



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

FACOLTÀ DI INGEGNERIA

Prof. Vincenzo Gattulli

Curriculum scientifico

(Aggiornato il 14/06/2013)

Curriculum Vitae

Born in Rome, 10.05.1965. Fives Years Programme Degree in Civil Engineering cum laude (Roma "La Sapienza", 1990). Official in the Military Corps of Engineers "Genio Militare", 1990-1991. Visiting Scholar and then Research Assistant at the "National Center for Earthquake Engineering Research NCEER" with headquarter at SUNY at Buffalo, 1992-1994. Master of Science Degree in Civil Engineering at SUNY at Buffalo August 1994. Philosophy Doctor at University of Rome "La Sapienza" February 1996. Assistant Professor at DISAT, University of L'Aquila, Italy, 1996-2002. Associate Professor at DISAT, University of L'Aquila, Italy, 2002 - current. Since 1992 to 1994 he has contributed to the research on active structural control in collaboration with prof. T.T. Soong at the NCEER, USA. Coming back in Italy on September 1994 defends the PhD thesis. Since 1995, he becomes Assistant Professor at University of L'Aquila. On 1997 he spend a period of two months at The Johns Hopkins University in Baltimore, USA, working with prof. R. Ghanem in research projects related to structural identification and control. On 1999 he is confirmed with tenure in the position of Assistant Professor at University of L'Aquila. On 2000 he is visiting prof. C. Taylor and J. Macdonald at University of Bristol in order to start collaboration on the research topic of cable-structure interaction in stayed system.

On June 2001 he becomes able to cover the role on Associate Professor in a public competition at University of Ancona. On March 2002 he became Associate Professor at University of L'Aquila at the Engineering Faculty. On March 2005 he is confirmed with tenure in the position of Associate Professor at University of L'Aquila. On March 2006 he is invited as lecturer at University of Porto and he is the international scientific consultant for the research group of prof. E. Caetano and A. Cunha in the project regarding the identification and monitoring of the International Gadiana Cable-Stayed Bridge.

Since 2005 he is coordinator of the research unit of University of L'Aquila within the RELUIS National project supported by *Protezione Civile*

working on innovative systems for seismic protection of structures. Since December 2006 is acting as the general secretary of the three-years project SICON, financed by the European Community through the Marie Curie action in the 6th European Programme. In the same year he acts as coordinator of the DISAT research unit for a two-years National Project PRIN, on the subject of innovative identification and monitoring for structures. On 2008 he is a reviewer for the call PRIN 2007. He is currently strongly occupied in the institutional activities to support the recovering and reconstruction phases of the city of L'Aquila, strongly struck by the April, 6 2009, earthquake. He is elected from the Department as representative of the civil engineering area in the research and managing board of the new research centre in earthquake engineering CERFIS (www.cerfis.it). He is the Research Delegate of the Director of the new Department of Civil, Construction-Architectural and Environmental Engineering.

Research Interests

His activity is devoted full time in research and teaching. Since 1990, the studies have been conducted through analytical, numerical and experimental methods in different fields of structural mechanics.

The basic research issues concerns with: structural dynamics and stability, structural control and identification, structural reliability, earthquake engineering. In particular the research contribution published on international journals, book chapters and conferences proceedings are devoted to this specific themes:

- Computational Mechanics and Structural Analysis:

- § finite element methods and its applications;
- § linear and nonlinear structural analysis of complex systems;
- § soil-structure and fluid-structure interactions;

- Structural Control of Induced Vibrations:

- § passive, semi-active and active control systems for earthquake engineering;
- § passive, semi-active and active control for cables and cable-supported structures;
- § adaptive control and tuned mass dampers;

- Nonlinear Dynamics and Stability:

- § cable nonlinear dynamics;
- § cable-structure interaction in stayed systems
- § critical and post-critical behaviour of self-excited oscillation in structures

- Structural Identification and Monitoring

- § modal and parametric identification and fem model updating
- § damage identification in cables
- § integrated identification and control strategies

- Structural Reliability and Management of Existing Structures

- § management methods for structures and infrastructures
- § reliability analysis of existing structures
- § seismic vulnerability of complex masonry structures

Research activities and projects

- NCEER at SUNY Buffalo ? Experimental studies on an actively controlled shear type model on a shaking table (1992 ?1994)
- University of L'Aquila ? Experimental and analytical studies on cables and cable-supported structures; theoretical studies on nonlinear dynamics, identification and control; developer of reliability-based Bridge Management Systems
- Researcher in projects supported by CNR (EOLICA,1997) MURST (Project of National interest on dynamic behaviour of structures, 1997-1999, 2000-2001, 2001-2002, 2003-2004, 2004-2005).
- Coordinator of research unit on semi-active control for seismic engineering within the national project RELUIS; grant 2007-2009
- Coordinator of project supported by MURST (Project of National interest on structural identification, 2006-2007); grant PRIN06
- The General Secretary of the three-years SICON project (Stability, Identification and CONtrol in Nonlinear structural dynamics) financed by the European Commission through the action *Marie Curie* within the 6th European Programme. During the developing of the project he is keynote speaker in the events TC2, TC3 and TC4.
- He is author of more than 150 publications on International Journal and National and International conference proceedings.
- Member of different associations of structural mechanics such as ACS (European Association for Control of Structures), AIMETA (Associazione Italiana Meccanica Teorica ed Applicata), ANIV (Associazione Italiana Ingegneria del Vento), ASCE ? EM (American Association of Civil Engineering).
- Member of the editorial boards of the following international journals: *Computers and Structures*, *International Journal of Mechanics and Solids*, *Journal of Structural Control and Health Monitoring* (up to 2010), *International Journal of Computer Science and Application*, *Open Journal of Earthquake Engineering*, *Current Advances in Civil Engineering*, *Journal of Applied Mechanical Engineering*, *Journal of Structures*
- Referee for Peer-Reviewed Journals: *Nonlinear Dynamics*, *Journal of Vibration and Control*, *Computer-Aided Civil Engineering and Infrastructures*, *ASCE Journal of Engineering Mechanics*, *Journal of Structural Control and Health Monitoring*, *Engineering Structures*, *Meccanica*, *International Journal of Solids and Structures*, *Computers and Structures*, *ASCE Journal of Performance of Constructed Facilities*.
- Invited Seminars: University of Columbia, New York; University of Bristol UK; Joint Research Center ad Ispra; Universidade do Porto ? FEUP, LNPC, Nantes; Politecnico di Torino.
- Invited lecture: Eleventh International Conference on Civil, Structural and Environmental Engineering Computing, St. Julians, Malta, 18-21 September 2007; The Ninth International Conference on Computational Structures Tecnology, Athens, 2008; IUTAM Symposium on Nonlinear Stochastic Dynamics and Control, Hangzhou (Cina), Maggio 2010; The Thirteenth International Conference on Civil, Structural and Environmental Engineering Computing Chania, Crete, September 2011; Wondermasonry 2011 Florence, November 2011.

As Faculty member of DISAT, he is currently teaching Basic Structural Mechanics for Environmental Engineers and Computational Mechanics for the specialized courses in Civil, Environmental and Chemical Engineering. He has been teacher of Structural Dynamics (2000-2001), Basic Structural Mechanics for Civil Engineering, (2001-2002), Theory of Structures (2001-2002, 2002-2003, 2003-2004).

Scientific Production Digest

Vincenzo Gattulli is author and co-author of 150 scientific publications: 31 papers on international journals, 12 chapters on volume, 4 papers on national journals, 56 papers on international conference proceedings, 28 papers on national conference proceedings, 2 book reviews, 18 research reports. The publications on international journals are cited 285 times, for a h-index **11**(sources SCOPUS: <http://scopess.elsevier.com/>) or cited 604 for h-index **13** (sources GOOGLE Scholar).

International Journals

1. Gattulli V., Antonacci E. and F. Vestroni, "Field observations and failure analysis of the Basilica S. Maria di Collemaggio after the 2009 L'Aquila earthquake". *Engineering Failure Analysis*, in press, 2013.
2. Ceci A.M., V. Gattulli and F. Potenza "Serviceability and damage scenario in RC irregular structures: post-earthquake observations and modelling predictions? *ASCE Journal of Performance of Constructed Facilities*, vol.27(1), pp. 98-115 2013.
3. Lepidi M. and V. Gattulli, "Static and dynamic response of elastic suspended cables with thermal effects". *International Journal of Solids and Structures*, vol. 49(9), pp. 1103-1116, 2012.
4. Federici F., F. Graziosi, M. Faccio, V. Gattulli, M. Lepidi and F. Potenza, "An integrated approach to the design of Wireless Sensor Networks for structural health monitoring". *International Journal of Distributed Sensor Networks*, 2012, Article ID 594842, doi:10.1155/2012/594842.
5. Antonacci E., A. De Stefano, V. Gattulli, M. Lepidi and E. Matta, "Comparative study of vibration-based parametric identification techniques for a three-dimensional frame structure" *Journal of Structural Control and Health Monitoring*, vol. 19(5), pp. 579-608, 2012.
6. Ceci A. M., A. Contento, L. Fanale, D. Galeota, V. Gattulli, M. Lepidi and F. Potenza "Structural performance of the historic and modern buildings of the University of L'Aquila during the seismic events of April 2009" *Engineering Structures* vol. **32**(7), pp.1899-1924, 2010.
7. Gattulli V., M. Lepidi and F. Potenza "Seismic protection of frame structures via semi-active control: modelling and implementation issues" *Earthquake Engineering and Engineering Vibration* vol. **8**(4), pp.627-645, 2009.
8. Lepidi M., V. Gattulli and D. Foti "Bell-swinging resonances and their cancellation identified by dynamical testing in a modern bell tower" *Engineering Structures* vol. **31**(7), pp.1486-1500, 2009.
9. Lepidi M., V. Gattulli and F. Vestroni "Damage identification in elastic cables through frequency measurements" *Journal of Vibration and Control* vol. **15**(6), pp.867-896, 2009.
10. Topping B.H.V., V. Gattulli, Z. Dimitrová and J. Pombo "Civil Comp Special Issue? Editorial vol. **87** (9-10), pp. 1175-1176
11. Caetano E., A. Cunha, V. Gattulli and M. Lepidi "Cable-deck dynamic interactions at the International Gadiana Bridge: on-site measurements and finite element modelling," *Journal of Structural Control and Health Monitoring* vol. **15**(3), pp. 237-264, 2008.
12. Gattulli V., R. Alaggio and F. Potenza "Analytical prediction and experimental validation for longitudinal control of cable oscillations" *International Journal of Non-Linear Mechanics*

vol. **43**(1), pp.36-52, 2008.

13. Lepidi M., V. Gattulli and F. Vestroni "Static and dynamic response of elastic suspended cables with damage" *International Journal of Solids and Structures* vol. **44**(25-26) , pp. 8194-8212, 2007.
14. Gattulli V. and M. Lepidi, "Localization and veering in cable-stayed bridge dynamics" *Computer and Structures* vol. **85**(21-22) , pp. 1661-1668, 2007.
15. Gattulli V., L. Martinelli, F. Perotti and F. Vestroni, "Dynamics of suspended cables under turbulence loading: reduced models of wind field and mechanical system" *Journal of Wind Engineering and Industrial Aerodynamics*, vol. **95**(3) , pp. 183-207, 2007.
16. Gattulli V., M. Lepidi, J. Macdonald and C. Taylor, "One-to-two global local interaction in a cable stayed beam observed through analytical, finite element and experimental models" *International Journal of Non-Linear Mechanics* , vol. **40**(5) , pp. 571-588, 2005.
17. Gattulli V. and L. Chiaramonte, "Condition assessment by visual inspection for a bridge management system" *Computer-Aided Civil and Infrastructure Engineering* vol. **20**(2), pp.95-107, 2005.
18. Gattulli V. and R. Ghanem, "Adaptive positioning control of guyed offshore towers through active mass dampers" *The Arabian Journal of Science and Engineering* vol. **29**(1C), pp.13-26, 2004.
19. Gattulli V., F. Di Fabio and A. Luongo, "Nonlinear Tuned Mass Damper for self-excited oscillations" *Wind and Structures* vol. **7**(4), pp. 251-264, 2004.
20. Gattulli V., L. Martinelli, F. Perotti and F. Vestroni, "Nonlinear oscillations of cables under harmonic loading by analytical and finite element models" *Computer Methods in Applied Mechanics and Engineering*, vol. **193** , pp. 69-85, 2004.
21. Gattulli V. and M. Lepidi, "Nonlinear interactions in the planar dynamics of cable-stayed beam" *International Journal of Solids and Structures*, vol. **40**(18), pp. 4729-4748, 2003.
22. Gattulli V., F. Di Fabio and A. Luongo, "One to one double Hopf bifurcation in aeroelastic oscillators with tuned mass dampers" *Journal of Sound and Vibrations* vol. **262**(2), pp. 201-217, 2003.
23. Gattulli V., Morandini M. and A. Paolone, "A parametric analytical model for nonlinear dynamics in cable-stayed beam," *Earthquake Engineering and Structural Dynamics*, vol. **31**, pp. 1281-1300, 2002.
24. Gattulli V., F. Di Fabio and A. Luongo, "Simple and double Hopf bifurcations in aeroelastic oscillators with Tuned Mass Dampers" *Journal of Franklin Institute* vol. **338**(2,3), pp. 187-201, 2001.
25. Gattulli V. and F. Vestroni, "Nonlinear strategies for longitudinal control in the stabilization of an oscillating suspended cable" *Dynamics and Control* vol. **10**(4), pp. 359-374, 2000.
26. Gattulli V. and F. Romeo, "Integrated procedure for identification and control of MDOF structures" *ASCE Journal of Engineering Mechanics*, vol. **126**(7), pp. 730-737, 2000.
27. Gattulli V. and F. Romeo, "Adaptive mass damper for self-excited oscillations" *Journal of Structural Control* vol. **6** (2), pp. 187-203, 1999.
28. Gattulli V. and R. Ghanem, "Adaptive control of flow-induced vibrations including vortex effects" *International Journal of Non-Linear Mechanics* vol. **34**(5), pp. 853-868, 1999.
29. Pasca M., F. Vestroni and V. Gattulli, "Active longitudinal control of wind-induced oscillations of a suspended cable," *Meccanica*, vol. **33**(3), pp. 255-266, 1998.
30. Gattulli V. and A. Paolone, "Planar motion of a cable-supported beam with feedback controlled actions," *Journal of Intelligent Material Systems and Structures*, vol. **8**(9), pp. 767-774, 1997.
31. Gattulli V., M. Pasca, and F. Vestroni, "Nonlinear oscillations of a non-resonant cable under in-plane excitation with a longitudinal control," *Nonlinear Dynamics*, vol. **14**, pp.139-156, 1997.

Publications on Volume (invited)

32. Gattulli V. "Advanced Applications in the Field of Structural Control and Health Monitoring After the 2009 L'Aquila Earthquake", in Dr Sebastiano D'Amico (Ed.), ?
Engineering Seismology, Geotechnical and Structural Earthquake Engineering?, InTech, Chapter 9, 2013. ISBN 978-953-51-1038-5
33. Gattulli V. "Il ruolo dell'Università e della Ricerca per il restauro e la ricostruzione dell'Aquila e del suo territorio", in L. Milano, C. Morisi, C. Calderini, A. Donatelli (Editors), "
L'Università e la Ricerca per l'Abruzzo: il patrimonio culturale dopo il terremoto del 06 Aprile 2009", Textus Edizioni, pp 29-30, 2012. ISBN 978-88-87132-80-9
34. Antonacci E., V. Gattulli, A. Martinelli and F. Vestroni "La Basilica di S. Maria di Collemaggio in L'Aquila: prima e dopo il terremoto ", in L. Milano, C. Morisi, C. Calderini, A. Donatelli (Editors), "
L'Università e la Ricerca per l'Abruzzo: il patrimonio culturale dopo il terremoto del 06 Aprile 2009", Textus Edizioni, pp 45-51, 2012. ISBN 978-88-87132-80-9
35. Antonacci E., V. Gattulli, D. Galeota and L. Fanale "Analisi del danno strutturale e del comportamento sismico di Palazzo Carli", in L. Milano, C. Morisi, C. Calderini, A. Donatelli (Editors), "
L'Università e la Ricerca per l'Abruzzo: il patrimonio culturale dopo il terremoto del 06 Aprile 2009", Textus Edizioni, pp 92-97, 2012. ISBN 978-88-87132-80-9
36. Centofanti M., R. Continenza, P. De Berardinis, A. Di Egidio, D. Dominici, D. Galeota, V. Gattulli, R. Morganti and G. Totani "Miglioramento sismico e recupero di Palazzo Camponeschi", in L. Milano, C. Morisi, C. Calderini, A. Donatelli (Editors), "
L'Università e la Ricerca per l'Abruzzo: il patrimonio culturale dopo il terremoto del 06 Aprile 2009", Textus Edizioni, pp 265-271, 2012. ISBN 978-88-87132-80-9
37. Centofanti M., S. Ciranna, P. De Berardinis, D. Galeota, V. Gattulli and R. Morganti "Palazzo della Direzione Generale CARISPAQ", in L. Milano, C. Morisi, C. Calderini, A. Donatelli (Editors), "
L'Università e la Ricerca per l'Abruzzo: il patrimonio culturale dopo il terremoto del 06 Aprile 2009", Textus Edizioni, pp 301-308, 2012. ISBN 978-88-87132-80-9
38. Gattulli V., "Role and perspective of computational structural analysis for sustainable reconstruction and seismic risk mitigation after an earthquake", in B.H.V. Topping and Y. Tsompanakis, (Editor), "
Civil and Structural Engineering Computational Technology", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 1, pp 1-34, 2011. doi:10.4203/csets.28.1 ISSN 1759-3158
39. Gattulli V., M. Lepidi, F. Potenza and A. Ceci, "Optimization of viscous coupling between adjacent structures excited by ground motion," in
The dynamic interaction of soil and structure, D'Ovidio, Nagamura, Rovelli, Valente Eds., Aracne Editrice, 2011, ISBN 978-88-548-3693-8.
40. Gattulli V., M. Lepidi and F. Potenza, "Design of damper viscous properties for semi-active control of asymmetric structures,"
IUTAM Symposium on Nonlinear Stochastic Dynamics and Control, Springer-Verlag, IUTAM Book series vol. 29, 2010, ISBN 978-94-007-0731-3.
41. Gattulli V., M. Lepidi and F. Potenza, "Mitigation of seismic vibration by semi-active control".
School and Symposium on Smart Structural Systems Technologies, Book Barros and Premount eds, 2010, ISBN 978-989-96697-0-3
42. Gattulli V. "Enhanced modelling of cable-stayed bridge dynamics," in B.H.V. Topping, M. Papadrakakis, (Editors), "
Trends in Computational Structures Technology", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 5, pp 97-124, 2008. doi:10.4203/csets.19.5 ISSN 1759-3158

43. Gattulli V. "Advanced control strategies in cable dynamics," *Civil Engineering Computations: Tools and Techniques*, Chapter 11, B.H.V. Topping Ed. Saxe-Coburg Publications, Stirlingshire, UK 2007. ISBN 978-1-874672-32-6

National Journals

44. Gattulli V. and M. Lepidi, "Sistemi per la gestione della manutenzione di opere civili in servizio" *PONTE*, DEI Genio Civile, vol.14(5) pp. 31-35, 2006.
45. Gattulli V. and M. Lepidi, "La valutazione della sicurezza strutturale nella gestione delle opere civili esistenti" *PONTE*, DEI Genio Civile, vol. 14(4) pp. 37-41, 2006.
46. Gattulli V. and M. Lepidi, "La sicurezza delle strutture nella gestione delle opere civili" *Unione & Certificazione*, LI (2), pp. 47-48, 2006.
47. Gattulli V. and M. Lepidi, "La modellazione dei cavi nell'analisi sismica dei ponti strallati" *Ingegneria Sismica*, vol. 19(3), pp. 21-33, 2002.

Manuscript submitted or in preparation

48. Gattulli V. and G. Liberati "Risk assessment of failure in infrastructure design projects". *Computer-Aided Civil and Infrastructure Engineering* 2013.
49. Gattulli V., F. Potenza and M. Lepidi "Damping performance of two oscillators coupled by a dissipative connection". *Journal of Sound and Vibration* submitted 2013.
50. Foti D., V. Gattulli and F. Potenza "Output-only modal identification of a damaged building through rapid dynamic testing for post-earthquake retrofitting interventions". *Computer-Aided Civil and Infrastructure Engineering* submitted 2013.

Publications on Proceedings of International Conferences

51. Gattulli V., F. Graziosi, F. Federici, F. Potenza, A. Colarieti and M. Lepidi, "Structural Health Monitoring of the Basilica S. Maria di Collemaggio" *Proceedings of The Fifth International Conference on Structural Engineering, Mechanics and Computation (SEMC 2013)*, 2-4 September 2013, Cape Town South Africa
52. Castellano M.G., R. Borrella, S. Infanti and V. Gattulli, "Experimental characterization of nonlinear fluid viscous dampers according to the New European Standard", EACS 2012, 5th European Conference on Structural Control, Genoa, Italy ? 18-20 June 2012.
53. Gattulli V., M. Lepidi, F. Potenza and A. M. Ceci "Seismic protection and retrofitting through nonlinear fluid viscous damper interconnecting substructures", EACS 2012, 5th European Conference on Structural Control, Genoa, Italy ? 18-20 June 2012
54. Gattulli V. and M. Lepidi "Temperature effects on the static and dynamic response of elastic suspended cables" *ENOC 2011*, 24-29 Luglio 2011, Roma, Italia.
55. Antonacci E., A. Ceci, A. Colarieti, V. Gattulli, F. Graziosi, M. Lepidi and F. Potenza, "Dynamic testing and health monitoring via wireless sensor networks in the post-earthquake assessment of structural condition at L'Aquila" *8th European Conference on Structural Dynamics*, Eurodyn11, Leuven, Belgium, July 2011.
56. Gattulli V., Lepidi M., Potenza F. and Ceci A. M., "Nonlinear viscous dampers interconnecting adjacent structures for seismic retrofitting" *8th European Conference on Structural Dynamics*, Eurodyn11, Leuven, Belgium, July 2011.
57. Foti D., M. Mongelli, V. Gattulli, F. Potenza and A.M. Ceci, "Output-only structural identification of the Engineering Faculty Edifice A at L'Aquila" *Fourth IOMAC Conference, Istanbul, Turkey*, 9-11 May 2011
58. Ceci A., L. Fanale, D. Galeota, V. Gattulli, M. Lepidi and F. Potenza "Seismic retrofitting of recently-built

- Conference on Sustainable Development Strategies for Constructions in Europe and China* Roma, Italy, 19-20 April 2010.
59. Carneiro, R.B., V. Gattulli, S.M. Avila and J.L. Brito. V. "Structural vibration control using semi-active damper" . *XIII DINAME International Symposium on Dynamics Problem on Mechanics*, Angra dos Reis (Brazil), March 2008.
60. Dolce M., F. C. Ponzio, A. Di Cesare, R. Ditommaso, C. Moroni, D. Nigro, G. Serino, S. Sorace, V. Gattulli, A. Occhiuzzi, A. Vulcano and D. Foti, "JET-PACS project: joint experimental testing on passive and semi-active control systems". *The 14th World Conference on Earthquake Engineering* Beijing, China, October, 2008.
61. Lepidi M., V. Gattulli and D. Foti, "Dynamic identification of a modern bell tower: resonance cancellation through stiffening intervention". *4th European Conference on Structural Control 4ECSC* , St. Petersburg (Russia), September 2008.
62. Gattulli V., M. Lepidi, F. Potenza and R. Carneiro, "Semiactive control using MR dampers of a frame structure under seismic excitation". *Seismic Engineering International Conference MERCEA2008* , Reggio Calabria (Italy), July 2008.
63. Gattulli V. and M. Lepidi, "Modal interactions around a multiple frequency veering in cable-stayed structures" . *7th European Conference on Structural Dynamics EURODYN2008*, Southampton (UK), July 2008.
64. Lepidi M., V. Gattulli and D. Foti, "High amplitude forced oscillations of a modern bell tower in Rome" . *8th World Congress on Computational Mechanics WCCM8-ECCOMAS 2008*, Venice (Italy), July 2008.
65. Carneiro R., V. Gattulli, M. Lepidi. and F. Potenza, "Mitigation of three-dimensional vibrations of a frame structure using MR dampers?," *Eleventh International Conference on Civil, Structural and Environmental Engineering Computing*, St. Julians, Malta, 18-21 September 2007.
66. M. Lepidi, R. Del Re and V. Gattulli, " Vibrations of a taut cable with a transverse hysteretic device," *Eleventh International Conference on Civil, Structural and Environmental Engineering Computing*, St. Julians, Malta, 18-21 September 2007.
67. Alaggio R., F. Benedettini and Gattulli V., "Identification and condition assessment of the ?Villa Passo? reinforced concrete arch bridge" *ARCH?07 - 5th International Conference on Arch Bridges Madeira*, 12-19 September 2007.
68. Gattulli V., M. Lepidi, E. Caetano and A. Cunha "Cable-deck dynamic interactions at the International Gadiana Bridge," *Proc. of Third International Conference on Bridge Maintenance Safety and Management*, Porto, Portugal, July 16-19, 2006.
69. Lepidi M., V. Gattulli and F. Vestroni "Damage identification in suspended cables through dynamic measures," *Proc. of Fourth World Congress on Structural Control and Monitoring*, San Diego, USA, July 11-13, 2006.
70. Gattulli V., L. Nicolucci and M. Lepidi "Veering phenomena in cable-stayed bridge dynamics," *Proc. of Sixth European Conference on Structural Dynamics, Eurodyn05*, Paris, France, September 4-7, 2005.
71. Gattulli V., and L. Soria, "Reliability assessment of deteriorating RC bridges," *Proc. of the Ninth Int. Conf. on Structural Safety and Reliability, ICOSSAR?05, Rome, Italy, June 19-23, 2005*.
72. Gattulli V., "Structural reliability assessment in maintenance management systems," *Maintenance Management MM05, Venice, Italy, April 13, 2005*.
73. Gattulli V., and G. Conflitti, "Reliability-based assessment of a concrete arch-bridge," *ARCH?04 - 4th International Conference on Arch Bridges Barcelona, 17-19 November 2004*.
74. Vestroni F., V. Gattulli, L. Martinelli and F. Perotti, "Finite element and reduced-order analytical models for nonlinear response of cables to harmonic loadings," *7th Int. Conf. on Computational Structures Technology Lisbon, Portugal, 7-9 September 2004*.

75. Gattulli V., "Dynamic interactions in cable-stayed bridges," *4th International Workshop on Structural Control*, New York, USA, June 2004.
76. Gattulli V., and M. Lepidi, "Modal interactions in flexible structures with energy transfer from low- to high-frequency," *457 Euromech Colloquia on Nonlinear Normal Modes*, Frejus, FR, June 2004.
77. Gattulli V., M. Lepidi, J. McDonald and C. Taylor "One-to-two global-local quadratic interaction in a cable-stayed beam: analytical prediction and experimental validation," *Fifth Symposium on Cable Dynamics*, Santa Margherita, Italy, June. 2003.
78. Gattulli V., "Condition evaluation by visual inspections for a bridge management system" *2nd International Conference Structural Diseases and Reliability*, Naples, Italy, 2003.
79. Martinelli L., V. Gattulli and F. Vestroni "Nonlinear behaviour of a suspended cable under stationary and non-stationary loading," *Fifth European Conference on Structural Dynamics, Eurodyn02*, Munich, Germany, 2002.
80. Beolchini G. C., V. Gattulli and R. Ghanem "Data fusion in bridge health monitoring for management," *First International Conference on Bridge Maintenance, Safety and Management IABMAS*, Barcellona, Spain, July 2002.
81. Gattulli V., A. Paolone and G. D'Amore, "Nonlinear quadratic interactions in cable-stayed beams," *15th ASCE Engineering Mechanics Conference 2002*, New York, USA, June. 2002.
82. Gattulli V., and F. Romeo, "Structural identifiability enhancement via feedback," *3rd World Congress on Structural Control*, Como, Italy, April 2002.
83. Gattulli V., E. Silverii and A. Tatone, "Feedback bending control experienced by piezoelectric actuators," *3rd World Congress on Structural Control*, Como, Italy, April 2002.
84. Romeo F., V. Gattulli and F. Benedettini "Nonlinear parametric identification of oscillating cables using wavelets," *XVII Biennial ASME Conference on Mechanical Vibration and Noise*, Pittsburg, VA, September 2001.
85. Antonacci E., G. Beolchini, F. Di Fabio and V. Gattulli "Retrofitting effects on the dynamic behavior of the basilica S. Maria of Collemaggio," *10 CNEM*, (CD ROM), 6-9 October, Siviglia, Spain, 2001.
86. Antonacci E., G. Beolchini, F. Di Fabio and V. Gattulli "The dynamic behavior of the basilica S. Maria of Collemaggio," *2nd International Congress on Studies in Ancient Structures*, Instabul, Turkey, 9-13 July 2001.
87. Gattulli V., L. Martinelli, F. Perotti and F. Vestroni "Nonlinear interactions in cables investigated using analytical and finite element models," *Fourth Symposium on Cable Dynamics*, Montreal, CA, June. 2001.
88. Luongo A., V. Gattulli, and F. Di Fabio "1:1 Resonant Hopf bifurcations in slender space structures with tuned mass dampers " *Proceedings of 42nd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference and Exhibit*, (CD ROM), Seattle Washington, USA, 16-19 April, 2001.
89. Gattulli V., and F. Romeo, "Adaptive control of MDOF structures through non-collocated sensor/actuator pair" *Designing Civil Engineering Structures by Performance 3rd IASC International Workshop on Structural Control* World Scientific Publishing Co, River Edge 2000.
90. Gattulli V. and F. Vestroni, "Analytical and experimental studies for non-collocated control of cable oscillations," in *Structural Control, Second European Conference on Structural Control*, F. Bourquin ed., World Scientific Publishing Co, River Edge, 2000.
91. Gattulli V. "Control of oscillations by a tuned mass damper in presence of flow structure interaction phenomena," in *Structural Control, Proceedings of 2nd World Conference*, T. Kobori and Y. Inoue, K. Seto, H. Iemura and A. Nishitani eds., John Wiley and Sons, New York, pp.1313-1320, 1999.

92. Ghanem R. and V. Gattulli "Direct model reference adaptive control of nonlinear hydrodynamic oscillations," in *Structural Control, Proceedings of 2nd World Conference*,
T. Kobori and Y. Inoue, K. Seto, H. Iemura and A. Nishitani eds., John Wiley and Sons, New York, pp.869-876, 1999.
93. Gattulli V. and F. Benedettini, "Nonlinear feedback control for the stabilization of cable oscillations: analytical and experimental models," *Proceedings of XIII ASCE Engr. Mechanics Division Conference*,
(CD ROM), Baltimore, MD, June, 1999.
94. Gattulli V. and R. Ghanem, "Position and flexural control of an offshore structure in the presence of uncertain dynamics"
International Conference of Monitoring and Control of Marine and Harbour Structures, 1-4 June, Genoa, Italy, 1999.
95. Gattulli V. and R. Ghanem, "Adaptive control of flow-induced vibrations including vortex effects" in *Structural Safety and Reliability, ICOSSAR'97*
, N. Shiraishi, M. Shinozuka and Y.K. Wen eds., A.A. Balkema, Rotterdam, pp.1007-1013, 1998.
96. Gattulli V. and A. Paolone, "Stabilization of guyed mast oscillations by nonlinear feedback controlled actions," in *7th - ICAST Volume - 7th International Conference on Adaptive Structures*,
P. Santini, C. Rogers and Y. Morutsu eds., Technomic Publishing Co, Lancaster pp.353-363, 1997.
97. Gattulli V. and F. Vestroni, "Nonlinear feedback control strategies for an oscillating suspended cable,"
International Conference on Control of Oscillations and Chaos (COC'97), August 27-29, S.Petersburg, Russia, 1997.
98. Pasca M., F. Vestroni and V. Gattulli, "Active longitudinal control for wind-induced oscillations of a suspended cable," *2nd European and African Conference on Wind Engineering*, June 22-26, Genova, Italy, 1997.
99. Gattulli V., A. Luongo and A. Paolone, "Control effects on wind-induced galloping of a cable-supported beam,"
CEAS International Forum on Aeroelasticity and Structural Dynamics, June 17-20, Rome, Italy, 1997.
100. Gattulli V., M. Pasca, and F. Vestroni, "Effects of longitudinal control on the transversal oscillations of a suspended cable," in *Structural Control, First European Conference on Structural Control*,
A. Baratta and J. Rodellar eds., World Scientific Publishing Co, River Edge, pp.298-305, 1996.
101. Pasca M., V. Gattulli, and F. Vestroni, "Active control of spatial cable oscillations," in
Structural Dynamics - EURODYN'96,
G. Augusti, C. Borri and P. Spinelli, eds., A.A. Balkema, Rotterdam, pp.591-598, 1996.
102. Gattulli V. "A probabilistic rheological model for active devices", in
Applications of Statistics and Probability, ICASP-7,
M. Lemaire, J.L. Favre and A. Mébarki eds., A.A. Balkema, Rotterdam, pp.1327-1334, 1995.
103. Vestroni F., M. Pasca and V. Gattulli, "Controlled nonlinear motions of a suspended cable,"
Proceedings of International Symposium on Cable Dynamics, Liege, Belgium, October 19-20, 1995.
104. Gattulli V., "Energy evaluation on bounded nonlinear control laws for civil engineering applications," in
SPIE Volume 2361, Second European Conference on Smart Structures and Materials, Glasgow U.K. pp.67-70, 1994.
105. Wu Z., V. Gattulli, R.C. Lin and T.T. Soong, "Implementable control laws for peak response reduction," in
Structural Control, Proceedings of 1st World Conference,
G.W. Housner, S.F. Masri, and A.G. Chassiakos eds., IASC publ., TP2 pp.50-59, 1994.
106. Gattulli V., R.C. Lin, T.T. Soong, "Nonlinear control laws for enhancement of structural control effectiveness,"
Proceedings of 5th U.S. National Conference for Earthquake Engineering, Chicago, 10-14 Luglio, 971-980, 1994.

107. V. Gattulli and D. Galeota "Sperimentazione, modellazione e monitoraggio di strutture complesse in muratura colpite dal sisma Aquilano?", *Wondermasonry 11* Firenze, 2011 (relazione su invito del primo autore).
108. Gattulli V., "On the dissipative coupling of adjacent structures," *XX Congresso Nazionale AIMETA* 11, Bologna, Italy, 12-15 Settembre, 2011
109. Antonacci E., V. Gattulli, A. Martinelli and F. Vestroni, "Analisi del comportamento dinamico della Basilica di Collemaggio per il progetto di un sistema di monitoraggio". *XIV Convegno di Ingegneria Sismica ANIDIS*, Bari (Italia), Settembre 2011.
110. Ceci A., V. Gattulli and F. Potenza, "Edifice A of the Engineering Faculty of L'Aquila: earthquake damage scenario assessment through nonlinear analyses". *XIV Convegno di Ingegneria Sismica ANIDIS*, Bari (Italia), Settembre 2011.
111. Ceci A., L. Fanale, D. Galeota and V. Gattulli, "Analisi del comportamento sismico di Palazzo Camponeschi: modelli rappresentativi dello scenario di danno". *XIV Convegno di Ingegneria Sismica ANIDIS*, Bari (Italia), Settembre 2011.
112. Antonacci E., V. Gattulli, A. Martinelli and F. Vestroni, "Il crollo del transetto della Basilica di Collemaggio: analisi di vulnerabilità e meccanismo di collasso" *Sicurezza e conservazione dei beni culturali colpiti da sisma: Strategie e tecniche di ricostruzione ad un anno dal terremoto abruzzese*, 8-9 Aprile 2010, Università Iuav di Venezia.
113. Antonacci E., A. Ceci, L. Fanale, D. Galeota, V. Gattulli, M. Lepidi, F. Potenza and R. Quaresima "Il ruolo della conoscenza e dell'analisi dei materiali e delle strutture nei progetti di intervento sui palazzi storici dell'Università dell'Aquila", *Sicurezza e conservazione dei beni culturali colpiti da sisma: Strategie e tecniche di ricostruzione ad un anno dal terremoto abruzzese*, 8-9 Aprile 2010, Università Iuav di Venezia.
114. Antonacci E., A. Contento, L. Fanale, D. Galeota, V. Gattulli, M. Lepidi and F. Potenza, "Seismic analysis of complex masonry buildings, *Wondermasonry* Ischia, 2009.
115. Potenza F., L. Fanale, M. Lepidi and V. Gattulli, "Protezione sismica di strutture a telaio tramite controventi dissipativi semiattivi". *XIII Convegno di Ingegneria Sismica ANIDIS*, Bologna (Italia), Giugno 2009.
116. Beolchini G.C., G. Conflitti, A. Contento, F. D'Annibale, A. Di Egidio, F. Di Fabio, L. Fanale, D. Galeota, V. Gattulli, M. Lepidi, F. Potenza, "Il comportamento degli edifici della Facoltà di Ingegneria dell'Aquila durante la sequenza sismica dell'Aprile 2009". *XIII Convegno di Ingegneria Sismica ANIDIS*, Bologna (Italia), Giugno 2009.
117. Gattulli V., M. Lepidi and F. Potenza, "Semi-active control of the three-dimensional seismic response of a frame structure through non-located acceleration feedback". *Seminario sulle Tecnologie per l'isolamento ed il controllo di strutture ed infrastrutture*, NAPOLI (Italia), 4-5 Dicembre 2008.
118. Antonacci E., V. Gattulli and M. Lepidi, "Parametric identification of analytical and finite element models for a three-dimensional frame". *3° Workshop sui Problemi di Vibrazioni nelle Strutture Civili e nelle Costruzioni Meccaniche*, Perugia (Italia), Settembre 2008.
119. Lepidi M., V. Gattulli, D. Foti, "Resonance identification in a modern bell tower exhibiting high amplitude oscillations". *3° Workshop sui Problemi di Vibrazioni nelle Strutture Civili e nelle Costruzioni Meccaniche*, Perugia (Italia), Settembre 2008.
120. Gattulli V. and M. Lepidi, "Dynamic interactions in cable-stayed systems," *XVIII Congresso Nazionale AIMETA* 07, Brescia, Italy, Settembre, 2007.
121. Gattulli V., M. Lepidi and M. Carchesio "Osservazione di oscillazioni locali nei cavi del ponte strallato sul Guadiana," *9° Convegno Nazionale di Ingegneria del Vento* Pescara, Italia, 2006.

122. Alaggio R., V. Gattulli, and F. Potenza " Experimental validation of longitudinal active control strategy for cable oscillations," *9° Convegno Nazionale di Ingegneria del Vento* Pescara, Italia, 2006.
123. Lepidi M., F. Vestroni and V. Gattulli "Identificazione del danno in cavi sospesi attraverso misure dinamiche," *XVII Congresso Nazionale AIMETA'05*, Firenze, Italia, Settembre, 2005.
124. Perotti F., L. Martinelli, V. Gattulli and F. Vestroni "Non-linear dynamic response of suspended cables under turbulent wind excitation: analytical and numerical approaches," *8° Convegno Nazionale di Ingegneria del Vento* , Reggio Calabria, Italia, 2004.
125. Gattulli V., and M. Lepidi "Interazione lineare nell'analisi sismica di ponti strallati," *XI Congresso Nazionale 'L'ingegneria Sismica in Italia'*, Genova, Italia, Gennaio, 2004.
126. Alaggio R., F. Benedettini, and V. Gattulli "Modal testing of a retrofitted concrete arch bridge for structural identification and condition assessment," *XVI Congresso Nazionale AIMETA'03*, Ferrara, Italia, Settembre, 2003.
127. Gattulli V., M. Lepidi, and A. Luongo "Controllo con una massa accordata dell'instabilità aeroelastica di un cavo sospeso," *XVI Congresso Nazionale AIMETA'03*, Ferrara, Italia, Settembre, 2003.
128. Gattulli V., F. Di Fabio and A. Luongo, "Controllo delle oscillazioni autoeccitate attraverso TMD nonlineare" *7° Convegno Nazionale di Ingegneria del Vento* Milano, Italia, 2002.
129. Perotti F., L. Martinelli, V. Gattulli and F. Vestroni "Risposta nonlineare di un cavo sospeso soggetto a forzante non stazionaria," *7° Convegno Nazionale di Ingegneria del Vento* Milano, Italia, 2002.
130. Lepidi M. and V. Gattulli "Elementi finiti per la modellazione dinamica dei cavi in strutture strallate," *Proc. of XIV Italian Congress of Computational Mechanics*, Giulianova, Italia, 2002.
131. D'Amore G., V. Gattulli, M. Morandini and A. Paolone "Interazioni nonlineari nelle oscillazioni piane di una trave strallata," *XV Congresso Nazionale AIMETA'01*, Taormina, Italia, Sept. 2001.
132. Gattulli V. and F. Vestroni, "The stabilization of an oscillating suspended cable using nonlinear longitudinal control," *XIV Congresso Nazionale AIMETA'99*, (CD ROM), 6-9 Ottobre, Como, Italia, 1999.
133. Gattulli V. and R. Ghanem, "Adaptive control of flow-induced oscillations" *XIII Congresso Nazionale AIMETA'97* , 29 Settembre - 3 Ottobre, Siena, Italia, 1997.
134. Gattulli V. and T.T. Soong, "Active control performances in structural systems based on energy evaluation," *Terzo Convegno Nazionale di Ingegneria del Vento, IN- VENTO-94*, Roma 19-21 October, 255-266, 1994.

[Book Reviews](#)

135. Gattulli V., "V. Komornik, Exact Controllability and Stabilization. The Multiplier Method", *Meccanica*, vol. **32** (1), 1997.
136. Gattulli V., "T.T. Soong and G.F. Dargush, Passive Energy Dissipation Systems in Structural Engineering", *Meccanica*, vol. **34** (1), 1999.

[Research Reports](#)

137. Potenza F., Gattulli V., "Linee guida per la definizione degli spettri di risposta elastica nei laboratori nazionali del Gran Sasso", Gennaio 2011
Pubblicazioni CERFIS, CEntro di Ricerca e Formazione in Ingegneria Sismica, Università degli studi dell'Aquila Rpt. 7/11, 2011.
138. Antonacci E., Colarieti A., Federici F., Gattulli V., Graziosi F., Lepidi M., Potenza F. "Caratteristiche del sistema di monitoraggio della Basilica di S. Maria di Collemaggio", Settembre 2011
Pubblicazioni CERFIS, CEntro di Ricerca e Formazione in Ingegneria Sismica, Università degli studi dell'Aquila Rpt. 6/11, 2011.

139. Lepidi M. and Gattulli V. "Static and dynamic response of elastic suspended cables under uniform temperature changes?" *Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno* **Rpt. 1/11**, 2011.
140. Gattulli V., Lampis G., Antonacci E. "Sviluppo di modelli strutturali ad elementi finiti ed analisi della risposta dinamica della Basilica di S. Maria di Collemaggio", Settembre 2011
Pubblicazioni CERFIS, Centro di Ricerca e Formazione in Ingegneria Sismica, Università degli studi dell'Aquila **Rpt. 4/11**, 2011.
141. Ceci A., Foti D., Gattulli V., Lepidi M., Mongelli M. and Potenza F. "Edificio A della Facoltà di Ingegneria dell'Aquila: misure della risposta dinamica strutturale alle azioni ambientali", Marzo 2011
Pubblicazioni CERFIS, Centro di Ricerca e Formazione in Ingegneria Sismica, Università degli studi dell'Aquila **Rpt. 2/11**, 2011.
142. Potenza F., Gattulli V., "Gli spettri di risposta sismica nelle gallerie dei Laboratori Nazionali del Gran Sasso", Gennaio 2011
Pubblicazioni CERFIS, Centro di Ricerca e Formazione in Ingegneria Sismica, Università degli studi dell'Aquila **Rpt. 1/11**, 2011.
143. Ceci A., Franchin P., Gattulli V., "Procedure alternative a confronto nella valutazione dell'adeguatezza sismica di edifici in c.a.", Luglio 2010
Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno **Rpt. 1/10**, 2010.
144. Potenza F., Conflitti G., Ceci A., Gattulli V., "Valutazione della risposta sismica degli edifici A e B della Facoltà di Ingegneria attraverso modelli numerici lineari" Luglio 2009
Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno **Rpt. 9/09**, 2009.
145. Fanale L., Lepidi M., and Gattulli V., Potenza, F. "Analisi di edifici danneggiati dall'evento sismico dell'Aprile 2009 nella città dell'Aquila ed in alcuni centri minori limitrofi", Maggio 2009
Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno **Rpt. 3/09**, 2009.
146. Potenza, F. Fanale L., Lepidi M., and Gattulli V., "Controllo semiattivo di un telaio tridimensionale sottoposto a forzante sismica" *Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno* **Rpt. 2/09**, 2009.
147. Gattulli V., Lepidi M., Potenza F., Identification of analytical and finite element models for the JETPACS three-dimensional frame. Report RELUIS 2/2007, Novembre 2007.
148. Contento, A. Gattulli V., Lepidi M., and Potenza F. "Identificazione di modelli per un prototipo sperimentale di telaio tridimensionale con controventi semi-attivi"
Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno **Rpt. 2/06**, 2006.
149. Gattulli, V. and M. Lepidi "Interazioni dinamiche nelle strutture strallate"
Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno **Rpt. 1/06**, 2006.
150. D'Amore G., Gattulli V., Paolone A., McDonald J. and Taylor C. "Experimental evidence of nonlinear coupling in a cable-stayed beam," *Reports University of Bristol*, <http://cascade.eerc.bris.ac.uk> , 2001 .
151. Gattulli, V. and Paolone A. "A nonlinear model for a cable-supported beam and its applications to analyze and control aeroelastic self-excited oscillations"
Pubblicazioni DISAT, Dipartimento di Ingegneria delle Strutture delle Acque e del Terreno **Rpt. 1/98**, 1998.
152. Gattulli, V., M. Pasca, and F. Vestroni, "Nonlinear oscillations of a nonresonant cable under in-plane excitation with a longitudinal control,"
Studi e Ricerche del Dipartimento di Ingegneria Strutturale e Geotecnica, Università di Roma "La Sapienza" **Rpt. 16/96**, 1996.

153. Wu Z., T.T. Soong, V. Gattulli and R.C. Lin, "Nonlinear control algorithms for peak response reduction," *National Center for Earthquake Engineering Research Technical Report NCEER-95-004*, February 16, 1995.
154. Gattulli V., "Optimal control algorithms applied to civil engineering structures," *Quaderno di Dottorato in Ingegneria delle Strutture, 'Università di Roma "La Sapienza" e Università di L'Aquila*, Luglio, 1993.

Congress without proceedings

- a. Colarieti A., F. Federici, M. Faccio, V. Gattulli, F. Graziosi, M. Lepidi, F. Potenza. "Monitoraggio strutturale mediante reti di sensori wireless: il caso della Basilica di Collemaggio", *Congresso AICA 2010* L'Aquila 29 Settembre 1 Ottobre 2010.
- b. Gattulli V., "Il lavoro multidisciplinare dell'Ateneo dell'Aquila per gli edifici storici: Palazzo della Direzione Generale della CARISPAQ, Palazzo Carli, Palazzo Camponeschi, Complesso di San Basilio", *Convegno MIBAC Sisma in Abruzzo: Il Recupero dei Monumenti*, Venezia, 3-4 Dicembre 2009.
- c. Vestroni F., and Gattulli V., "Non-located longitudinal control for oscillating suspended cable," *The 20th IUTAM Congress ? ICTAM Chicago 2000*, Chicago, IL, Aug. 27 ? Sept.2, 2000.
- d. Gattulli V., and F. Vestroni, "Nonlinear interactions in a suspended cable with a non-located longitudinal control," *Eight Conference on Nonlinear Vibrations, Stability and Dynamics of Structures*, Blacksburg, VI, July 23-27, 2000.
- e. Gattulli V., and F. Vestroni, "Analytical and experimental studies for non-located control of cable oscillations," *Fourth Euromech Solid Mechanics Conference*, Metz, France, June 26-30, 2000.
- f. Gattulli V., and R. Ghanem, "System identification via adaptive control of vortex-induced vibrations," *McNughey 97, The Joint Summer Meeting of American Society of Mechanical Engineering (ASME), American Society of Civil Engineering (ASCE) and Society of Engineering Science (SES)*, Evanston, Illinois, June 29 - July 2, 1997.
- g. Pasca, M., V. Gattulli, and F. Vestroni, "In-plane and out-of-plane oscillations of a nonresonant suspended cable with a longitudinal control," *Sixth Conference on Nonlinear Vibrations, Stability and Dynamics of Structures*, Blacksburg, VI, 9-13 Giugno, 1996.
- h. Gattulli, V., "Nonlocal Equivalent Forms of Constitutive Equations for Smart Materials," *First French-Italian-Polish Conference on Theoretical and Applied Mechanics*, Rome, Italy 13-15 September, 1995.
- i. Gattulli, V., "Passive and active control of wind induced oscillations in slender antennas," *2nd B.E.A.T.R.I.C.E. Euroconference*, Villa Vigoni Como, Italy 6-9 September, 1995.

Laurea, Master and PhD thesis

- Gattulli V., "Analisi strutturale e dinamica del moto di un sistema spaziale deformabile," *Tesi di Laurea in Ingegneria Civile Edile presso l'Università degli Studi di Roma "La Sapienza"*, Luglio 1990.
- Gattulli V., "Implementation of nonlinear control laws for peak response reduction in active structural systems," *Master of Science of Civil Engineering*, State University of New York at Buffalo, August 1994.
- Gattulli V., "Il Controllo attivo delle vibrazioni strutturali: algoritmi e sperimentazione su un prototipo," *Tesi di Dottorato in Ingegneria delle Strutture*, Febbraio 1995.