**CURRICULUM VITAE**

| | |
|---|---|
| **SURNAME AND NAME** | **REGGIO ANNA** |
| **Home Address** | |
| **Phone number** | |
| **Fax number** | |
| **E-mail address** | |
| **Nationality** | |
| **Birth date** | |

**Current Academic Position**

| | |
|---|---|
| Qualification/Title | **Associate Professor** |
| Department | **Department of Structural, Geotechnical and Building Engineering (DISEG)** |
| Academic Recruitment Field<br>(*"Settore Concorsuale")* | **08/B2 – Scienza delle Costruzioni** |
| Academic Discipline<br>(*"Settore Scientifico Disciplinare"*) | **ICAR/08 – Scienza delle Costruzioni** |

**Working experience**

| | |
|---|---|
| Dates ( from .. to..) | from 02/05/2016 to 01/05/2019 |
| Name and address of the Employer | **Politecnico di Torino** (Torino, Italy) |
| Position held (for positions in Universities, the candidate should indicate the Faculty/College/School and the Department; in case of Italian Universities the candidate is also requested to indicate the *"Settore Scientifico Disciplinare", S.S.D.*) | **Assistant Professor with time contract**<br>(*Ricercatore Universitario a Tempo Determinato ex articolo 24 comma 3-B Legge 240/2010*)<br>Department of Structural, Geotechnical and Building Engineering (DISEG). S.S.D. ICAR/08. |
| Main activities/responsibilities | Scientific research activities on: innovative carbon-based cementitious composites; structural vibration control under earthquake and human-induced excitation. Management of research and technology transfer projects. Teaching activities. |

| | |
|---|---|
| Dates ( from .. to..) | from 01/10/2013 to 30/09/2015 |
| Name and address of the Employer | **Sapienza Università di Roma** (Roma, Italy) |
| Position held (for positions in Universities, the candidate should indicate the Faculty/College/School and the Department; in case of Italian Universities the candidate is also requested to indicate the *"Settore Scientifico Disciplinare"*) | **Research Associate**<br>Department of Structural and Geotechnical Engineering (DISG), School of Civil and Industrial Engineering, S.S.D. ICAR/08. |
| Main activities/responsibilities | Holder of an AXA Research Post-Doctoral Fellowship. Principal Investigator of the scientific research project "Continuity of essential services in the face of earthquake emergency: assessing, mitigating and monitoring seismic risk". |

| | |
|---|---|
| Dates ( from .. to..) | from 01/04/2012 to 31/03/2013 |
| Name and address of the Employer | **Sapienza Università di Roma** (Roma, Italy) |
| Position held (for positions in Universities, the candidate should indicate the Faculty/College/School and the Department; in case of Italian Universities the candidate is also requested to indicate the *"Settore Scientifico Disciplinare"*) | **Research Associate**<br>Department of Astronautical, Electrical and Energetic Engineering (DIAEE), School of Civil and Industrial Engineering, S.S.D. ING-IND/33. |
| Main activities/responsibilities | Scientific research activities within the multidisciplinary project "Electrical power systems availability in structures exposed to seismic hazard: hospitals and nuclear power plants". Scientific Advisors: Prof. Maurizio De Angelis, Prof. Giuseppe Parise. Teaching activities. |

| | |
|---|---|
| Dates ( from .. to..) | from 10/04/2011 to 25/01/2012 |
| Name and address of the Employer | **Columbia University** (New York, USA) |
| Position held (for positions in Universities, the candidate should indicate the Faculty/College/School and the Department; in case of Italian Universities | **Visiting Scholar**<br>(Holder of a Fellowship from Sapienza Università di |

| | |
|---|---|
| the candidate is also requested to indicate the *"Settore Scientifico Disciplinare"*) | Roma "Borsa di studio di perfezionamento all'estero", legge 398/1989, area CUN 8).<br>Department of Civil Engineering and Engineering Mechanics, Fu Foundation School of Engineering and Applied Science. |
| Main activities/responsibilities | Scientific research activities on: constitutive modelling and dynamic identification of viscoelastic and hysteretic mechanical systems. Scientific Advisor: Prof. Raimondo Betti. |

| | |
|---|---|
| Dates ( from .. to..) | from 01/04/2011 to 30/04/2011 |
| Name and address of the Employer (Public or/and private institution/body) | **Sapienza Università di Roma** (Roma, Italy) |
| Position held (for positions in Universities, the candidate should indicate the Faculty/College/School and the Department; in case of Italian Universities the candidate is also requested to indicate the *"Settore Scientifico Disciplinare"*) | **Holder of a Research Contract**<br>Department of Structural and Geotechnical Engineering (DISG), School of Civil and Industrial Engineering, S.S.D. ICAR/08. |
| Main activities/responsibilities | Scientific research activities within the project "Controllo delle vibrazioni e monitoraggio dell'integrità di apparecchiature e componenti critici di impianti industriali a rischio di incidente rilevante a seguito di azioni sismiche". Scientific Advisor: Prof. Maurizio De Angelis. |

| | |
|---|---|
| Dates ( from .. to..) | 09/02/2009 – 31/10/2009 |
| Name and address of the Employer (Public or/and private institution/body) | **ENEA** (Roma, Italy)<br>(Italian National Agency for New Technologies, Energy and Sustainable Economic Development) |
| Position held (for positions in Universities, the candidate should indicate the Faculty/College/School and the Department; in case of Italian Universities the candidate is also requested to indicate the *"Settore Scientifico Disciplinare"*) | **Scientific trainee**<br>Casaccia Research Centre, Seismic Qualification Laboratory. |
| Main activities/responsibilities | Design, execution and analysis of dynamic shaking table tests on seismic isolators and Tuned Mass Dampers. |

**Mandatory career breaks**

| | |
|---|---|
| Dates ( from .. to..) | from 30/06/2016 to 30/11/2016 (5 months) |
| Reason of the career break | **Maternity leave** |

| | |
|---|---|
| Dates ( from .. to..) | from 26/04/2017 to 19/06/2017 (2 months) |
| Reason of the career break | **Medical leave** |

**Education and Training**

| | |
|---|---|
| Date | 04/11/2011 |
| Institution which issued the degree | **Sapienza Università di Roma** (Roma, Italy) |
| Type of Degree awarded (only Bachelor's Degree, Master of Science's Degree, PhD) | **PhD in Structural Engineering** (*Dottorato di Ricerca in Ingegneria delle Strutture*)<br>Awarded with distinction (*giudizio finale: ottimo*).<br>PhD Thesis "Innovative technologies for the vibration control of equipment in critical facilities", PhD Supervisor: Prof. Vincenzo Ciampi.<br>Ranked 1st in the competitive selection for the admission to the PhD program. Holder of a doctoral fellowship from the Italian Ministry of Education, University and Research. |

| | |
|---|---|
| Date | 21/09/2007 |
| Institution which issued the degree | **Sapienza Università di Roma** (Roma, Italy) |
| Type of Degree awarded (only Bachelor's Degree, Master of Science's Degree, PhD) | **Master of Science in Civil Engineering** (*Laurea Specialistica in Ingegneria Civile, classe 28/S*)<br>Final grade: 110 *summa cum laude*/110.<br>Dissertation "Mitigazione della risposta dinamica strutturale con masse accordate a dissipazione isteretica", Supervisor: Prof. Walter Lacarbonara. |

| | |
|---|---|
| Date | 28/02/2005 |
| Institution which issued the degree | **Sapienza Università di Roma** (Roma, Italy) |
| Type of Degree awarded (only Bachelor's Degree, Master of Science's Degree, PhD) | **Bachelor of Science in Civil Engineering** (*Laurea in Ingegneria Civile, classe 8*)<br>Final grade: 110 *summa cum laude*/110.<br>Dissertation "Analisi perturbativa di telai piani con elevati rapporti di rigidezza", Supervisor: Prof. Achille Paolone. |

**List of publications**

**Peer-reviewed international journals and book series indexed in SCOPUS/WOS**

| # | Title | Authors | Publisher | Place and date of publication |
|---|---|---|---|---|
| 1 | Mitigation of human-induced vertical vibrations of footbridges through crowd flow control. | Venuti F., Reggio A. | John Wiley and Sons Ltd | *Structural Control and Health Monitoring*, 25 (12), article number e2266, 2018. DOI: 10.1002/stc.2266 ISSN: 1545-2255 IF = 3.622 CIT = 0 |
| 2 | Feasibility and effectiveness of exoskeleton structures for for seismic protection. | Reggio A., Restuccia L., Ferro G.A. | Elsevier | *Procedia Structural Integrity*, 9, 303-310, 2018. DOI:10.1016/j.prostr.2018.06.020 ISSN: 2452-3216 |
| 3 | Fractal analysis of crack paths into innovative carbon-based cementitious composites. | Restuccia L., Reggio A., Ferro, G.A., Kamranirad, R. | Elsevier | *Theoretical and Applied Fracture Mechanics*, 90, 133-141, 2017. DOI:10.1016/j.tafmec.2017.03.016 ISSN: 0167-8442 IF = 2.215 CIT = 4 |
| 4 | New self-healing techniques for cement-based materials. | Restuccia L., Reggio A., Ferro G.A., Tulliani J.M. | Elsevier | *Procedia Structural Integrity*, 3, 253-260, 2017. DOI:10.1016/j.prostr.2017.04.016 ISSN: 2452-3216 |
| 5 | Optimal energy-based seismic design of non-conventional tuned mass damper implemented via inter-story isolation. | Reggio A., De Angelis M. | John Wiley and Sons Ltd | *Earthquake Engineering and Structural Dynamics*, 44, 1623-1642, 2015. DOI: 10.1002/eqe.2548 ISSN: 0098-8847 IF = 2.807 CIT = 31 |
| 6 | Modelling and identification of structures with rate-independent linear damping. | Reggio A., De Angelis M. | Springer | *Meccanica*, 50 (3), 617-632, 2015. ISSN: 0025-6455. DOI: 10.1007/s11012-014-0046-3 IF = 2.211 CIT = 4 |
| 7 | Combined primary secondary system approach to the design of an equipment isolation system with High- Damping Rubber Bearings | Reggio A., De Angelis M. | Elsevier | *Journal of Sound and Vibration*, 333 (9), 2386-2403, 2014. DOI:10.1016/j.jsv.2013.12.006 ISSN: 0022-460X IF = 2.618 CIT = 12 |

| | | | | |
|---|---|---|---|---|
| 8 | Criteria for the Definition of the Equipment Seismic Levels (ESL): comparisons between USA and European Codes. | Parise G., De Angelis M., Reggio A. | Institute of Electrical and Electronics Engineers (IEEE) | *IEEE Transactions on Industry Applications*, 50 (3), 2135-2141, 2014.<br>DOI:10.1109/TIA.2013.2289947<br>ISSN: 0093-9994<br>IF = 2.743<br>CIT = 5 |
| 9 | A state-space methodology to identify modal and physical parameters of non-viscously damped systems. | Reggio A., De Angelis M., Betti R. | Elsevier | *Mechanical Systems and Signal Processing*, 41 (1), 380-395, 2013.<br>DOI:10.1016/j.ymssp.2013.07.002<br>ISSN: 0888-3270<br>IF = 4.370<br>CIT = 7 |
| 10 | Optimal design of an equipment isolation system with nonlinear hysteretic behaviour. | Reggio A., De Angelis M. | John Wiley and Sons Ltd | *Earthquake Engineering and Structural Dynamics*, 42 (13), 1907-1930.<br>Anno: 2013<br>DOI: 10.1002/eqe.2304<br>ISSN: 0098-8847<br>IF =2.807<br>CIT = 13 |
| 11 | Dynamic response and optimal design of structures with large mass ratio TMD. | De Angelis M., Perno S., Reggio A. | John Wiley and Sons Ltd | *Earthquake Engineering and Structural Dynamics*, 41 (1), 41-60.<br>Anno: 2012<br>DOI: 10.1002/eqe.1117<br>ISSN: 0098-8847<br>IF =2.807<br>CIT = 64 |

**International Conference Proceedings**

| # | Title | Authors | Publisher | Place and date of publication |
|---|---|---|---|---|
| 12 | Comparison between structure- and crowd-based mitigation strategies on vibrating footbridges | Venuti F., Reggio A. | CRC Press/ Balkema | *Proceedings of the 9th International Conference on Bridge Maintenance, Safety and Management, IABMAS 2018*. Melbourne, Australia, July 9-13, 2018.<br>ISBN: 978-1-138-73045-8 |
| 13 | Time domain dynamic analysis in presence of frequency-independent material damping: a finite element formulation. [abstract] | Reggio A., De Bellis M.L. | European Community on Computational Methods in Applied Sciences (ECCOMAS) | *Proceedings 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. |

| | | | | |
|---|---|---|---|---|
| 14 | Optimization of a non-conventional TMD implemented via inter-storey isolation. | Reggio A., De Angelis M. | European Associationn for Structural Dynamics (EASD) | *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 CIT = 2 |
| 15 | Seismic Qualification Categories (EQC) of Electrical Equipment. | Parise G., Martirano L., Parise L., De Angelis M., Reggio A., Perno S. | Institute of Electrical and Electronics Engineers (IEEE) | *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 ISBN: 978-146735202-4 CIT = 5 |
| 16 | Criteria for the definition of the Equipment Seismic Levels (ESL): comparisons between USA and European Codes. | Parise, G., De Angelis M., Reggio A. | Institute of Electrical and Electronics Engineers (IEEE) | *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 ISBN: 978-146735202-4 CIT = 2 |
| 17 | Seismic Qualification of Electrical Equipment in Critical Facilities. | Parise G., Martirano L., Parise L., De Angelis M., Reggio A., Weber J. | Institute of Electrical and Electronics Engineers (IEEE) | *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 ISBN: 978-146735241-3 CIT = 6 |
| 18 | Optimal design of a passive nonlinear isolation system for the seismic protection of equipment. | De Angelis M., Reggio A. | European Association for the Control of Structures (EACS) | *Proceedings of the 5th European Conference on Structural Control*, EACS 2012. Genova, Italy, June 18-20, 2012. Paper no. 070. ISBN: 9788895023137 |
| 19 | A Darwinian Evolution Of Electrical Power Systems Design For Preventing Seismic Risk In Sensitive Buildings. | Parise G., De Angelis M., Reggio A. | Institute of Electrical and Electronics Engineers (IEEE) | *Proceedings of 2011 IEEE Industrial & Commercial Power Systems Technical Conference, I&CPS 2011*. Newport Beach, CA, USA, May 1-5, 2011. Article no. 5890889. ISBN: 978-142449999-1 DOI:10.1109/ICPS.2011.5890889 CIT = 9 |

| | | | | |
|---|---|---|---|---|
| 20 | Shaking table tests on a passive equipment isolation system for earthquake protection. | De Angelis M., Perno S., Reggio A., De Canio G., Ranieri N. | American Society of Mechanical Engineers (ASME) | *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.<br>DOI: 10.1115/PVP2009-77764<br>ISBN: 978-079184371-0<br>CIT = 3 |

**Peer-reviewed national journals**

| # | Title | Authors | Publisher | Place and date of publication |
|---|---|---|---|---|
| 21 | Una campagna di indagini strutturali e il rilevamento di ponti esistenti. | Devitofranceschi A., Codacci-Pisanelli E., Reggio A. | EDI-CEM | *Strade e Autostrade*, 74, 88-93, 2009.<br>ISSN: 1723-2155 |

**National Conference Proceedings**

| # | Title | Authors | Publisher | Place and date of publication |
|---|---|---|---|---|
| 22 | A finite element formulation for dynamic systems with frequency-independent material damping. [abstract] | Reggio A., De Bellis M.L. | Associazione Italiana di Meccanica Teorica e Applicata | *Proceedings of XXII Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata, AIMETA 2015*. Genova, Italy, September 14-17, 2015. |
| 23 | State-space identification of non-viscously damped systems. | Reggio A., De Angelis M. | Associazione Italiana di Meccanica Teorica e Applicata (AIMETA) | *Proceedings of XXI Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata, AIMETA 2013*. Torino, Italy, September 17-20, 2013.<br>ISBN: 9788882391836 |
| 24 | Identificazione ad input incognito di ponti isolati con HDRB mediante risposte ad azioni sismiche. | Priori C., De Angelis M., Reggio A. | Associazione Nazionale Italiana di Ingegneria Sismica (ANIDIS) | *Proceedings of XV Convegno ANIDIS "L'Ingegneria Sismica in Italia", ANIDIS 2013*. Padova, Italy, June 30 – July 4, 2013.<br>ISBN: 9788897385592 |
| 25 | A passive isolation system with nonlinear hysteretic behaviour: modelling and numerical investigations. | Reggio, A., De Angelis, M. | Associazione Italiana di Meccanica Teorica e Applicata (AIMETA) | *Proceedings of XX Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata, AIMETA 2011.* Bologna, Italy, September 12-15, 2011.<br>ISBN: 9788890634017 |
| 26 | Feasibility of a passive isolation system with non-linear hysteretic behaviour for the seismic protection of critical equipment. | Reggio, A., De Angelis, M. | Associazione Nazionale Italiana di Ingegneria Sismica (ANIDIS) | *Proceedings of XIV Convegno ANIDIS "L'Ingegneria Sismica in Italia", ANIDIS 2011.* Bari, Italy, September 18-22, 2011.<br>ISBN: 9788875220402 |
| 27 | Controllo della risposta dinamica di strutture dotate di TMD ad elevato rapporto di massa: analisi | Reggio A., De Angelis M., Perno S. | Associazione Italiana di Meccanica Teorica e Applicata | *Proceedings of XIX Congresso dell'Associazione Italiana Meccanica Teorica e Applicata, AIMETA 2009*. Ancona, Italy, |

| | | | | |
|---|---|---|---|---|
| | numeriche e sperimentali. | | (AIMETA) | September 14-17, 2009. ISBN: 9788896378083 |
| 28 | Prove sperimentali su tavola vibrante di un telaio in scala 1:5 dotato di isolamento di piano. | De Angelis M., Perno S., Reggio A., De Canio G., Ranieri N. | Associazione Nazionale Italiana di Ingegneria Sismica | *Proc. of XIII Convegno ANIDIS "L'Ingegneria Sismica in Italia", ANIDIS 2009.* Bologna, Italy, June 28 – July 2, 2009. ISBN: 9788890429200 |
| 29 | Analisi vibrazionali: applicazioni agli stralli da ponte. | Codacci-Pisanelli E., Reggio A. | Università di Perugia | *Proc. of III Workshop sui problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche*. ISBN:9788860743565.Perugia, Italy, September 11-12, 2008. |

**Patents**

| # | Title | Inventors | Place and date of publication |
|---|---|---|---|
| 30 | 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. | Ferro G.A., Restuccia L., Reggio A. | Italy, Priority number 2017IT-TO05898, Priority date 03/08/2017. |

**Dissertations**

| # | Title | Authors | Publisher | Place and date of publication |
|---|---|---|---|---|
| 31 | Innovative technologies for the vibration control of equipment in critical facilities. | Reggio A. | Sapienza Università di Roma | *PhD Thesis in Structural Engineering*. Roma, 2011. Open access from PADIS – "Pubblicazioni Aperte Digitali Sapienza",http://hdl.handle.net/10805/2407 |
| 32 | Mitigazione della risposta dinamica con masse accordate a dissipazione isteretica. | Reggio A. | Sapienza Università di Roma | *MSc Thesis in Civil Engineering*. Roma, 2007. |

**Books**

| # | Title | Authors | Publisher | Place and date of publication |
|---|---|---|---|---|
| 33 | Meccanica dei Solidi e delle Strutture – Teoria e Applicazioni [Translation of academic book] | Hibbeler R.C. Translation of the International Edition by A. Reggio and M.L De Bellis | Pearson Prentice Hall | Milano, 2010. |

## 1. Coordination of research and technology transfer groups and projects.

- ***Participation, organization, coordination and management of the research groups, with an explicit mention of the number and of the typology of PhD and Post-Doc students whose the candidate has been tutor.***

  - Member of the research group coordinated by Prof. Giuseppe Andrea Ferro at Politecnico di Torino, Department of Structural, Geotechnical and Building Engineering (DISEG). Research activities have dealt with the mechanical modelling and analysis of smart material and structures, in particular: high-performance cementitious composites with carbon-based micro- and nano-aggregates or self-healing properties; innovative technologies for the mitigation of structural dynamic response (exoskeleton structures). [from 02/05/2016 to present]
  - Member of the research group coordinated by Prof. Maurizio De Angelis at Sapienza Università di Roma, Department of Structural and Geotechnical Engineering (DISG). Research activities have dealt with theoretical and experimental, linear and nonlinear Dynamics of Structures, with special focus on innovative technologies for structural vibration control (non-conventional Tuned Mass Damper, linear and nonlinear hysteretic isolators) and on dynamic system identification. [from 01/01/2008 to 31/12/2015]
  - International scientific collaboration with Prof. Raimondo Betti at Columbia University (New York, USA), Department of Civil Engineering and Engineering Mechanics. Research activities have dealt with the constitutive modelling and the dynamic identification of viscoelastic and hysteretic mechanical systems. [from 01/01/2011 to 31/12/2013]
  - Multidisciplinary scientific collaboration with Prof. Giuseppe Parise and Prof. Luigi Martirano, Sapienza Università di Roma, Department of Aeronautical, Electrical and Energetic Engineering. Research activities have dealt with the modelling and analysis of the dynamic response of electrical and electronic equipment to the purpose of seismic qualification. [from 01/01/2011 to 31/12/2014]
  - Scientific collaboration with the research group coordinated by Dott. Gerardo De Canio at ENEA, Research Center Casaccia (Roma). Research activities have dealt with the design, execution and analysis of shaking table tests, to the purpose of validating analytical and numerical models, on full-scale nonlinear hysteretic isolators (Earlyprot©, patent ENEA) and reduced-scale models of frame structures equipped with Tuned Mass Damper (TMD). [from 01/02/2009 to 31/10/2009]
  - Participation in competitive research project: member of the Research Unit of Politecnico di Torino within the project RELUIS 2019, Work Package "Speedy, low-impact and integrated seismic retrofitting interventions" (coordinator Prof. Giuseppe Andrea Ferro). Funding body: Italian Department of Civil Protection. [from 01/01/2019 to present]
  - Participation in competitive research project: member of the Research Unit of Politecnico di Torino within the project RELUIS 2018, Work Package "Analysis of seismic retrofitting interventions on industrial buildings after Emilia 2012 earthquake" (coordinator Prof. Giuseppe Andrea Ferro). Funding body: Italian Department of Civil Protection. [from 01/01/2018 to 31/12/2018]
  - Participation in competitive research project: member of the Research Unit of Politecnico di Torino within the project RELUIS 2017, Work Package "Innovative materials for applications on existing buildings" (coordinator Prof. Giuseppe Andrea Ferro). Funding body: Italian Department of Civil Protection. [from 01/01/2017 to 31/12/2017]
  - Participation in competitive research project: member of the multidisciplinary research team of the project "Electrical power systems availability in structures exposed to seismic hazard: hospitals and nuclear power plants" (coordinator Prof. Luigi Martirano). Funding body: Sapienza Università di Roma, scientific research call 2010. [from 01/11/2010 to 31/03/2012]
  - Participation in competitive research project: member of the research team of the project "Mitigazione della risposta sismica di apparecchiature e strutture strategiche mediante tecnologie innovative" (coordinator Prof. Maurizio De Angelis). Funding body: Sapienza Università di Roma, scientific research call 2010. [from 01/11/2010 to 31/03/2012]

- Participation in competitive research project: member of the research team of the project "Studio finalizzato all'applicazione delle tecnologie innovative per la protezione sismica di apparecchiature industriali rilevanti" (coordinator: Prof. Maurizio De Angelis). Funding body: Sapienza Università di Roma, scientific research call 2009. [from 01/11/2009 to 31/03/2011]
- Participation in laboratory research groups, expertise in dynamic and static mechanical testing: "Risks on Constructions Laboratory" at Politecnico di Torino; "Materials and Structures Laboratory" at Sapienza Università di Roma; "Carlton Strength of Materials Laboratory" at Columbia University (New York, USA); "Seismic Qualification Laboratory" (shaking tables laboratory) at ENEA, Casaccia Research Center (Roma).

❖ ***Scientific responsibility (Principal Investigator) of competitive National and International research projects, awarded through a peer-review process.***

- *Principal Investigator* (PI) of the 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 – year 2013", with double peer-review process through independent Review Panels. Selection criteria: academic excellence of the Candidate and scientific merit of the research project. Public webpage of the project: https://www.axa-research.org/en/project/anna-reggio [from 01/10/2013 to 30/09/2015]
- *Principal Investigator* (PI) of the project "Resilience-based approach to seismic risk analysis", 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. [from 01/05/2015 to 30/04/2016]
- *Principal Investigator* (PI) of the project "Elaborazione di protocolli sperimentali per la qualificazione sismica di impianti in strutture strategiche", 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. [from 01/05/2012 to 30/04/2014]

❖ ***Scientific responsibility of National and International research projects, ruled through partnership agreements with companies and/or public private bodies, which are leaders in their own sector.***

- Holder of a Research Associate Contract on the project "Electrical power systems availability in structures exposed to seismic hazard: hospitals and nuclear power plants", Institution: Sapienza Università di Roma, Department of Aeronautical, Electrical and Energetic Engineering. [from 01/04/2012 to 31/03/2013]
- Holder of a Research Contract on the project "Controllo delle vibrazioni e monitoraggio dell'integrità di apparecchiature e componenti critici di impianti industriali a rischio di incidente rilevante a seguito di azioni sismiche", Institution: Sapienza Università di Roma, Department of Structural and Geotechnical Engineering. [from 01/04/2011 to 30/04/2011]
- Holder of a three-year doctoral fellowship, Institution: Italian Ministry of Education, University and Research, PhD program in Structural Engineering at Sapienza Università di Roma. [from 01/11/2007 to 30/10/2010]

❖ ***Outcomes obtained in the field of technology transfer, in terms of participation in start-ups and spin-offs, development, use and commercialization of patents/licenses.***

- Italian Patent "Sistema per impedire il collasso di un edificio, in particolare una struttura prefabbricata in calcestruzzo armato, per perdita di appoggio di almento un elemento strutturale orizzontale, e relativo metodo", Inventors: Giuseppe Andrea Ferro, Luciana Restuccia, Anna Reggio, filed by Politecnico di Torino, priority date 03/08/2017, priority number 102017000089647.

## 2. National and international reputation and professional activity for the scientific community

- ***Official research and/or teaching and/or fellowship roles assignment, positions as visiting Scholar/ Visiting Professor in international high qualified universities and research centers.***

  - *Visiting Scholar* at 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. [from 10/04/2011 to 25/01/2012]
  - Holder of a Research Fellowship for Visiting Scholar positions abroad from Sapienza Università di Roma ("Borsa di studio di perfezionamento all'estero", legge 398/1989, area CUN 8). [from 10/04/2011 to 10/01/2012]
  - Selected as Participant in the project "International Exchange Italian School", Institution: Honors Center of Italian University (H2CU). Hosted in H2CU College Italia (New York, USA) in the capacity of Visiting Scholar. [from 10/04/2011 to 25/01/2012]

- ***National and international prizes and awards assigned to the candidate for his/her scientific activity and project activity in the Fields where applicable.***

  - FFABR Grant for Basic Research ("Finanziamento per le attività base di Ricerca", art.1 cc. 295 e ss. legge 232/2016), Institution: Italian Ministry of Education, University and Research. Grant awarded after competitive selection, selection criteria: impact (bibliometric indicators) of the candidate's scientific publications. [05/12/2017]
  - Recognition "30 anni del Dottorato Sapienza" ("30 years of PhD at Sapienza"), Institution: Sapienza Università di Roma. Awarded to distinguished PhD Alumni. [18/12/2014]
  - Graduation Prize "Fondazione Roma Sapienza", Institution: fondazione Roma Sapienza. Awarder to the best M.Sc. Graduates in Engineering at Sapienza Università di Roma. [19/05/2010].

- ***Participation in academies with recognised prestige in the concerned field.***

  - Member of the Italian Society of Theoretical and Applied Mechanics (AIMETA), since 2009.
  - Member of the Italian Society of Solid and Structural Mechanics (SISCo), since 2017.
  - Member of the European Mechanics Society (EUROMECH), since 2018.

- ***Participation in national and international conferences, also as invited public speaker and member of the scientific committee.***

  - *Conference Speaker*: Reggio A., Restuccia L., Ferro G.A. "Feasibility and effectiveness of exoskeleton structures for seismic protection". Italian Group of Fracture (IGF) Workshop "Fracture and Structural Integrity". Cassino (Italy), June 4-9, 2018.
  - *Conference Speaker*: Reggio A. Restuccia L., Ferro G.A. "Dynamic modelling of exoskeleton structures for the seismic protection of existing buildings". XVII Convegno ANIDIS "L'Ingegneria Sismica in Italia", ANIDIS 2017. Pistoia (Italy), September 17-21, 2017.
  - *Conference Organizer*: member of the organizing Commitee of "X International Conference on Structural Dynamics, EURODYN 2017". Conference Chair: Prof. Fabrizio Vestroni, Co-Chairs: Prof. Vincenzo Gattulli, Prof. Francesco Romeo. Roma (Italy), September 10-13, 2017. (600 participants)
  - *Invited Speaker*: Reggio A. "Integrità e funzionalità degli elementi non strutturali: profili normativi, progettuali e di ricerca". Workshop "Metodi di analisi per il calcolo della vulnerabilità sismica", organized by Ordine degli Ingegneri della Provincia di Roma (Register of Engineers of Rome). Roma, March 7th, 2016.
  - *Invited Speaker*, "Continuity of essential services in the face of earthquake emergency", AXA Italia Forum within Expo Milano 2015. Milano (Italy), October 28, 2015.

- *Conference Speaker*: Reggio A., De Bellis M.L. "Time-domain dynamic analysis in presence of frequency-independent damping: a finite element formulation". 5th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2015. Creete (Greece), May, 25-27, 2015.
- *Invited Speaker*: Reggio A. "La vulnerabilità sismica degli elementi non strutturali". Workshop "Le norme tecniche sulle costruzioni D.M. 2008", organized by Ordine degli Ingegneri della Provincia di Roma (Register of Engineers of Rome). Roma, April 13th, 2015.
- *Seminar*: "Modelling and identification of non-viscously damped systems". DISG Seminar Series, Department of Structural and Geotechnical Engineering, Sapienza Università di Roma. Roma, June 30th, 2014.
- *Invited Speaker*, "Seismic risk and operational continuity", AXA Corporate Responsibility Week. Paris (France), June 20th, 2014.
- *Conference Speaker*: Reggio A., De Angelis M. "State-space identification of non-viscously damped systems". XXI Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata, AIMETA 2013. Torino, September 17-20, 2013.
- *Invited Speaker*: Reggio A. "Seismic vulnerability of structural and nonstructural components". Workshop "Vulnerabilità e continuità del servizio degli edifici strategici: il comportamento al sisma di ospedali e data center", organized by the Industry Application Society (IAS) of the Institute of Electrical and Electronics Engineers (IEEE), Italy Section Chapter. Sapienza Università di Roma, February 7th, 2013.
- *Invited Speaker*: Reggio A. "La vulnerabilità degli elementi strutturali e non strutturali". VIII Congresso nazionale "Tecnologia e Sanità". Rieti, October 4-6, 2012.
- *Conference Speaker*: Reggio A., De Angelis M., Perno S. "Controllo della risposta dinamica di strutture dotate di TMD ad elevato rapporto di massa: analisi numeriche e sperimentali". XIX Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata, AIMETA 2009. Ancona (Italy), September 14-17, 2009.

❖ ***Participation in editorial boards of journals, book series, encyclopedias and essays of recognised prestige.***

- Translator from English to Italian of the academic book: Hibbeler R.C. "Mechanics of Materials – Meccanica dei solidi e delle strutture, teoria e applicazioni", Pearson Prentice Hall, Milano, 2010. ISBN: 9788871926094. (Italian translation of the International Edition by Anna Reggio and Maria Laura De Bellis).
- 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).

## 3. Teaching activity

### ❖ *Teaching offices at Politenico di Torino.*

- *PhD course* "Dynamics of Structures and seismic applications" ("Dinamica delle strutture ed applicazioni sismiche"), SSD ICAR/08, PhD Program in Structural Engineering. Class lectures, exercise and student tutoring activities. Academic year: 2016/17. Hours no: 10.
- *MSc course* "Advanced Structural Mechanics" ("Scienza delle Costruzioni 2"), SSD ICAR/08, MSc in Civil Engineering. Class lectures, exercise and student tutoring activities. Academic years: 2016/17, 2017/18, 2018/19. Hours no: 40 per year. Students' evaluation (CPD system, average): 3.34/4.00 (a.y. 16/17), 3.63/4.00 (a.y. 17/18), 3.76/4.00 (a.y. 18/19).
- *MSc course* "Structural Mechanics" (given in English), SSD ICAR/08, MSc in Petroleum Engineering. Class lectures. Academic years: 2016/17, 2017/18. Hours no: 20 per year. Students' evaluation (CPD system, average): 2.90/4.00 (a.y. 17/18).
- *MSc course* "Special Structures" ("Strutture speciali"), SSD ICAR/08, MSc in Building Engineering. Class lectures. Academic year: 2016/17. Hours no: 4.5 per year.
- *BSc course* "Fundamentals of Structural Mechanics" ("Fondamenti di Meccanica Strutturale"), SSD ICAR/08, BSc in Energy Engineering. Exercise and student tutoring activities. Academic year: 2018/19 (ongoing). Hours no: 20 per year.
- *MSc final dissertations supervision* (Civil Engineering): Alberto Menardi, "Integrated structural and energy retrofitting for the reduction of seismic vulnerability and environmental impact" (2019); Federico Mantovani, "Finite Element modelling of adjacent structures for the evaluation of seismic pounding" (2018); Maurizio Ventura, "Influence of the numerical model on the seismic response of adjacent structures" (2018); Lucrezia Martelli, "Exoskeleton structures: a methodological approach for the retrofitting of existing buildings" (2018).
- *Member of final examination Committes* ("Commissioni di esami di laurea"), MSc in Civil Engineering.
- *Member of exam Committes* ("Commissioni d'esame"), MSc and BSc courses of Solid and Structural Mechanics, SSD ICAR/08.
- *Member of the teaching Commitee* for the MSc and BSc courses in Civil Engineering ("Collegio di Ingegneria Civile").
- *Higher Education training*: attendance of the workshop "PhD Supervision", organized by Politecnico di Torino. April 23-24, 2018.
- *Higher Education training*: attendance of the course "Learning to teach in Higher Education", organized by Politecnico di Torino. February – June 2017.

### ❖ *Teaching offices at Sapienza Università di Roma:*

- *MSc course* "Dynamics of Structures Fundamentals" ("Elementi di Dinamica delle Strutture"), SSD ICAR/08, MSc in Environmental and Building Engineering, School of Civil and Industrial Engineering, Sapienza Università di Roma. Seminar, exercise and student tutoring activities. Academic year: 2012/13. Hours no: 15 per year.
- *MSc course* "Statics" ("Statica"), SSD ICAR/08, MSc in Building Engineering, School of Civil and Industrial Engineering, Sapienza Università di Roma. Seminar, exercise and student tutoring activities. Academic years: 2007/08, 2009/10, 2010/11, 2011/12, 2012/13. Hours no: 60 per year.
- *MSc course* "Structural Mechanics" ("Scienza delle Costruzioni"), SSD ICAR/08, MSc in Building Engineering, School of Civil and Industrial Engineering, Sapienza Università di Roma. Seminar, exercise and student tutoring activities. Academic year: 2007/08. Hours no: 60 per year.
- *BSc course* "Structural Mechanics" ("Scienza delle Costruzioni"), SSD ICAR/08, BSc in Environmental and Building Engineering, School of Civil and Industrial Engineering, Sapienza Università di Roma. Seminar, exercise and student tutoring activities. Academic years: 2008/09, 2009/10, 2010/11, 2011/12, 2012/13. Hours no: 45 per year.

- *MSc final dissertations supervision* (Civil Engineering): Francesca D'Innocenzo, "Protezione sismica di apparecchiature strategiche" (2012); Silvia Marchino, "Caratterizzazione e modellazione di un sistema di isolamento isteretico" (2011); Vincenzo Passarella, "Controllo delle vibrazioni mediante Tuned Mass Dampers" (2010); Alessandro Passarotti, "Isolamento di piano di attrezzature strategiche" (2010).
- *Member of exam Committes* ("Commissioni d'esame"), MSc and BSc courses of Solid and Structural mechanics, SSD ICAR/08.

## 4. Institutional offices and roles in Italian and foreign Universities and/or public and private institutions with scientific and/or technology transfer aims

- Member of the Department Council as representative of Post-Doctoral Fellows (elected), Department of Structural and Geotechnical Engineering, Sapienza Università di Roma [March 2014 – September 2015]

I authorize my personal data processing in compliance with privacy laws.

May 2, 2019

Signature

Anna Reggio

*Art. 13 Treatment of personal data (Evaluation procedure - Decree of the Rector n. 92/2019)*
*Pursuant to the General Data Protection Regulation (EU Regulation 2016/679) the processing of personal data provided by candidates is carried out by the Politecnico di Torino as indicated in the note available on https://careers.polito.it/privacy.*