competitive call "Progetti per avvio alla ricerca anno 2015", with peer-review process, reserved to PhD under the age of 35 years. [01/05/2015 – 30/04/2016]
- **Principal Investigator**, project "*Continuity of essential services in the face of earthquake emergency: assessing, mitigating, monitoring seismic risk*", funding body: AXA Research Fund (Paris, France), funding amount: 120.000 €, duration: 24 months. International competitive call "AXA Research Post-Doctoral Fellowship 2013" with double peer-review process through independent review panels (selection rate 15%). Public webpage of the project: https://www.axa-research.org/en/project/anna-reggio. [01/10/2013 – 30/09/2015]
- **Principal Investigator**, project "*Elaborazione di protocolli sperimentali per la qualificazione sismica di impianti in strutture strategiche*", project no. C26N12NHNY, funding body: Sapienza Università di Roma, funding amount: 2.000 €, duration: 12 months. Competitive call "Progetti per avvio alla ricerca anno 2012", with peer-review process, reserved to PhD under the age of 35 years. [01/05/2012 – 30/04/2014]

Participation in research projects

- **Participant**, project "*Seismic and resilience analyses on the pavilions of Mauriziano Hospital in Torino*", funding body: Azienda Ospedaliera Ordine Mauriziano (Torino, Italy), duration: 24 months, coordinator Prof. B. Chiaia. [01/06/2021 – 31/05/2023]
- **Participant**, national project RELUIS 2019–2021, Work Package "*Speedy, low-impact and integrated seismic retrofitting interventions*", funding body: Italian Department of Civil Protection, duration: 24 months. Research Unit Politecnico di Torino, coordinator Prof. G.A. Ferro. [01/01/2019 – 31/12/2021]
- **Participant**, national project RELUIS 2018, Work Package "*Analysis of seismic retrofitting interventions on industrial buildings after Emilia 2012 earthquake*", funding body: Italian Department of Civil Protection, duration: 12 months. Research Unit Politecnico di Torino, coordinator Prof. G.A. Ferro. [01/01/2018 – 31/12/2018]
- **Participant**, national project RELUIS 2017, Work Package "*Innovative materials for applications on existing buildings*", funding body: Italian Department of Civil Protection, duration: 12 months. Research Unit Politecnico di Torino, coordinator Prof. G.A. Ferro. [01/01/2017 – 31/12/2017]
- **Participant**, project "*Electrical power systems availability in structures exposed to seismic hazard: hospitals and nuclear power plants*", funding body: Sapienza Università di Roma (scientific research call 2010), duration: 16 months, coordinator Prof. L. Martirano. [01/04/2012 – 31/03/2013]
- **Holder of a research contract**, project "*Controllo delle vibrazioni e monitoraggio della integrità di apparecchiature e componenti critici di impianti industriali a rischio di incidente rilevante a seguito di azioni sismiche*", funding body: Sapienza Università di Roma, Department of Structural and Geotechnical Engineering. [01/04/2011 – 30/04/2011]
- **Participant**, project "*Mitigazione della risposta sismica di apparecchiature e strutture strategiche mediante tecnologie innovative*", funding body: Sapienza Università di Roma (scientific research call 2010), duration: 16 months, coordinator Prof. M. De Angelis. [01/11/2010 – 31/03/2012]

- **Participant**, project "*Studio finalizzato all'applicazione delle tecnologie innovative per la protezione sismica di apparecchiature industriali rilevanti*", funding body: Sapienza Università di Roma (scientific research call 2009), duration: 16 months, coordinator Prof. M. De Angelis. [01/11/2009 – 31/03/2011]

Laboratory research experience

- **Risk on Constructions Laboratory**, *Politecnico di Torino*, Italy. Designed, performed and analysed static mechanical characterisation tests of high-performance cementitious composites with carbon-based micro- and nano-aggregates or self-healing properties. Within the research group coordinated by Prof. G.A. Ferro. [2016 – 2019]
- **Robert A.W. Carleton Strength of Materials Laboratory**, *Columbia University*, New York, USA. Designed, performed and analysed dynamic (shaking table) tests of reduced-scale mechanical models. Developed constitutive modelling and vibration-based identification of viscoelastic and hysteretic mechanical systems. Within the research group coordinated by Prof. R. Betti. [2011 – 2012]
- **Materials and Structures Laboratory**, *Sapienza Università di Roma*, Italy. Designed, performed and analysed static mechanical characterisation tests of steel wire ropes. Within the research group coordinated by Prof. M. De Angelis. [2010 – 2011]
- **ENEA Casaccia Research Center**, *Italian National Agency for New Technologies, Energy and Sustainable Economic Development*, Roma, Italy. Designed, performed and analysed dynamic (shaking table) tests on: full-scale nonlinear hysteretic isolators (Earlyprot©, patent ENEA); reduced-scale models of frame structures equipped with Tuned Mass Damper (TMD). Within the Seismic Qualification Lab group coordinated by Dott. Gerardo De Canio. [2009]

Teaching

Undergraduate

since 2019/20 *Scienza delle Costruzioni* (Structural Mechanics), Politecnico di Torino, BSc in Architecture, hours no: 60 per year.

2021/22 *Scienza delle Costruzioni* (Structural Mechanics), Politecnico di Torino, BSc in Civil Engineering, hours no: 40 per year (contributing lecturer).

2018/19 *Fondamenti di Meccanica Strutturale* (Fundamentals of Structural Mechanics), Politecnico di Torino, BSc in Energy Engineering, hours no: 20 per year (contributing lecturer).

since 2008/09 to 2012/13 *Scienza delle Costruzioni* (Structural Mechanics), Sapienza Università di Roma, BSc in Environmental and Building Engineering, hours no: 45 per year (graduate teaching assistant).

Graduate

since 2021/22 to 2022/23 *Dynamics of Structures*, Politecnico di Torino, MSc in Civil Engineering, hours no: 20 per year (contributing lecturer). Taught in English.

since 2016/17 to 2019/20 *Scienza delle Costruzioni II* (Advanced Structural Mechanics), Politecnico di Torino, MSc in Civil Engineering, hours no: 40 per year (contributing lecturer).

2017/18 *Structural Mechanics*, Politecnico di Torino, MSc in Petroleum Engineering, hours no: 20 per year (contributing lecturer). Taught in English.

2016/17 *Dinamica delle Strutture e applicazioni sismiche* (Dynamics of Structures and seismic applications), Politecnico di Torino, PhD course in Structural Engineering, hours no: 10 per year (contributing lecturer).

2016/17 *Strutture speciali* (Special Structures), Politecnico di Torino, MSc in Building Engineering, hours no: 4.5 per year (contributing lecturer).

since 2007/08 to 2012/13 *Statica* (Statics), Sapienza Università di Roma, MSc in Building Engineering, hours no: 60 per year (graduate teaching assistant).

2007/08 *Scienza delle Costruzioni* (Structural Mechanics), Sapienza Università di Roma, MSc in Building Engineering, hours no: 60 per year (graduate teaching assistant).

Academic service

Scientific evaluation and review Committes

2022 External Reviewer, PhD Thesis, *Indian Institute of Technology Roorkee*, Roorkee, India.
Dr. Mohd Iqbal, PhD in Mechanical Engineering.

2022 External Reviewer, PhD Thesis, *Università dell'Aquila*, L'Aquila, Italy.
Dr. Stefano Pagliaro, PhD in Civil, Building and Environmental Engineering.

2022 External Reviewer, PhD Thesis, *Sapienza Università di Roma*, Italy.
Dr. Daniele Zahedin Labaf, PhD in Structural and Geotechnical Engineering.

2022 External Reviewer, Research quality assessment of the Italian Universities and Research Institutes (VQR 2015-2019), *Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR)*, Italy.

2019 Member, Selection Committee for a position of assistant professor of Solid and Structural Mechanics (Commissione Giudicatrice per la procedura di valutazione comparativa per la copertura di un ricercatore a t.d. ex l. 240/2010 art.24 c.3-a, ssd ICAR/08), *Scuola IMT Alti Studi*, Lucca, Italy.

Institutional responsibilities

2022 - 2024 Referent for the Teaching Quality Assurance (Referente per la Qualità della Didattica), *Dept. of Structural, Geotechnical and Building Engineering, Politecnico di Torino*, Italy.

2019 - 2022 President, Selection Committee for the assignment of teaching duties in the field of Solid and Structural Mechanics (Presidente della Commissione Giudicatrice per la selezione di docenza esterna ssd ICAR/08), *Politecnico di Torino*, Italy.

2014 - 2015 Representative (elected) of Post-Doctoral Fellows in the Department Council, *Dept. of Structural and Geotechnical Engineering, Sapienza Università di Roma*, Italy.

Boards

since 2019 Member, Board of the School of Architecture, *Politecnico di Torino*, Italy.

2019 - 2021 Member, Board of the PhD in Civil and Environmental Engineering, *Politecnico di Torino*, Italy.

2016 - 2023 Invited member, Board of the School of Civil Engineering, *Politecnico di Torino*, Italy.

Editorial activities

Reviewer for the following international scientific journals, indexed in SCOPUS/WOS: Engineering Structures (Elsevier, ISSN 0141-0296); European Journal of Mechanics – A/Solids (Elsevier, ISSN: 0997-7538); Meccanica (Springer, ISSN: 0025-6455); Journal of Sound and Vibration (Elsevier, ISSN: 0022-460X); Journal of Vibration and Control (SAGE Publications, ISSN: 1077-5463); Mechanical Systems and Signal Processing (Elsevier, ISSN: 0888-3270); Earthquake Engineering & Structural Dynamics (John Wiley & Sons, ISSN: 0098-8847); Earthquake Engineering and Engineering Vibration (Springer, ISSN: 1671- 3664); Bulletin of Earthquake Engineering (Springer , ISSN: 1570-761X); Journal of Earthquake Engineering (Taylor & Francis, ISSN: 1363-2469); Journal of Engineering Mathematics (Springer, ISSN: 0022-0833).

Consulting

since 2019 Member, Technical Committee on the seismic monitoring of dams, *Italian Commission on Large Dams* (ITCOLD), Roma, Italy.

2007 - 2012 Consulting Professional Civil Engineer, *CONTEST S.r.l.*, Roma, Italy.
Consulted for a Civil Engineering firm working for eminent public authorities and private companies.

duties
- Analysed non-destructive tests on structures (civil and industrial buildings, bridges, steel tendons) to the purposes of health monitoring during both construction and maintenance phases.
- Analysed dynamic tests for the vibration-based identification of bridges.
- Developed Finite Element (FE) models of structural systems for static and dynamic analyses, seismic analyses, code verifications.

main activities
- High-speed railway section Milano-Bologna (Italy), cable-stayed bridge over River Po, analysed the dynamic tests for the identification of the stay-cables damping properties. On behalf of ASG S.c.a.r.l. for Ferrovie dello Stato Italiane (Italian State Railways). [2007]
- High-speed railway section Torino-Milano (Italy), analysed the experimental tests for the measurements of the aerodynamic pressures transmitted by trains to the noise barriers. On behalf of Consorzio CAV.To.Mi. for Ferrovie dello Stato Italiane (Italian State Railways). [2007 – 2008]
- Highway A4 Torino-Venezia (Italy), analysed dynamic identification tests of a pedestrian bridge. On behalf of Consorzio CAV.To.Mi. for Ferrovie dello Stato Italiane (Italian State Railways). [2008]
- Feasibility study "Rehabilitation of the Railway between Tbilisi (Georgia) and Yerevan (Armenia): technical, operational and economic survey" funded by the European Commission (EuropeAid/125283/C/SER/Multi). [2008-2009]
- Steel arch bridge over River Rusizi (Rwanda), analysed non-destructive tests and developed a FE model of the bridge for ultimate (safety, stability) and serviceability limit state verifications. [2009]
- Prestressed reinforced concrete bridge damaged by fire in Zaria (Nigeria), analysed non-destructive tests and load tests, carried out ultimate limit state verifications. [2009]

- Cable-stayed bridge over River Kwanza (Angola), analysed non-destructive tests and dynamic identification tests. [2010]
- Cable-stayed bridge over Santa Apolonia railway station (Lisbon, Portugal), analysed non-destructive tests and dynamic tests on the bridge, elaborated the corrective and preventive (long-term) maintenance plans. [2010]
- Feasibility study on an Early Warning System for the floods of rivers Bisagno and Fereggiano in Genova (Italy), on behalf of Liguria Regional Government, Genova Municipality and Italian Civil Protection Department. [2012]

Affiliations

since 2018 Member, *European Mechanics Society* (EUROMECH).

since 2017 Member, *Italian Society of Solid and Structural Mechanics* (SISCo).

since 2009 Member, *Italian Society of Theoretical and Applied Mechanics* (AIMETA).

since 2008 Member (no. A29698), *Register of the Professional Engineers of Rome* (Ordine degli Ingegneri della Provincia di Roma), Italy.

2007 **License, Professional Civil Engineer**, *Sapienza Università di Roma*, Italy.

Personal competences

Languages

(levels according to CEFR - Common European Framework of Reference)

Italian Mother tongue

English C1 *Proficient User*

French B1 *Intermediate User*

"Diplôme d'Études en Langue Française" (DELF), niveau B1, awarded by Centre Saint Louis, Ambassade de France, Roma (Italy).

German A1 *Basic User*

Language Center "Deutsch in Österreich", University of Klagenfurt (Austria), 2014.

Faculty training

2023 *Training on Horizon Europe programme 2021-27*, Politecnico di Torino, funded by the Italian Ministry of University and Research (MUR), hours no: 19.

2022 *Improve your pronunciation for teaching in English*, Politecnico di Torino, Teaching and Language Lab (TLlab), hours no: 6.

2018 *Course on PhD Supervision*, Politecnico di Torino, hours no: 18.

2017 *Learning to teach in Higher Education*, Politecnico di Torino, hours no: 34.

Career breaks

Attached: list of publications.

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Autorizzo il trattamento dei dati personali ai sensi del Regolamento UE n. 2016/679.
Autorizzo il trattamento dei dati personali ai sensi del d.l. 196/2003.

January 15th, 2024

Signature
Anna Reggio

List of publications

Books

- De Angelis M., Reggio A., Ruta G. (Eds.) Hibbeler R.C. *Meccanica dei Solidi e delle Strutture. Teoria e applicazioni*, 11th Edition. Pearson Italia, Milano, 2023. ISBN: 9788891906793.

Patents

- Patent "*Sistema per impedire il collasso di un edificio, in particolare una struttura prefabbricata in calcestruzzo armato, per perdita di appoggio di almeno un elemento strutturale orizzontale, e relativo metodo*", Inventors: Giuseppe Andrea Ferro, Luciana Restuccia, Anna Reggio, filed by Politecnico di Torino, priority number 2017IT-TO05898 (Italy), priority date 03/08/2017.

Peer-reviewed International Journals (SCOPUS/WOS)

- De Biagi V., Reggio A., Rosso M.M., Sardone L. (2024). Nondimensional Shape Optimization of Nonprismatic Beams with Sinusoidal Lateral Profile. *ASCE Journal of Structural Engineering*, 150 (1), article number 04023191. doi: 10.1061/JSENDH.STENG-12493
- Reggio A., Greco R., Marano G. C., Ferro, G. A. (2020). Stochastic Multi-objective Optimisation of Exoskeleton Structures. *Journal of Optimization Theory and Applications*, 187, 822-841. doi: 10.1007/s10957-020-01778-8
- Reggio A., Restuccia L., Martelli L., Ferro G.A. (2019). Seismic performance of exoskeleton structures. *Engineering Structures*, 198, article number 109459. doi: 10.1016/j.engstruct.2019.109459
- Venuti F., Reggio A. (2018). Mitigation of human-induced vertical vibrations of footbridges through crowd flow control. *Structural Control and Health Monitoring*, 25 (12), article number e2266. doi: 10.1002/stc.2266
- Restuccia L., Reggio A., Ferro, G.A., Kamranirad, R. (2017). Fractal analysis of crack paths into innovative carbon-based cementitious composites. *Theoretical and Applied Fracture Mechanics*, 90, 133-141. doi: 10.1016/j.tafmec.2017
- Reggio A., De Angelis M. (2015). Optimal energy-based seismic design of non- conventional tuned mass damper implemented via inter-story isolation. *Earthquake Engineering and Structural Dynamics*, 44, 1623-1642. doi: 10.1002/eqe.2548
- Reggio A., De Angelis M. (2015). Modelling and identification of structures with rate-independent linear damping. *Meccanica*, 50 (3), 617-632. doi: 10.1007/s11012-014-0046-3

- Reggio A., De Angelis M. (2014). Combined primary secondary system approach to the design of an equipment isolation system with High- Damping Rubber Bearings *Journal of Sound and Vibration*, 333(9), 2386- 2403. doi: 10.1016/j.jsv.2013.12.0
- Parise G., De Angelis M., Reggio A. (2014). Criteria for the Definition of the Equipment Seismic Levels (ESL): comparisons between USA and European Codes. *IEEE Transactions on Industry Applications*, 50(3), 2135-2141. doi: 10.1109/TIA.2013.2289 947
- Reggio A., De Angelis M., Betti R. (2013). A state-space methodology to identify modal and physical parameters of non- viscously damped systems. *Mechanical Systems and Signal Processing*, 41(1), 380-395. doi: 10.1016/j.ymssp.2013.0 7.002
- Reggio A., De Angelis M. (2013). Optimal design of an equipment isolation system with nonlinear hysteretic behaviour. *Earthquake Engineering and Structural Dynamics*, 42(13), 1907-1930. doi: 10.1002/eqe.2304
- De Angelis M., Perno S., Reggio A. (2012). Dynamic response and optimal design of structures with large mass ratio TMD. *Earthquake Engineering and Structural Dynamics*, 41(1), 41-60. doi: 10.1002/eqe.1117

National Journals

- Devitofranceschi A., Codacci-Pisanelli E., Reggio A. (2009) Una campagna di indagini strutturali e il rilevamento di ponti esistenti. *Strade e Autostrade*, 74, 88-93. ISSN: 1723-2155

Conference proceedings

- Codacci-Pisanelli E., Reggio A. (2024) Non-Destructive Testing of a Cable-Stayed Bridge in Lisbona. In: Aiello M.A., Bilotta A. (eds) Proceedings of Italian Concrete Conference 2022. *Lecture Notes in Civil Engineering*, vol 435. Springer. doi: 10.1007/978-3-031-43102-9_35
- Abbracciavento L., Chiaia B., De Biagi B., Reggio A. (2023) Seismic analysis of medical equipment in Ospedale Mauriziano (Torino): a resilience-based approach. *Procedia Structural Integrity*, 44, 750-757, in: Proceedings of the XIX ANIDIS Conference - Seismic Engineering in Italy. Torino (Italy), September, 11-15. doi: 10.1016/j.prostr.2023.01.098
- Codacci-Pisanelli E., Reggio A. (2022) Indagini non distruttive su un ponte strallato in Lisbona. In: *Il calcestruzzo nella transizione ecologica - Atti Italian Concrete Conference 2022 (ICC 2022)*. Napoli (Italy), October 12-15, pp. 601-606. ISBN: 978-88-99916-64-0
- Reggio A., Restuccia L., Menardi A., Corrado V., Ferro, G.A. (2019) Integrated, sustainable, low-impact retrofitting through exoskeleton structures: a case study. In: *Proceedings of XVIII Convegno ANIDIS - L'ingegneria Sismica in Italia.* Ascoli Piceno (Italy), September 15-19, 2019, pp. SG13-192 – SG13-198. ISBN: 9788833392561
- Cosentino I., Reggio A., Restuccia L., Ferro G.A. (2019) Cyclic uniaxial testing and constitutive modelling of cementitious composite materials. In: *Book of abstracts of the XXIV Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata (AIMETA 2019)*. Roma, September 15-19, 2019.

- Venuti F., Reggio A. (2018) Comparison between structure- and crowd-based mitigation strategies on vibrating footbridges. In: *Proceedings of the 9th International Conference on Bridge Maintenance, Safety and Management (IABMAS 2018)*. Melbourne (Australia), July 9-13, 2018. ISBN: 978-1-138-73045-8
- Reggio A., Restuccia L., Ferro G.A. (2018) Feasibility and effectiveness of exoskeleton structures for for seismic protection. *Procedia Structural Integrity*, 9, 303-310. In: Proceedings of the Italian Group of Fracture (IGF) Workshop "Fracture and Structural Integrity". Cassino (Italy), June 4-9, 2018. doi: 10.1016/j.prostr.2018.06.020
- Restuccia L., Reggio A., Ferro G.A., Tulliani J.M. (2017) New self-healing techniques for cement- based materials. *Procedia Structural Integrity*, 3, 253-260. In: Proceedings of the XXIV Italian Group of Fracture (IGF) Conference. Urbino (Italy), March 1-3, 2017. doi: 10.1016/j.prostr.2017.04.016
- Reggio A., De Bellis M.L. (2015) A finite element formulation for dynamic systems with frequency-independent material damping. In: *Book of abstracts of the XXII Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata (AIMETA 2015)*. Genova (Italy), September 14-17, 2015.
- Reggio A., De Bellis M.L. (2015) Time domain dynamic analysis in presence of frequency-independent material damping: a finite element formulation. In: *Book of abstracts of the 5th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2015)*. Crete, Greece, May 25-27, 2015. Abstract no. C1515.
- Reggio A., De Angelis M. (2014) Optimization of a non-conventional TMD implemented via inter-storey isolation. In: *Proceedings of the 9th International Conference on Structural Dynamics (EURODYN 2014)*. Porto, Portugal, June 30 - July 2, 2014, p. 1713-1720. ISBN: 978-972-752-165-4
- Parise G., Martirano L., Parise L., De Angelis M., Reggio A., Weber J. (2013) Seismic Qualification of Electrical Equipment in Critical Facilities. In: *Proceedings of the 49th IEEE/IAS Industrial and Commercial Power Systems Technical Conference (I&CPS 2013)*. Stone Mountain (GA, USA), April 30 - May 3, 2013. Article no. 6547338. doi: 10.1109/ICPS.2013.6547338
- Parise, G., De Angelis M., Reggio A. (2013) Criteria for the definition of the Equipment Seismic Levels (ESL): comparisons between USA and European Codes. *Proceedings of 2013 IEEE Industry Applications Society Annual Meeting (IAS 2013)*. Orlando (FL, USA), October 6-11, 2013. Article no.6682596. doi: 10.1109/IAS.2013.6682596
- Parise G., Martirano L., Parise L., De Angelis M., Reggio A., Perno S. (2013) Seismic Qualification Categories (EQC) of Electrical Equipment. *Proceedings of 2013 IEEE Industry Applications Society Annual Meeting (IAS 2013)*. Orlando (FL, USA), October 6-11, 2013. Article no.6682595. doi:10.1109/IAS.2013.6682595
- Priori C., De Angelis M., Reggio A. (2013) Identificazione ad input incognito di ponti isolati con HDRB mediante risposte ad azioni sismiche. In: *Proceedings of XV Convegno ANIDIS - L'ingegneria Sismica in Italia*. Padova (Italy), June 30 - July 4, 2013. ISBN: 9788897385592

- Reggio A., De Angelis M. (2013) State-space identification of non- viscously damped systems. In: *Proceedings of the XXI Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata (AIMETA 2013)*, Torino (Italy), September 17-20, 2013. ISBN: 9788882391836
- Reggio A., De Angelis M. (2012) Optimal design of a passive nonlinear isolation system for the seismic protection of equipment. In: *Proceedings of the 5th European Conference on Structural Control (EACS 2012)*. Genova (Italy), June 18-20, 2012. Paper no. 070. ISBN: 9788895023137
- Parise, G., De Angelis M., Reggio A. (2011) A Darwinian Evolution Of Electrical Power Systems Design For Preventing Seismic Risk In Sensitive Buildings. *Proceedings of 2011 IEEE Industrial & Commercial Power Systems Technical Conference (I&CPS 2011)*. Newport Beach (CA, USA), May 1-5, 2011. Article no. 5890889. doi:10.1109/ICPS.2011.5890889
- Reggio A., De Angelis M., (2011) Feasibility of a passive isolation system with non-linear hysteretic behaviour for the seismic protection of critical equipment. In: *Proceedings of XIV Convegno ANIDIS - L'ingegneria Sismica in Italia*. Bari (Italy), September 18-22, 2011. ISBN: 9788875220402
- Reggio A., De Angelis M. (2011) . In: *Proceedings of the XX Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata (AIMETA 2011)*. Bologna (Italy), September 12-15, 2011. ISBN: 9788890634017
- Reggio A., De Angelis M. (2009) Controllo della risposta dinamica di strutture dotate di TMD ad elevato rapporto di massa: analisi numeriche e sperimentali. In: *Proceedings of the XIX Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata (AIMETA 2009)*. Ancona (Italy), September 14-17, 2009. ISBN: 9788896378083
- De Angelis M., Perno S., Reggio A., De Canio G., Ranieri N. (2009) Prove sperimentali su tavola vibrante di un telaio in scala 1:5 dotato di isolamento di piano. In: *Proceedings of the XIII Convegno ANIDIS - L'ingegneria Sismica in Italia*. Bologna (Italy), June 28 - July 2, 2009.ISBN: 9788890429200
- De Angelis M., Perno S., Reggio A., De Canio G., Ranieri N. (2009) Shaking table tests on a passive equipment isolation system for earthquake protection. In: *Proceedings of 2009 ASME Pressure Vessels and Piping Division Conference (PVP 2009)*. Prague (Czech Republic), July 26- 30, 2009. ASME PVP Publication, vol.8, pp. 263-272. doi: 10.1115/PVP2009-77764
- Codacci- Pisanelli E., Reggio A. (2008) Analisi vibrazionali: applicazioni agli stralli da ponte. In: *Proceedings of the III Workshop sui problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche*. Perugia (Italy), September 11-12, 2008. ISBN: 9788860743565

Dissertations

- Reggio A. *Innovative technologies for the vibration control of equipment in critical facilities.* PhD Thesis in Structural Engineering, Sapienza Università di Roma, 2011. Open access from database IRIS Sapienza Università di Roma, https://hdl.handle.net/11573/916968.
- Reggio A. *Mitigazione della risposta dinamica con masse accordate a dissipazione isteretica.* MSc Thesis in Civil Engineering, Sapienza Università di Roma, 2007.

Scientific dissemination to general audience

- Interview "Anna Reggio: «In caso di sisma prevenire è isolare»", Wise Society, November 5, 2015 (in Italian). https://wisesociety.it/incontri/anna-reggio-in-caso-di-sisma-prevenire-e-isolare/
- Article "Retomber sur ses pieds après un tremblement de terre", My Science Work, February 16, 2015. https://www.mysciencework.com/omniscience/science-pops-open-ep-3-retomber-sur-ses-pieds-apres-un-tremblement-de-terre
- Video interview "Seismic risk and operational continuity", AXA Research Fund Live, June 20, 2014. https://www.youtube.com/watch?v=QVOeUAGfL24