



GIUSEPPE MADDALONI CURRICULUM VITAE

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1. SHORT CV

<i>From July 2018</i>	Qualification to the functions of first level (Full) professor in the national scientific qualification competition, sector 08 / B3 (Structural Engineering).
<i>From September 2016</i>	Holder of the course of "Masonry constructions in seismic area" and of the course of "Structural Engineering II" for the degree and Master's degree in "Civil Engineering" at the University of Sannio of Benevento.
<i>From July 2015</i>	Winner of the competition for Associate Professor for the SSD ICAR / 09 (Structural Engineering) at the University of Sannio in Benevento.
<i>From March 2015 to July 2015</i>	Holder of the "Structural Design" course for the master's degree in "Civil Engineering" at the University of Naples "Parthenope".
<i>January 2015</i>	Qualification to the functions of second level (Associate) professor in the national scientific qualification competition, sector 08 / B3 (Structural Engineering).
<i>From September 2010 to December 2015</i>	Holder of the course of Structural Engineering for the degree in "Civil and Environmental Engineering" at the University of Naples "Parthenope".
<i>From March 2009 to July 2015</i>	He carries out the research activity at the Department of Technology (today Department of Engineering) of the University of Naples "Parthenope".
<i>From September 2008 to March 2009</i>	He carries out research at the University of Buffalo in the United States (State University of New York at Buffalo) in collaboration with prof. AM Reinhold (Clifford Furnas Eminent Professor in the Department of Civil Structural and Environmental Engineering at University at Buffalo).
<i>March 2008</i>	Winner of the competition for researcher for the SSD ICAR / 09 (Structural Engineering) at the University of Naples "Parthenope".
<i>February 2008</i>	He obtained the title of PhD in Materials and Structural Engineering (XX cycle) at the University of Naples "Federico II", discussing the thesis entitled "The CRdC AMRA vibrating table system: calibration and design procedures of an isolation system".
<i>From March 2006 to March 2008</i>	Holder of the course "Dynamic Behavior of Structures" for the master's degree in Civil Engineering at the University of Sannio (Benevento).
<i>From June 2004</i>	He carries out the research activity at the Department of Structural Engineering (today Department of Structures for Engineering and Architecture) of the University of Naples "Federico II".
<i>May 2004</i>	Degree with honors from the University of Naples "Federico II" discussing the thesis entitled "The new Italian seismic regulation for reinforced concrete constructions: critical analysis and design applications".

2. RESARCH ACTIVITY

Giuseppe MADDALONI is currently an associate professor at the University of Sannio in Benevento (Italy). He has continuously carried out, from 2006, an intense frontal teaching activity in degree courses and Master's degree at the University of Naples Parthenope and at the University of Sannio. Since 2004 he has also carried out supplementary teaching activities in undergraduate and postgraduate courses at the University of Naples Federico II. He has been a supervisor / co-supervisor of about 50 degree theses and master's degrees of Degree Courses in Civil and Environmental Engineering and Civil Engineering at the Department of Engineering of the University of Naples Parthenope and undergraduate degree and master's degree of Degree Courses in Building Engineering and Structural and Geotechnical Engineering at the University of Naples Federico II.

The scientific research activity was carried out continuously, starting from 2004, at the Department of Structural Engineering (today Department of Structures for Engineering and Architecture) of the University of Naples "Federico II" and from 2008 also at the Department of Technology (today Department of Engineering) of the University of Naples "Parthenope", collaborating with numerous Italian and international researchers. From September 2008 to March 2009, Giuseppe MADDALONI carried out his research activity abroad at the University of Buffalo in the United States (State University of New York at Buffalo) working in one of the most important seismic engineering laboratories in the world (Structural Engineering and Earthquake Simulation Laboratory (SEESL)).

Giuseppe MADDALONI has participated in numerous research groups as a member / coordinator and has been responsible for studies and scientific research entrusted by qualified public or private institutions. Is currently an affiliate at the Institute of Construction Technologies (ITC) of the National Research Council (CNR).

The topics covered concerned the following specific research topics:

- a) Applications relating to the Italian seismic code (UNI, OPCM, NTC 2008 and 2018, among others) and international (EUROCODES).
- b) Non-linear modeling of structures in c.a. in seismic area.
- c) Seismic input for non-linear analysis of structures.
- d) Innovative technologies for structures.
- e) Seismic behavior of structural and non-structural elements.
- f) Analytical study of experimental seismic simulation.

The research carried out on these topics led to the production of over 100 publications, divided as follows: 33 on an international journal, 2 monographs, 7 contributions on book, 62 articles in conference proceedings (24 national and 38 international).

a) Applications relating to the Italian seismic regulation OPCM 3274 and s.m.i., NTC 2008, 2018 and to EUROCODES.

The introduction in the technical regulatory framework of the OPCM 3274 first and of the NTC 2008 and 2018 then, represented an important turning point for the seismic design of the structures, including those in reinforced concrete.

Giuseppe Maddaloni collaborated in the drafting of the manual "Anti-seismic design of reinforced concrete buildings" in which, for the first time in Italy, application examples were developed, carried out to the detail, relating to designed and verified reinforced concrete buildings according to Ordinance 3274. The volume has reached its third edition with a total circulation of over 10,000 copies.

After this first experience, Giuseppe Maddaloni was called to participate in other similar projects concerning: (i) the Technical Standards for Construction (NTC) 2008 participating in the writing of a chapter of the volume "Technical Standards for Construction" published by Il SOLE 24 ORE, (ii) the Eurocodes participating in the drafting of two chapters of the volume "Guide to the use of EUROCODE 2" published by Pubblimento (Rome).

b) Non-linear behavior of concrete structures

The modern regulations regarding seismic design require the use of four analysis methods, characterized by increasing complexity and precision, such as static analysis, dynamic modal analysis, non-linear static analysis and 1 nonlinear dynamic analysis. The choice between one method and another depends on the geometrical and mechanical characteristics (regularity, own periods, etc.) and on the importance of the structure that one intends to design and / or verify. Giuseppe Maddaloni has addressed the problem of the non-linear behavior of concrete structures with particular reference to irregular structures in elevation and in plan. The aim of this line of research was to understand the assumptions of the most recent results of seismic engineering and to apply, with full awareness, the regulatory requirements that are inspired by these results. The studies conducted on this topic and the importance of the same are testified by the scientific production consisting of n. 3 articles in international journals and several conference articles.

c) Seismic input for non-linear analysis of structures

Modern national and international regulations allow non-linear dynamic analysis of structures to be performed, through a representation of the seismic action through the use of artificial, simulated or natural accelerograms.

The research study investigated the possibility of identifying combinations of real accelerograms, both for non-linear analyzes on buildings and on structures with prevalent unidirectional development (such as bridges, viaducts, etc.), compatible with the criteria of Italian and European legislation.

The studies conducted on this topic and the importance of the same are testified by the scientific production consisting of n. 2 articles in international journal and n. 4 on conference. In particular, the article "Eurocode 8 compliant real record sets for seismic analysis of structures" published in the Journal of Earthquake Engineering is the most cited article of the journal to date (55 citations according to SCOPUS, 45 citations according to WOS).

d) Semi-active control of the structures and exploitation of Early Warning for the improvement of seismic performance

The adoption of innovative techniques for the control of structural vibrations induced, for example, by earthquake or wind, in the last decade has aroused great interest, not only in the scientific community, but also with reference to concrete applications.

Giuseppe Maddaloni is primarily interested in the so-called semi-active control strategy, based on the use of devices with variable behavior, appropriately calibrated before and / or during dynamic excitation according to a logic (control algorithm) defined a priori. This strategy appears to be very promising, presenting significant advantages compared to alternative passive and active control strategies. Moreover, in the regions of the world where the seismic problem is particularly felt, the installation of so-called Early Warning systems is spreading, capable of providing, some tens of seconds before the occurrence of an earthquake in a given site, information about the event itself and the probable intensity characteristics of the earthquake on its way. The research carried out in this field, witnessed n. 3 article published in a journal and by numerous conference publications, has shown that such systems, placed at the service of structures or strategic infrastructures, can, in an extremely favorable manner, integrate with semi-active control systems installed on the same works to improve their performance seismic.

e) Analytical study of experimental seismic simulation.

The research activity of dr. Maddaloni on this topic began with a doctoral thesis and continued with a period of research in the United States at the University of Buffalo. An analytical study of the behavior of the vibrating tables of the University of Naples was carried out by developing an accurate model capable of managing the non-linearity of the system through the subdivision of the table into sub-models.

A procedure was also developed to optimize the signal reproduced in an experimental test on a vibrating table and to predict, given the input signal, which one will be in output taking into account the distortion of the system. The studies conducted on this research have allowed a scientific production consisting of n. 1 article in an international magazine and several conference articles.

f) seismic behavior of non-structural elements

After a seismic event, the partial or total collapse of non-structural elements such as ceilings, systems, furnishings, etc. it is one of the most widely found damage in buildings. The seismic behavior of these elements is however not easily studied through a traditional structural analysis and for this reason experimentation on a vibrating table has been used in this line of research. In particular, an experimental campaign of tests on a vibrating table was carried out, to investigate the seismic behavior of plasterboard false ceilings and panels, under strong intensity earthquakes. The study was carried out at the Department of Structural Engineering of the University of Naples Federico II, in collaboration with the company "LAFARGE PLATRES", a world leader in the production of plasterboard false ceilings and paneling. The studies conducted on this research have allowed a scientific production consisting of n. 2 articles in an international magazine as well as numerous articles on conference.

3. PARTECIPATION AT CONFERENCES

Giuseppe Maddaloni has participated in numerous national and international conferences on research topics in the field of *Structural Engineering* and Seismic Engineering, also contributing to the organization of some events on the themes themselves.

National conference organizing committee component

Year 2015

Component organizing committee of the NATIONAL conference "Innovative solutions for bridge maintenance (Inspection, Maintenance, Safety and Management of the Bridges)".

Location: Benevento. From 27 October 2015 to 27 October 2015.

Year 2015

Component organizing committee of the NATIONAL conference "Management and Maintenance of Bridges".

Location: Benevento. From 28 October 2015 to 28 October 2015.

Year 2017

Component organizing committee of the NATIONAL conference entitled: "The earthquake in central Italy: what he taught the structural engineer".

Location: Benevento. From 16 March 2017 to 16 March 2017.

Year 2017

Component organizing committee of the NATIONAL conference "Classification of the seismic risk of buildings: from the guidelines to the realization of the interventions".

Location: Benevento. From 4 May 2017 to 4 May 2017.

International conference organizing committee component

Year 2006

Member of the organizing committee of the "2nd International fib Congress" international conference.

Location: Naples. From 6 June 2006 to 8 June 2006.

Year 2014

Component organizing committee of the INTERNATIONAL conference "2014 IEEE Workshop on Environmental, Energy and Structural Monitoring Systems (EESMS)".

Location: Naples. From 17 September 2014 to 18 September 2014.

Oral presentation at NATIONAL conference

Year 2016

Presentation of memory at the NATIONAL conference entitled: "Safety of non-structural components".
Location: Anacapri (Naples). From 19 May 2016 to 20 May 2016.

Year 2015

Presentation of the memory at the NATIONAL conference "XVI Conference of the National Association of Earthquake Engineering" Seismic Engineering in Italy ".
Location: L'Aquila. From 13 September 2015 to 16 September 2015.

Year 2013

Presentation of the memory at the NATIONAL conference XV Convention of the National Association of Seismic Engineering "Earthquake Engineering in Italy".
Location: Padua. From 30 June 2013 to 4 July 2013.

Year 2011

Presentation of the memory at the NATIONAL conference "XIV Conference of the National Association of Earthquake Engineering" Seismic Engineering in Italy ".
Location: Bari. From 18-22 September 2011 to 22 September 2011.

Year 2010

Presentation of the memory at the "MASTERMICA - Sustainable development strategies for constructions in China, Europe and Italy for reconstruction after the earthquake of L'Aquila 6 April 2009" conference.
Location: Rome. From 19 April 2010 to 20 April 2010.

Year 2009

Presentation memory at the NATIONAL conference "XIII Conference of the National Association of Earthquake Engineering" Seismic Engineering in Italy ".
Location: Bologna. From 28 June 2009 to 2 July 2009.

Year 2009

Presentation of the memory at the NATIONAL conference "25th National AICAP Conference - The design and execution of structural works with a view to sustainability".
Location: Pisa. From May 14th 2009 to May 16th 2009.

Year 2008

Presentation of the memory at the "17th CTE congress" NATIONAL conference.
Location: Rome. From 7 November 2008 to 9 November 2008.

Year 2008

Presentation of the memory at the NATIONAL conference "Evaluation and reduction of the seismic vulnerability of existing buildings in c.a."
Location: Rome. From 29 May 2008 to 30 May 2008.

Year 2007

Presentation memory at the NATIONAL conference "XIII Conference of the National Association of Earthquake Engineering" Seismic Engineering in Italy ".
Location: Pisa. From 10 June 2007 to 14 June 2007.

Oral presentation at INTERNATIONAL conference

Year 2017

Presentation of the memory at the international conference "MURICO CONFERENCE - Mechanics of Masonry Structures Strengthened with composite materials."

Headquarters Bologna (Italy). From 28 June 2017 to 30 June 2017.

Year 2014

Presentation of the memory at the "2014 IEEE Environmental Workshop, Energy and Structural Monitoring Systems (EESMS)" conference.

Location: Naples (Italy). From 17 September 2014 to 18 September 2014.

Year 2014

Presentation of the memory at the INTERNATIONAL conference "Sixth World Conference on Structural Control and Monitoring (6WCSCM)".

Location: Barcelona (Spain). From 15 July 2014 to 17 July 2014.

Year 2013

Presentation of the memory at the "COMPDYN 2013, 4th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering" conference.

Location: Kos Island (Greece). From 12 June 2013 to 14 June 2013.

Year 2013

Presentation of the memory at the 2013 INTERNATIONAL ASCE / SEI Structures Congress conference.

Location: Pittsburgh (USA). From 2 May 2013 to 4 May 2013.

Year 2012

Presentation of the 15th World Conference on Earthquake Engineering conference at the INTERNATIONAL conference.

Location: Lisbon (Portugal). From 24 September 2012 to 28 September 2012.

Year 2010

Presentation of the memory at the INTERNATIONAL conference "2010 ASCE / SEI Structures Congress. Structures Congress / North American Steel Construction Conference (NASCC)".

Location: Orlando, Florida (USA). From 12 May 2010 to 15 May 2010.

Year 2010

Presentation of the conference at the INTERNATIONAL conference "Third international fib Congress and Exhibition & PCI Annual Convention and Bridge Conference".

Location: Washington D.C. (USA). From 29 May 2010 to 2 June 2010.

Year 2010

Presentation of the memory at the "14 ECEE, European conference on earthquake engineering" INTERNATIONAL conference.

Location: Ohrid (Macedonia).

From 30 August 2010 to 3 September, 2010.

Year 2008

Presentation of the 14th World Conference on Earthquake Engineering conference at the INTERNATIONAL conference.

Location: Beijing (China). From 12 October 2008 to 17 October 2008.

Year 2008

Presentation of the memory at the INTERNATIONAL conference "Fifth European Workshop on the seismic behavior of Irregular and Complex Structures".

Location: Catania (Italy). From 16 September 2008 to 17 September 2008.

Year 2006:

Presentation of the first International Conference on Earthquake Engineering and Seismology at the INTERNATIONAL conference.

Location: Geneva (Switzerland). From 3 September 2006 to 8 September 2006.

4. PARTICIPATION IN RESEARCH ACTIVITIES

Giuseppe Maddaloni has participated in numerous national and international research activities, collaborating with leading experts in the field of Construction Techniques and Seismic Engineering.

Participation in the NATIONAL research group

Year 2007

Participation in research activities of the "RELUIS 2005-08" NATIONAL project, funded by the Department for Civil Protection. Research line n. 2 entitled "Assessment and reduction of the vulnerability of existing buildings at the University" at the University of Naples "Federico II"

National coordinator line 2: Prof. E. Cosenza.

Duration of collaboration: Starting date 1 January 2007, end date 30 December 2008.

Year 2007

Participation in research activities of the "RELUIS 2005-08" NATIONAL project, funded by the Department for Civil Protection. Research line n. 7 entitled "Technologies for the isolation and control of structures and infrastructures.

Scientific director of the RU: prof. ing. Antonio Occhiuzzi

Duration of collaboration: Starting date 1 January 2008, end date 30 December 2008.

Year 2010

Participation in the research activities of the NATIONAL "RELUIS 2010-13" project, funded by the Department for Civil Protection: Task 3.1.2 - Automatic systems of action and Early Warning, Task 3.1.3 - Monitoring, Task 2.3.2 - Development and analysis of new technologies for insulation and dissipation.

Scientific director of the RU: prof. ing. Antonio Occhiuzzi

Duration of collaboration: Starting date 1 January 2010, end date 31 December 2013.

Year 2012

Participation in the research activities of the NATIONAL "STRIT - Tools and Technologies for Transportation Infrastructure Risk" project, funded by the European Union-PON Research and Competitiveness 2007-2013.

Project manager: Prof. G. Manfredi.

Duration of collaboration: Starting date 1 January 2013, end date 30 September 2015.

Year 2013

Participation in the research activities of the NATIONAL project "Evaluation of the mechanical behavior of partition walls in seismic field and development of new anti-seismic systems" Financing body: MANGINI Srl.

Scientific coordinator of the RU: ing. Gennaro Magliulo

Duration of the project 8 months: 04/11 / 2013-03 / 07/2014.

Year 2014

Participation in research activities of the "RELUIS 2014" NATIONAL project, funded by the Department for Civil Protection. Research line Isolation and dissipation

Scientific director of the RU: prof. ing. Antonio Occhiuzzi

Duration of the project 12 months. Starting date 1 January 2014, end date 30 December 2014.

Year 2015

Participation in the research activities of the NATIONAL project "METRICS - Methodologies and Technologies for the Management and Requalification of Historic Centers and prestigious buildings", Code PON03PE_00093_5 funded by MIUR for the National Operational Program "Research and Competitiveness" (PON "R&C") 2007-2013 and PAC - Cohesion Action Plan.

Head of the RU: prof. Maria Rosaria Pecce

Duration of collaboration: Starting date 1 January 2016, end date 31 December 2016.

Year 2015

Participation in the research activities of the NATIONAL project "Newly conceived materials, components and technologies for safe and high-performance construction" (contract reference SP.P04.002 of the Institute for Construction Technologies - ITC - of the National Research Council - CNR).

Responsible: Prof. Antonio Occhiuzzi

Duration of the project 2 years. Starting date June 1, 2015, ending today.

Year 2015

Participation in research activities of the "RELUIS 2015" NATIONAL project, funded by the Department for Civil Protection. Research line Isolation and dissipation.

Scientific coordinator of the RU: ing. Nicola Caterino

Duration of the project 12 months. Starting date 1 January 2015, end date 30 December 2015.

Year 2015

Participation in the research activities of the NATIONAL SMARTCASE project - Innovative Multifunctional Solutions for the optimization of primary energy consumption and the indoor liveability of the Building System ", funded by the MIUR for the National Operational Program " Research and Competitiveness "(PON" R&C ") 2007-2013 and PAC - Cohesion Action Plan.

Head of the RU: prof. Maria Rosaria Pecce

Duration of the project 3 years. Starting date October 1, 2013, end date December 31, 2016.

Year 2016

Participation in the research activities of the "RELUIS 2016" NATIONAL project, funded by the Department for Civil Protection: Insulation and dissipation research line

Scientific coordinator of the RU: ing. Nicola Caterino

Duration of the project 12 months: start date 1 January 2016, end date 30 December 2016.

Year 2017

Participation in the research activities of the "RELUIS 2017" NATIONAL project, funded by the Department for Civil Protection: Insulation and dissipation research line

Scientific coordinator of the RU: ing. Nicola Caterino

Duration of the project 12 months: start date 1 January 2017, end date 30 December 2017.

NATIONAL research group management

Year 2017

Directorate of the NATIONAL RELUIS 2017 research project, funded by the Department for Civil Protection. Research line: non-structural components

Scientific director of the RU: prof. Giuseppe Maddaloni

Duration 12 months: start date 1 January 2017, end date 30 December 2017.

Participation in the INTERNATIONAL research group

Year 2018

Directorate of the NATIONAL RELUIS 2018-20 research project, funded by the Department for Civil Protection. Research line: non-structural components
Scientific director of the RU: prof. Giuseppe Maddaloni
Duration 36 months: start date 1 January 2018, end date 30 December 2020.

Participation in the INTERNATIONAL research group

Year 2008

Participation in the activities of the INTERNATIONAL research group at the State University of New York at Buffalo, concerning structural experimentation on a vibrating table.
Scientific coordinator: prof. AM Reinhoirn (Clifford Furnas Eminent Professor in the Department of Civil Structural and Environmental Engineering at University at Buffalo)
Duration 5 months: 04/09 / 2008-04 / 02/2009.

Year 2010

Participation in the research activities of the INTERNATIONAL project "Study of non bearing plasterboard systems in the seismic domain and development of new earthquake-resistant systems".
Financing body: Siniat International and Lafarge Platres.
Scientific coordinator of the RU: ing. Gennaro Magliulo
Duration of the project 7 years: 06/05 / 2010-31 / 12/2017.

5. RESPONSIBILITY FOR STUDIES AND SCIENTIFIC RESEARCH

Giuseppe Maddaloni has been responsible for numerous scientific research activities carried out both nationally and internationally.

NATIONAL Manager

Year 2016

Responsible for the study for the definition of guidelines for the qualification and design of structural glass at the Superior Council of Public Works.
Duration 24 months: July 2016 - July 2018.

Year 2016

Responsible for the research agreement stipulated with the municipality of Atripalda (AV) for the study of the seismic risk of municipal school buildings.
Duration 12 months: October 2016 - October 2017.

Year 2016

Responsible for the research agreement stipulated with the company EDILGEO 4.0 srl aimed at technical-scientific consultancy in the field of diagnostics with non-destructive and semi-invasive tests of all types of constructions, both for civil and public use.
Duration 18 months: December 2016 - July 2018.

Year 2017

Responsible for the "RELUIS" 2017 research project, funded by the Department for Civil Protection.
Non-structural components research line
Duration 12 months: January 2017 - December 2017.

Year 2017

Responsible for the research agreement stipulated with the ANCE (National Association of Building Constructors) for the study of hemp as a building material.

Duration 12 months: May 2017 - May 2018.

Year 2017

Responsible for the research program stipulated with the Campania Region for updating the Real Estate Database of school buildings in the Campania Region.

Duration 12 months: June 2017 - June 2018.

Year 2017

Responsible for the research agreement stipulated with the Institute for Construction Technologies of the CNR aimed at studying the dynamic behavior of glass walls.

Duration 12 months: May 2017 - July 2018

INTERNATIONAL Manager

Year 2017

Responsible for UNI (Italian National Unification Body) at CEN (European Committee for Standardization) for the revision of Eurocode 1 - "Action on structures" (CEN / TC 250 / SC 1).

Duration 7 months: May 2017 - December 2017.

6. REVISION ACTIVITY IN AN INTERNATIONAL JOURNAL

Giuseppe Maddaloni is a reviewer for the following ISI WOS / SCOPUS indexed Journal:

- Advances in Structural Engineering;
- Bulletin of Earthquake Engineering;
- Computers and Concrete, An International Journal;
- Construction & Building Materials;
- Earthquake and Structures;
- Earthquake Engineering And Engineering Vibration;
- Earthquake Engineering And Structural Dynamics;
- Earthquake Spectra;
- Engineering Structures;
- European Journal of Environmental and Civil Engineering;
- International Journal of Steel Structures;
- Journal of Structural Engineering;
- The Open Construction and Building Technology Journal;
- The Structural Design of Tall and Special Buildings.

7. PARTICIPATION IN RESEARCH DOCTORATES

Giuseppe Maddaloni participated in the research doctorates with the following duties:

Member of the Teaching Board of the Doctorate in "Civil Engineering" at the University of NAPLES "Parthenope", academic year beginning 2011/12, XXVII cycle.

Member of the Teaching Board of the Doctorate in "Civil Engineering" at the University of NAPLES "Parthenope", academic year beginning 2012/13, XXVIII cycle.

Co-tutor of the doctoral thesis in "Civil Engineering", University of NAPLES "Parthenope", XXVII cycle, for the student Giuseppe Nestovito.

Co-tutor of the doctoral thesis in "Information Technologies for Engineering" at the University of Sannio of BENEVENTO, XXXII cycle, for the student Valeria Pepe.

8. AWARDS AND AWARDS

Giuseppe Maddaloni has received the following prizes and awards:

Year 2017

Affiliation to the Institute for Construction Technologies (ITC) of the National Research Council (CNR) with provision of the director of the institute n. 37/2017.

Affiliation period: from 1/2/2017 to 12/31/2019.

Year 2015

Affiliation to the Institute for Construction Technologies (ITC) of the National Research Council (CNR) with provision of the director of the institute n. 0010368 of 12.11.2015.

Affiliation period: from 1/6/2015 to 12/31/2016.

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9. PARTICIPATION IN PATENTS AND SPIN-OFF

Giuseppe Maddaloni participated in the creation of university spin-offs and the request for patents as specified below:

Year 2017

Participation in the creation of the SPIN OFF of the University of Sannio called "ITEMS" for the certification and technology transfer of materials, components and techniques for construction.

Year 2015

Participation in the development of the PATENT: SPS Safe Partition System anti-release device.

Application number: 102015000024909; European patent; filing date: 06/17/2015. Ownership: Mangini Srl. COMMERCIALIZED by Mangini Srl.

Year 2014

Participation in the development of the PATENT: Seismic damage reducing system for partitions. a) European patent. Request no. 13290324.6 - 1604; request date: 12/20/2013. Property: Siniat International SAS. Marketed by: Siniat International SAS. b) International Patent System - Patent Cooperation Treaty (PCT). Application no. EP2014 / 078834; request date: December 2014. Marketed by SINIAT International SAS.

Year 2014

Participation in the development of the PATENT: Protective structure for board partitions. a) European patent. European application no. 13221 131015. Property: Siniat International SAS. Marketed by: Siniat International SAS. International Patent System - Patent Cooperation Treaty (PCT). Application no. EP2014 / 078829; request date: December 2014. COMMERCIALIZED by SINIAT International SAS.

10. MANAGEMENT, ORGANIZATIONAL AND SERVICE ACTIVITIES

Giuseppe MADDALONI was a member of the teaching staff of the PhD in "Civil Engineering" of the University of Naples "Parthenope", XXVII cycle (year 2013) and XXVIII cycle (year 2014).

He was a commissioner for the final doctoral exam in Materials and Structural Engineering (Structures Section - XXV cycle) at the University of Naples "Federico II" (year 2014).

He was a member of the management committee of the QA (Quality Assurance) appointed by the Degree Program in Civil Engineering at the University of Naples Parthenope.

He was a member of the commission for completing the Single Annual Report on Departmental Research (SUA-RD) for the course of Studies in Civil Engineering of the University of Naples Parthenope;

He was a member of commissions for the awarding of scholarships, contracts and research grants announced by the Department of Engineering of the University of Naples "Parthenope".

He has been a member of tender commissions for the provision of services and supplies for the University of Naples Parthenope.

Since 2008 he has been a member of the Council of Studies in Civil Engineering of the University of Naples Parthenope.

Since 2015 he is a member of the Council for the Course of Studies in Civil Engineering of the University of Sannio di Benevento.

Since 2015 he is a member of the Research Committee of the Engineering Department of the University of Sannio di Benevento.

Since 2019 he is University delegate for Building of the University of Sannio di Benevento.

11. SCIENTIFIC PUBLICATIONS

Giuseppe Maddaloni is the author of over 100 publications, divided as follows: 32 on an international journal, 2 monographs, 6 contributions on book, 67 articles in conference proceedings (31 national and 36 international). The main ones are shown below

Publications in international scientific journals

1. Magliulo G., Maddaloni G., Cosenza E. (2007). *Comparison between non linear dynamic analysis performed according to EC8 and elastic and non linear static analyses*. Engineering Structures Volume 29, Issue 11, November 2007, Pages 2893-2900, ISSN: 01410296, DOI: 10.1016/j.engstruct.2007.01.027.
 2. Iervolino I., Maddaloni, G., Cosenza, E. (2008). *Eurocode 8 compliant real record sets for seismic analysis of structures*. Journal of Earthquake Engineering (JEE) Volume 12, Issue 1, January 2008, Pages 54-90. ISSN: 13632469, DOI: 10.1080/13632460701457173.
 3. Iervolino I., Maddaloni, G., Cosenza, E. (2009). *A note on selection of time-histories for seismic analysis of bridges in Eurocode*. Journal of Earthquake Engineering (JEE). Volume 13, Issue 8, December 2009, Pages 1125-1152. ISSN: 13632469, DOI: 10.1080/13632460902792428
 4. Maddaloni G., Ryu K.P., Reinhorn A.M. (2011). *Simulation of floor response spectra in shake table experiments*. Earthquake Engineering and Structural Dynamic. Volume 40, Issue 6, May 2011, Pages 591-604. ISSN: 00988847. DOI: 10.1002/eqe.1035.
 5. Cosenza E., Galasso C., Maddaloni G. (2011). *A simplified method for flexural capacity assessment of circular RC cross-sections*. Engineering Structures. Volume 33, Issue 3, March 2011, Pages 942-946. ISSN: 01410296. DOI:10.1016/j.engstruct.2010.12.015.
 6. Maddaloni G., Caterino N., Occhiuzzi A. (2011). *Semi-active control of the benchmark highway bridge based on Seismic Early Warning*. Bulletin of Earthquake Engineering. Volume 9, Issue 5, October 2011, Pages 1703-1715. ISSN: 1570761X, DOI: 10.1007/s10518-011-9259-1
 7. A. M. Reinhorn, G. Maddaloni, K. P. Ryu (2012). *Response to Discussion of paper "Simulation of floor response spectra in shake table experiments" by G. Maddaloni, K. P. Ryu and A. M. Reinhorn*. Earthquake Engineering and Structural Dynamics. Volume 41, Issue 9, 25 July 2012, Pages 1345-1346. DOI: 10.1002/eqe.1194.
 8. Magliulo G., Maddaloni G., Cosenza E. (2012). *Extension of N2 method to plan irregular buildings considering accidental eccentricity*. Soil Dynamics and Earthquake Engineering. Volume 43, December 2012, Pages 69-84. ISSN: 02677261, DOI: 10.1016/j.soildyn.2012.07.032.
-

9. Magliulo G., Pentangelo V., Maddaloni G., Capozzi V., Petrone C., Lopez P., Talamonti R. and Manfredi G. (2012). *Shake table tests for seismic assessment of suspended continuous ceilings*. Bulletin of Earthquake Engineering. Volume 10, Issue 6, Pages 1819-1832. ISSN: 1570761X, DOI: 10.1007/s10518-012-9383-6.
10. Magliulo G., Petrone C., Capozzi V., Maddaloni G., Lopez P., Talamonti R. and Manfredi G. (2012). *Shake table tests on infill plasterboard partitions*. The Open Construction and Building Technology Journal. Volume 6, (Suppl 1-M10) Pages 155-163. ISSN: 1874-8368, DOI: 10.2174/1874836801206010155.
11. Maddaloni G., Magliulo G. and Cosenza E. (2012). *Effect of the seismic input on non-linear response of R/C building structures*. Advances in Structural Engineering. Volume 15, Issue 10. Pages 1861-1877, ISSN: 1369-4332. DOI: 10.1260/1369-4332.15.10.1861.
12. Maddaloni G., Caterino N., Nestovito G., Occhiuzzi A. (2013). *Use of seismic early warning information to calibrate variable dampers for structural control of a highway bridge: evaluation of the system robustness*. Bulletin of Earthquake Engineering. Volume 11, Issue 6, pp 2407-2428 DOI: 10.1007/s10518-013-9510-z.
13. Galasso, C., Maddaloni, G., Cosenza, E. (2014). *Uncertainly analysis of flexural overstrength for capacity design of RC beams*. Journal of Structural Engineering (United States), 140 (7), art. no. 04014037. DOI 10.1061/(ASCE)ST.1943-541X.0001024.
14. Magliulo, G., Maddaloni, G., Petrone, C. (2014). *Comparison among different scaling methods for earthquake records used for seismic nonlinear analysis of structures*. Disaster Advances, 7 (1), pp. 39-49.
15. Magliulo, G., Maddaloni, G., Petrone, C. (2014). *Influence of earthquake direction on the seismic response of irregular plan RC frame buildings*. Earthquake Engineering and Engineering Vibration, 13 (2), pp. 243-256.
16. Cosenza E., Di Sarno L., Maddaloni G., Magliulo G., Petrone C., and Prota A. (2014), *Shake table tests for the seismic fragility evaluation of hospital rooms*, Earthquake Engineering Structural Dynamic., doi: 10.1002/eqe.2456.
17. Calabrese, A., Spizzuoco, M., Serino, G., Della Corte, G., Maddaloni, G. (2014). *Shaking table investigation of a novel, low-cost, base isolation technology using recycled rubber*. Structural Control and Health Monitoring, doi: 10.1002/stc.1663.
18. Magliulo G., Petrone C., Capozzi V., Maddaloni G., Lopez P., Manfredi G. (2014). *Seismic performance evaluation of plasterboard partitions via shake table tests*. Bulletin of Earthquake Engineering; 12(4): 1657-1677; DOI 10.1007/s10518-013-9567-8.
19. Caterino N., Maddaloni G, Occhiuzzi A. (2014). *Damage analysis and seismic retrofitting of a continuous prestressed reinforced concrete bridge*. Case Studies in Structural Engineering, Volume 2, Issue 1, December 2014, Pages 9-15. DOI: 10.1016/j.csse.2014.06.001.
20. Giamundo V., Lignola G.P., Maddaloni G., Balsamo A., Prota A., Manfredi G. (2015). *Experimental investigation of the seismic performances of IMG reinforcement on curved masonry elements*, Composites Part B: Engineering, Volume 70, 1 March 2015, Pages 53-63, ISSN 1359-8368, <http://dx.doi.org/10.1016/j.compositesb.2014.10.039>.
21. de Sanctis, L., Di Laora, R., Caterino, N., Maddaloni, G., Aversa, S., Mandolini, A., Occhiuzzi, A. (2015), *Effects of the filtering action exerted by piles on the seismic response of RC frame buildings*. Bulletin of Earthquake Engineering, 17 p.

Monographs

22. Cosenza E., Maddaloni G., Magliulo G., Pecce M., Ramasco R. (2005). *Progetto Antisismico di*

Edifici in Cemento Armato. II edizione aggiornata. IUSS Press ed.. Pavia. ISBN 88-7358-029-7

23. Cosenza E., Maddaloni G., Magliulo G., Pecce M., Ramasco R. (2007). *Progetto Antisismico di Edifici in Cemento Armato. III edizione aggiornata.* IUSS Press ed.. Pavia. ISBN: 978-88-6198-014-3

Contributions on books

24. Cosenza E., Maddaloni G., Magliulo G. (2006). *Edifici con struttura in cemento armato.* All'interno del volume Norme Tecniche per le Costruzioni. Ed. Il Sole 24 ORE, Milano. ISBN 88-324-5957-4
25. Cosenza E., Maddaloni G., Magliulo G. (2006). *Guida all'uso degli Eurocodici in zona sismica.* All'interno del volume Guida all'uso dell'EUROCODICE 2. Vol. 2. Progetto strutturale di edifici civili ed industriali in calcestruzzo armato. Ed. Pubblicemento, Roma.
26. Cosenza E., Maddaloni G., Magliulo G. (2006). *Edificio a struttura intelaiata in zona sismica.* All'interno del volume Guida all'uso dell'EUROCODICE 2. Vol. 2. Progetto strutturale di edifici civili ed industriali in calcestruzzo armato. Ed. Pubblicemento, Roma.
27. Cosenza E., Maddaloni G., Magliulo G. (2008). *Guida all'uso della nuova normativa tecnica in zona sismica.* All'interno del volume Guida all'uso dell'Eurocodice 2 con riferimento alle Norme Tecniche D.M. 14.1.2008. Vol. II. Progettazione sismica di edifici in calcestruzzo armato. Ed. Pubblicemento, Roma.
28. Cosenza E., Maddaloni G., Magliulo G. (2008). *Edificio a struttura intelaiata in zona sismica.* All'interno del volume Guida all'uso dell'Eurocodice 2 con riferimento alle Norme Tecniche D.M. 14.1.2008. Vol. II. Progettazione sismica di edifici in calcestruzzo armato. Ed. Pubblicemento, Roma.
29. Cosenza E., Maddaloni G., Magliulo G. (2010). *Progettazione antisismica di edifici in cemento armato.* All'interno del volume Norme Tecniche per le Costruzioni (seconda edizione). Ed. Il Sole 24 ORE, Milano. ISBN 978-88-324-7627-9.
30. Magliulo G., Petrone C., Maddaloni G., Lopez P., Manfredi G.. (2014). Chapter 7. *Evaluation of the seismic capacity of nonstructural components.* All'interno del volume: Geotechnical Geological and Earthquake Engineering. Computational Methods, Seismic Protection, Hybrid Testing and Resilience in Earthquake Engineering. A tribute to the Research Contribution of Prof. Andrei Reinhorn. Volume 33. Pp: 97-109. Gian Paolo Cimellaro, Satish Nagarajaiah, Sashi K. Kunnath Eds., Springer. ISBN: 978-3-319-06393-5. DOI: 10.1007/978-3-319-06394-2_7.

Conference proceedings with international distribution

31. Iervolino, I., Maddaloni, G., Cosenza, E. (2006) *Unscaled real record sets compliant with Eurocode 8.* "First European Conference on Earthquake Engineering and Seismology", Ginevra, Svizzera, 2006. Paper Number: 113. ISBN-10:2-8399-0190-0.
32. Iervolino, I., Maddaloni, G., Cosenza E., Manfredi, G. (2007). *Selection of time-histories for bridge design in Eurocode 8,* Proc. of 1st US-Italy Seismic Bridge Workshop, EUCENTRE, Pavia, Italy 18 - 20 April 2007.
33. Bianchi F., Lucchini A., Maddaloni G., Magliulo G., Marino I., Martinelli E., Monti G., Petti L., Sietta A., Spacone E. (2007). *Seismic Vulnerability Assessment of Existing RC Buildings using the New Italian Seismic Code.* Proceedings of the Conference CompDyn 2007, Rethimno, Crete (Greece), 12-16 June 2007, Paper 1623;
34. Magliulo G., Maddaloni G., Cosenza, E.. (2008). *Example of non linear static analysis of a plan irregular building according to EC8 provisions.* Atti della conferenza "Fifth European Workshop on the seismic behaviour of Irregular and Complex Structures", Catania, 16-17 settembre
-

2008. ISBN 978-88-7758-838-8

35. Magliulo G., Maddaloni G., Cosenza, E.. (2008). *Non linear analysis of plan irregular existing r/c frame buildings*. Atti della conferenza “Fifth European Workshop on the seismic behaviour of Irregular and Complex Structures”, Catania, 16-17 september 2008. ISBN 978-88-7758-838-8
 36. Occhiuzzi A., Caterino N., Maddaloni G., (2008). *Exploitation of seismic early warning networks for structural control* “4th European conference on structural control”, St. Petersburg, September 8-12. ISBN 978-5-904045-10-4
 37. Magliulo G., Maddaloni G., Cosenza E.. (2008) *Hierarchy of difficulty concept: comparison between linear and non linear analysis according to EC8*. “14th World Conference on Earthquake Engineering”, Beijing, China. October 12-17.
 38. Magliulo G., Maddaloni G., Cosenza E.. (2008) *Extension of N2 method to plan irregular buildings considering accidental eccentricity*. “14th World Conference on Earthquake Engineering”, Beijing, China. October 12-17.
 39. Magliulo G., Maddaloni G., Cosenza E.. (2008) *Static and dynamic non linear analysis of plan irregular existing r/c frame buildings*. “14th World Conference on Earthquake Engineering”, Beijing, China. October 12-17.
 40. Maddaloni G., Magliulo G., Cosenza E.. (2008) *Non linear dynamic response variation under different sets of earthquakes*. “14th World Conference on Earthquake Engineering”, Beijing, China. October 12-17.
 41. Maddaloni G., Magliulo G., Martinelli E., Monti G., Petti L., Sietta A., Spacone E. Non linear methods for seismic assessment of existing structures: a comparative study on Italian RC buildings. “14th World Conference on Earthquake Engineering”, Beijing, China. October 12-17.
 42. Cosenza E., Di Sarno L., Fiorillo A., Maddaloni G., Manfredi G., Prota A. (2008). *Use of SCC for upgrade of existing structures: the case study of the reaction mass of the department of structural engineering in Naples*. “8th International Symposium on Utilization of High-Strength and High-Performance Concrete”. Tokyo. October 27-29.
 43. Cosenza E., Di Sarno L., Fiorillo A., Maddaloni G., Manfredi G., Prota A. (2008). *The base isolated mass of the dynamic laboratory at University of Naples Federico II*. “14th World Conference on Earthquake Engineering”, Beijing, China. October 12-17.
 44. Occhiuzzi A., Caterino N., Maddaloni G., (2008). Structural control strategies for seismic early warning systems. “14th World Conference on Earthquake Engineering”, Beijing, China. October 12-17.
 45. Reinhorn A. M., Ryu K. P., Maddaloni G. (2010), Advances in seismic qualifications of suspended ceilings results of NEES-GC initiative. Proceedings of 2010 ASCE/SEI Structures Congress. Structures Congress/North American Steel Construction Conference (NASCC). Orlando, Florida (USA), May 12-15. ISBN 978-0-7844-1112-4
 46. Ryu, K. P., Maddaloni, G. and Reinhorn, A. M. (2010). “Modeling and Seismic Evaluation of Nonstructural Components: Testing Frame for Experimental Evaluation of Suspended Ceiling Systems.” Technical Report MCEER- 10-0004, University at Buffalo-the State University of New York, Buffalo, NY. ISSN: 1520-295X
 47. Cosenza E., Galasso C., Maddaloni G. (2010). Simplified assessment of bending moment capacity for rc members with circular cross-section. “Third international fib Congress and Exhibition & PCI Annual Convention and Bridge Conference”. Washington D.C., USA. May 29 –June 02. ISBN 978-0-937040-90-4
-

48. Cosenza E., Galasso C., Maddaloni G. (2010). Statistical analysis of climatic temperature variations in a rc building slab. “Third international fib Congress and Exhibition & PCI Annual Convention and Bridge Conference”. Washington D.C., USA. May 29 –June 02. ISBN 978-0-937040-90-4
 49. Galasso C., Cosenza E., Maddaloni G. (2010). Statistical analysis of reinforcing steel properties for seismic design of RC structures. “14 ECEE, European conference on earthquake engineering”. Ohrid, Republic of Macedonia. August 30-September 03 (ISBN 978-608-65185-1-6).
 50. Maddaloni G., Caterino C., Occhiuzzi A. (2010). Seismic early warning for control of structures with magnetorheological dampers. “14 ECEE, European conference on earthquake engineering”. Ohrid, Republic of Macedonia. August 30-September 03 (ISBN 978-608-65185-1-6).
 51. Occhiuzzi A., Caterino N., Maddaloni G. (2012). Controlling structural vibrations via smart variable dampers: experimental investigations and possible applications.” Proc. of the 2nd Memscon Workshop, 29 Mar 2012, Athens, ICCS: Athens (ISBN: 978-960-93-3846-2).
 52. Maddaloni G. (2012). Use of a seismic early warning system to calibrate variable dampers for structural control of a highway bridge. Proceedings of 5th International Conference on Structural Control-EACS, Genoa, June 18–20, Italy. (ISBN 978-88-95023-13-7).
 53. Caterino N., Maddaloni G., Occhiuzzi A. (2012). Eigenvalues and eigenvectors of structures with supplemental damping devices. Proceedings of 5th International Conference on Structural Control-EACS, Genoa, June 18–20, Italy. (ISBN 978-88-95023-13-7).
 54. Magliulo G., Pentangelo V., Capozzi V., Petrone C., Manfredi G., Maddaloni G., Lopez P., Talamonti R. (2012). Shake table tests on plasterboard continuous ceilings. Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, September 24-28, Portugal. (ISBN 978-989-20-3182-8).
 55. Magliulo G., Petrone C., Capozzi V., Manfredi G., Maddaloni G., Lopez P., Talamonti R. (2012). Plasterboard partitions seismic performance evaluation via shake table test. Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, September 24-28, Portugal (ISBN 978-989-20-3182-8).
 56. Maddaloni G., Caterino N., Nestovito G., Occhiuzzi A. (2012). Use of seismic early warning information to calibrate variable dampers for structural control of a highway bridge: evaluation of the system robustness. Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, September 24-28, Portugal. (ISBN 978-989-20-3182-8).
 57. Maddaloni G., Caterino N., Occhiuzzi A. (2013). Smart passive control of seismic structural vibrations exploiting early warning information. Proceedings of 2013 IEEE Workshop on Environmental, Energy, and Structural Monitoring Systems (EESMS 2013), Trento, September 11-12. Italy. (ISBN 978-1-4799-0628-4).
 58. Magliulo G., Maddaloni G., Crescenzo P. (2013). A procedure to select time-histories for shaking table tests on nonstructural components. Proceedings of COMPDYN 2013, 4th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. Kos Island, 12–14 June. Greece (ISBN 978-960-99994-2-7).
 59. Magliulo G., Maddaloni G., Cosenza E. (2013). Nonlinear static analysis of a plan irregular building according to EC8 provisions. Proceedings of COMPDYN 2013, 4th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. Kos Island, 12–14 June. Greece (ISBN 978-960-99994-2-7).
 60. Maddaloni G., Caterino N. (2013). Effectiveness and robustness of a semi-active control
-

strategy based on seismic early warning information. Proceedings of COMPDYN 2013, 4th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. Kos Island, 12–14 June. Greece (ISBN 978-960-99994-2-7).

61. Maddaloni G., Caterino N., Nestovito G., Occhiuzzi A. (2013). Regional-based control algorithms using early warning information for seismic protection of a highway bridge. Proceedings of COMPDYN 2013, 4th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. Kos Island, 12–14 June. Greece (ISBN 978-960-99994-2-7).
62. Caterino N., de Sanctis L., Di Laora R., Maddaloni G. (2013). Piles-induced filtering action and its effect on the seismic response of buildings. Proceedings of COMPDYN 2013, 4th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. Kos Island, 12–14 June. Greece (ISBN 978-960-99994-2-7).
63. K. P. Ryu, A. M. Reinhorn, G. Maddaloni (2013). Simulation and control of floor motions in structures. Proceedings of 2013 ASCE/SEI Structures Congress. Pittsburgh, May 2-4, USA. Edited by Brian J. Leshko, P.E., and Jonathan McHugh, P.E. ISBN: 9780784412848
64. G. Magliulo, C. Petrone, G. Maddaloni, P. Lopez, G. Manfredi (2014). Evaluation of the seismic capacity of nonstructural components. Proceedings of Reinhorn Symposium. Buffalo, New York, September 30, USA.
65. G. Maddaloni, A. Occhiuzzi, N. Caterino, F. Trinchillo, M. Spizzuoco and G. Serino (2014). A Semi-Active Control Strategy for Base-Isolated Structures. Proceedings of the Sixth World Conference on Structural Control and Monitoring (6WCSCM). Barcelona, Spain, 15-17 July. ISBN: 978-84-942844-5-8.
66. G. Magliulo, C. Petrone, V. Capozzi, G. Maddaloni, P. Lopez, G. Manfredi, (2014). Seismic Performance Evaluation of Plasterboard Partitions via Shake Table Tests. Proceedings of Structures Congress 2014, pp. 1846-1856 (11 pages), Boston, Massachusetts, USA, 3-5 April. <http://dx.doi.org/10.1061/9780784413357.163>. ISBN 978-0-7844-1335-7.
67. Cosenza E, Di Sarno L, Maddaloni G., Magliulo G, Manfredi G, Petrone C, Prota A. Experimental study on the contents of hospital buildings. Proceedings of the 10th National Conference in Earthquake Engineering, Earthquake Engineering Research Institute, Anchorage, AK-USA, 2014. DOI: 10.4231/D30G3GZ9S.
68. G. Maddaloni, A. Occhiuzzi, (2014). Seismic Protection of Structures by Smart Passive Control System using “Regional Algorithms”, (2014). IEEE Workshop on Environmental, Energy and Structural Monitoring Systems EESMS 2014 (ISBN: 978-1-4799-4989-2).

Conference proceedings with national distribution

69. Cosenza E., Magliulo G., Maddaloni G..(2004) *L'analisi statica non lineare (push over) delle strutture in cemento armato secondo la nuova normativa sismica italiana*. Atti del 15° Congresso C.T.E., Bari, 4-5-6 novembre.
70. Iervolino I., Maddaloni, G., Cosenza, E. (2006) *Accelerogrammi naturali compatibili con le specifiche dell'OPCM 3431 per l'analisi non lineare delle strutture*. Atti del 16° Congresso C.T.E. Parma, 9-10-11 Novembre.
71. Cosenza E., Fabbrocino G., Maddaloni G (2006) *Le grandi infrastrutture sperimentali nell'ingegneria sismica*. Atti della giornata di studio “Monitoraggio di edifici strategici, ponti, gallerie - Normative, Controlli, Nuove Tecnologie”. Città della scienza, Napoli, 10 Novembre, AIPnD.
72. Cosenza E., Fabbrocino G., Maddaloni G., Manfredi G., Prota A. (2006) *Infrastrutture*

sperimentali per la ricerca sismica: il sistema di tavole vibranti asincrone dell'Università di Napoli Federico II. Atti del Convegno Nazionale Sperimentazione su Materiali e Strutture, Venezia 6,7 Dicembre.

73. Magliulo G., Maddaloni G., Cosenza, E.. (2007). *Analisi dinamiche non lineari condotte secondo le prescrizioni dell'Eurocodice 8*. Atti del XII Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Pisa 10-14 giugno. ISBN 978-88-8492-4582.
 74. Iervolino I., Maddaloni, G., Cosenza, E. (2007). *Accelerogrammi naturali compatibili con le specifiche dell'OPCM 3431 per l'analisi sismica delle strutture*. Atti del XII Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Pisa 10-14 giugno 2007. ISBN 978-88-8492-4582
 75. Magliulo G., Maddaloni G., Cosenza E.. (2008) *Analisi statiche e dinamiche non lineari di edifici esistenti in cemento armato irregolari in pianta*. Atti della conferenza "Valutazione e riduzione della vulnerabilità sismica di edifici esistenti in c.a.", Roma 29-30 maggio. ISBN 978-88-7699-129-5.
 76. Magliulo G., Maddaloni G., Cosenza E.. (2008). *Estensione del metodo N2 agli edifici irregolari in pianta considerando l'eccentricità accidentale*. Atti della conferenza "Valutazione e riduzione della vulnerabilità sismica di edifici esistenti in c.a.", Roma 29-30 maggio. ISBN 978-88-7699-129-5
 77. Maddaloni G., Magliulo G., Cosenza E.. (2008). *Variazione della risposta sismica sotto differenti set di terremoti*. Atti della conferenza "Valutazione e riduzione della vulnerabilità sismica di edifici esistenti in c.a.", Roma 29-30 maggio 2008. ISBN 978-88-7699-129-5.
 78. Bosco M., Camata G., De Stefano M., Ghersi A., Lucchini A., Maddaloni G., Magliulo G., Marino I., Martinelli E., Monti G., Petti L., Saetta A., Spacone E., Trombetti T..(2008) *Linee guida per le analisi non-lineari di edifici esistenti in cemento armato*. Atti della conferenza "Valutazione e riduzione della vulnerabilità sismica di edifici esistenti in c.a.", Roma 29-30 maggio 2008. ISBN 978-88-7699-129-5.
 79. Cosenza E., Galasso C., Maddaloni G.. (2009). *Analisi statistica delle caratteristiche sismiche degli acciai da cemento armato*. Atti del convegno "Giornate AICAP 09". Pisa, 14-16 maggio.
 80. Cosenza E., Galasso C., Maddaloni G.. (2009). *Monitoraggio ed analisi statistica delle variazioni di temperatura nel calcestruzzo*. Atti del convegno "Giornate AICAP 09". Pisa, 14-16 maggio.
 81. Cosenza E., Galasso C., Maddaloni G.. (2009). *Resistenza del calcestruzzo: modellazione probabilistica e risultati sperimentali*. Atti del convegno "Giornate AICAP 09". Pisa, 14-16 maggio.
 82. Magliulo G., Cosenza E., Maddaloni G.. (2009). *Lo Scaling di Set di Accelerogrammi per la Spettrocompatibilità secondo Normativa*. Atti del XIII Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Bologna, 28 giugno-2 luglio. ISBN 978-88-904292-0-0.
 83. Occhiuzzi A., Caterino N., Maddaloni G.. (2010). *Analisi di vulnerabilità sismica ed ipotesi di adeguamento di un edificio pubblico in struttura mista acciaio-calcestruzzo*. Atti del convegno "Strategie di sviluppo sostenibile per le costruzioni in Cina, in Europa ed in Italia per la ricostruzione dopo il terremoto dell'Aquila". Roma, 19-20 Aprile 2010. ISBN 978-88-548-4418-6.
 84. Vallario P., Roy D., Montecucollo M., Caterino N., Maddaloni G., Occhiuzzi A. (2011). *Analisi del dissesto ed adeguamento sismico di un viadotto in c.a.p. a travata continua*.
-

Giornate AICAP 2011. Padova, 19 - 21 Maggio 2011.

85. Giuseppe Maddaloni (2011). Exploitation of seismic early warning systems for semi-active control of highway bridges. Atti del XIV Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Bari, 18 -22 settembre, ISBN 978-88-7522-040-2.
86. Carmine Galasso, Edoardo Cosenza, Giuseppe Maddaloni (2011). Influence of seismic reinforcing steel properties on flexural overstrength of new designed RC beams. Atti del XIV Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Bari, 18 -22 settembre, ISBN 978-88-7522-040-2.
87. Nicola Caterino, Giuseppe Maddaloni, Antonio Occhiuzzi (2011). Modal damping ratios in base isolated structures. Atti del XIV Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Bari, 18 -22 settembre, ISBN 978-88-7522-040-2.
88. Giuseppe Maddaloni, Nicola Caterino, Antonio Occhiuzzi (2013). Utilizzo di un sistema di Early Warning sismico per la calibrazione di dispositivi MR per il controllo semiattivo delle strutture. Atti del XV Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Padova, 30 giugno -4 luglio. ISBN 978-88-97385-59-2.
89. Gennaro Magliulo, Vincenzo Pentangelo, Vittorio Capozzi, Crescenzo Petrone, Gaetano Manfredi, Giuseppe Maddaloni, Pauline Lopez, Renato Talamonti (2013). Prove su tavola vibrante di controsoffitti continui in cartongesso. Atti del XV Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Padova, 30 giugno -4 luglio. ISBN 978-88-97385-59-2.
90. Crescenzo Petrone, Gennaro Magliulo, Vittorio Capozzi, Gaetano Manfredi, Giuseppe Maddaloni, Pauline Lopez, Renato Talamonti (2013). Valutazione della prestazione sismica di partizioni in cartongesso con prove su tavola vibrante. Atti del XV Convegno dell'Associazione Nazionale di Ingegneria Sismica "L'ingegneria Sismica in Italia", Padova, 30 giugno -4 luglio. ISBN 978-88-97385-59-2.
91. Luca de Sanctis, Nicola Caterino, Giuseppe Maddaloni, Raffaele Di Laora (2013). Effetto filtro indotto dalla presenza di pali sul moto sismico alla base di un edificio. Atti del convegno IARG 2013, Incontro Annuale dei Ricercatori di Geotecnica. Perugia, 16-18 settembre. ISBN 9788890642135.
92. Prota A., Pellicchia M., Lignola G.P., Zinno A., Balsamo A., Iovinella I., Maddaloni G. (2015). Valutazione sperimentale mediante prova su tavola vibrante dell'efficacia di interventi con sistemi FRG su volte in muratura. INGENIO, MREADY Srl, RSM.

12. SCIENTIFIC CONSULTING

Giuseppe Maddaloni has carried out scientific collaboration and specialized consulting activities on numerous issues of Structural Engineering:

Year 2018

Scientific collaboration and specialist consultancy activities aimed at evaluating the bearing capacity of metal and plastic connectors for the Institute for Construction Technologies (ITC) of the National Research Council (CNR).

Year 2017

Scientific collaboration and specialist consultancy for anti-seismic experiments on curtain walls and windows at the new "Future Lab" laboratory of the Mediterranean University of Reggio Calabria.

Year 2017

Scientific collaboration and specialist consultancy activities aimed at verifying seismic vulnerability and calculating the residual life of the historic building located in Pietradefusi (Av) at Dentecane, home of the Liceo Classico.

Year 2017

Consultancy activities for the seismic risk assessment of buildings for the VVFF of the Naples provincial command.

Year 2016

Consultancy activities for the execution of diagnostic investigations and evaluation of the safety results of the floors of 19 buildings

Year 2016

Consulting activity for the verification of seismic vulnerability of a viaduct located in the municipality of Atripalda (AV)

Year 2012

Scientific and professional collaboration with ANAS s.p.a, as a researcher expert in seismic engineering and risk mitigation, for the seismic improvement project with innovative technologies (additional insulation and dissipation) of a viaduct in c.a./c.a.p. site in the province of Salerno.

Year 2010

Specialist consulting activity for the assessment and mitigation of seismic vulnerability of buildings of the Bellisario school of Avezzano (AQ).