



CURRICULUM VITAE

LUCIA FARAVELLI

Posizione accademica

Settore Concorsuale	dal 01/11/2011 08/B2 - SCIENZA DELLE COSTRUZIONI
Settore Scientifico Disciplinare	dal 01/03/2001 ICAR/08 - SCIENZA DELLE COSTRUZIONI
Qualifica	Professore Ordinario
Anzianità nel ruolo di professore di I fascia	01/11/1990
Sede universitaria	Università degli Studi di PAVIA
Dipartimento	Dipartimento di INGEGNERIA CIVILE E ARCHITETTURA

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri:

dal 01/08/1980	Professore II Fascia	Università degli Studi di PAVIA
dal 01/11/1990	Professore I Fascia	Università degli Studi di PERUGIA
dal 01/11/1991	Professore I Fascia	Università degli Studi di PAVIA

Pubblicazioni scientifiche

Pubblicazioni principali

- 2011 - Articolo in rivista
F. Casciati, S. Casciati, L. Faravelli, A. Marzi (2011). Fatigue Damage Accumulation in a Cu-based Shape Memory Alloy: Preliminary Investigation . COMPUTERS, MATERIALS & CONTINUA, vol. 23, p. 287-306, ISSN: 1546-2218, doi: 10.3970/cmc.2011.023.287
- 2011 - Articolo in rivista
Lucia Faravelli, Clemente Fuggini, Filippo Ubertini (2011). Experimental study on hybrid control of multimodal cable vibrations . MECCANICA, vol. 46, p. 1073-1084, ISSN: 0025-6455
- 2011 - Articolo in rivista
Faravelli L., Ubertini F., Fuggini C. (2011). System identification of a super high-rise building via a stochastic subspace approach. SMART STRUCTURES AND SYSTEMS, vol. 7, p. 133-152, ISSN: 1738-1584
- 2010 - Articolo in rivista
Faravelli Lucia, Fuggini Clemente, Ubertini Filippo (2010). Toward a hybrid control solution for cable

- dynamics: Theoretical prediction and experimental validation.. STRUCTURAL CONTROL & HEALTH MONITORING, vol. 17, p. 386 -403 , ISSN: 1545-2255, doi: 10.1002/stc.313*
5. 2010 - Articolo in rivista
Faravelli Lucia, Marzi Alessandro (2010). Coupling shape-memory alloy and embedded informatics toward a metallic self-healing material . SMART STRUCTURES AND SYSTEMS, vol. 6, p. 1041-1056, ISSN: 1738-1584
 6. 2010 - Articolo in rivista
Casciati S., Faravelli L. (2010). Vulnerability assessment for medieval civic towers. STRUCTURE AND INFRASTRUCTURE ENGINEERING, vol. 6, p. 193-203, ISSN: 1573-2479, doi: 10.1080/15732470802664290
 7. 2009 - Articolo in rivista
F. Casciati, L. Faravelli, R. Al Saleh (2009). An SMA passive device proposed within the highway bridge benchmark. STRUCTURAL CONTROL & HEALTH MONITORING, vol. 16, p. 657-667, ISSN: 1545-2255, doi: 10.1002/stc.332
 8. 2009 - Articolo in rivista
Faravelli L., Ubertini F. (2009). Nonlinear state observation for cable dynamics. JOURNAL OF VIBRATION AND CONTROL, vol. 15, p. 1049-1077, ISSN: 1077-5463, doi: 10.1177/1077546308094253
 9. 2009 - Articolo in rivista
Casciati F., Faravelli L. (2009). A passive control device with SMA components: from the prototype to the model. STRUCTURAL CONTROL & HEALTH MONITORING, vol. 16, p. 751-765, ISSN: 1545-2255, doi: DOI: 10.1002/stc.328
 10. 2009 - Contributo in volume (Capitolo o Saggio)
Faravelli L., Fuggini C., Ubertini F. (2009). Hybrid Control Procedures in Mitigating Cable Vibrations. In: Hans Irschik, Michael Krommer, Kazumi Watanabe, Toshio Furukawa (Eds.). Mechanics and Model-Based Control of Smart Materials and Structures. p. 39-48, WIEN:SpringerWienNewYork, ISBN: 9783211994832, doi: 10.1007/978-3-211-99484-9
 11. 2008 - Articolo in rivista
Casciati S, Faravelli L. (2008). Structural components in shape memory alloy for localized energy dissipation . COMPUTERS & STRUCTURES, vol. 86, p. 330-339, ISSN: 0045-7949, doi: 10.1016/j.compstruc.2007.01.037
 12. 2008 - Articolo in rivista
BRUGGI M, CASCIATI S, L. FARAVELLI (2008). Cohesive Crack Propagation in a Random Elastic Medium. PROBABILISTIC ENGINEERING MECHANICS, vol. 23, p. 23-35, ISSN: 0266-8920, doi: 10.1016/j.probenmech.2007.10.001
 13. 2008 - Articolo in rivista
CASCIATI F., FARAVELLI L., FUGGINI C. (2008). Cable Vibration Mitigation by Added SMA Wires. ACTA MECHANICA, vol. 195, p. 141-156, ISSN: 0001-5970, doi: 10.1007/s00707-007-0541-x
 14. 2007 - Articolo in rivista
F. CASCIATI, FARAVELLI L, HAMD AOUI K (2007). Performance of Base Isolator with Shape Memory Alloy Bars. EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION, vol. 6, p. 401-408, ISSN: 1671-3664, doi: 10.1007/s11803-007-0787-2
 15. 2007 - Articolo in rivista
F. CASCIATI, S. CASCIATI, FARAVELLI L (2007). Fatigue Characterization of a Cu-based Shape Memory Alloy. PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES. PHYSICS, MATHEMATICS, vol. 56, p. 207-217, ISSN: 1406-0086
 16. 2007 - Articolo in rivista
CASCIATI F., COLOMBI P., FARAVELLI L. (2007). Inherent Variability of an Experimental Crack Growth Curve. STRUCTURAL SAFETY, vol. 29, p. 66-76, ISSN: 0167-4730
 17. 2004 - Articolo in rivista
Casciati Fabio, Faravelli Lucia (2004). Experimental Characterisation of a Cu-based Shape Memory Alloy toward Its Exploitation in Passive Control Devices. JOURNAL DE PHYSIQUE IV, vol. 115, p. 299-306, ISSN: 1155-4339
 18. 2004 - Articolo in rivista
Casciati Fabio, Domaneschi Marco, Faravelli Lucia (2004). Design and Implementation of a Pointer System Controller. NONLINEAR DYNAMICS, p. 203-215, ISSN: 0924-090X
 19. 2004 - Articolo in rivista

- Battaini M., Casciati Fabio, Faravelli Lucia (2004). Controlling Wind Response through a Fuzzy Controller. JOURNAL OF ENGINEERING MECHANICS, vol. 130, p. 486-491, ISSN: 0733-9399*
20. 2003 - Articolo in rivista
FARAVELLI L., ROSSI R., TORELLI G. (2003). Numerical testing of a programmable microcontroller with fuzzy and adaptive features. SIMULATION MODELING PRACTICE AND THEORY, vol. 11, p. 421-431, ISSN: 1569-190X, doi: 10.1016/S1569-190X(03)00059-5
 21. 2002 - Articolo in rivista
L. FARAVELLI, ROSSI ROBERTO (2002). Adaptive fuzzy control: theory versus implementation. JOURNAL OF STRUCTURAL CONTROL, vol. 9, p. 59-73, ISSN: 1122-8385
 22. 2001 - Articolo in rivista
Faravelli Lucia (2001). Modelling the Response of an Elastomeric Base Isolator. JOURNAL OF STRUCTURAL CONTROL, vol. 8, p. 17-30, ISSN: 1122-8385
 23. 2000 - Articolo in rivista
BATTAINI M., CASCIATI F., FARAVELLI L. (2000). Some reliability aspects in structural control. PROBABILISTIC ENGINEERING MECHANICS, vol. 15, p. 101-107, ISSN: 0266-8920
 24. 1999 - Articolo in rivista
CASCIATI F., FARAVELLI L., TORELLI G. (1999). A fuzzy chip controller for nonlinear vibrations. NONLINEAR DYNAMICS, vol. 20, p. 85-98, ISSN: 0924-090X
 25. 1998 - Articolo in rivista
BATTAINI M., CASCIATI F., FARAVELLI L. (1998). Fuzzy control of structural vibration. An active mass system driven by a fuzzy controller. EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol. 27, p. 1267-1276, ISSN: 0098-8847
 26. 1998 - Articolo in rivista
CASCIATI F., FARAVELLI L., PETRINI L. (1998). Input-signal characterization for shaking-tables.. JOURNAL OF STRUCTURAL CONTROL, vol. 5, p. 33-56, ISSN: 1122-8385
 27. 1998 - Articolo in rivista
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 28. 1998 - Articolo in rivista
BATTAINI M., BREITUNG K., CASCIATI F., FARAVELLI L. (1998). Active control and reliability of a structure under wind excitation. JOURNAL OF WIND ENGINEERING AND INDUSTRIAL AERODYNAMICS, vol. 74-76, p. 1046-1055, ISSN: 0167-6105
 29. 1998 - Articolo in rivista
CASCIATI F., FARAVELLI L., PETRINI L. (1998). Energy dissipation in shape memory alloy devices. COMPUTER-AIDED CIVIL AND INFRASTRUCTURE ENGINEERING, vol. 13, p. 433-442, ISSN: 1093-9687
 30. 1997 - Articolo in rivista
Casciati F., Faravelli L., Yao T. (1997). Control of nonlinear structures using the fuzzy control approach . NONLINEAR DYNAMICS, vol. 11, p. 171-187, ISSN: 0924-090X, doi: 10.1007/BF00045000
 31. 1997 - Articolo in rivista
BATTAINI M., F. CASCIATI, FARAVELLI L. (1997). Secondary System Analysis for Space Pay-Load. NONLINEAR DYNAMICS, vol. 12, p. 89-107, ISSN: 0924-090X
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BREITUNG K., CASCIATI F., FARAVELLI L. (1997). A random field description for stochastic boundary elements. ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol. 19, p. 223-229, ISSN: 0955-7997
 33. 1994 - Articolo in rivista
Casciati F., Faravelli L., Venini P. (1994). FREQUENCY-ANALYSIS IN STOCHASTIC LINEARIZATION . JOURNAL OF ENGINEERING MECHANICS, vol. 120, p. 2498 -2518, ISSN: 0733-9399, doi: 10.1061/(ASCE)0733-9399(1994)120:12(2498)
 34. 1994 - Articolo in rivista
Casciati F., Faravelli L., Liu X-D. (1994). LESSONS OF REHABILITATION DESIGN LEARNED FROM STATISTICAL-ANALYSES OF MASONRY SEISMIC-VULNERABILITY DATA . STRUCTURAL SAFETY, vol. 16, p. 73-89, ISSN: 0167-4730, doi: 10.1016/0167-4730(94)00028-0
 35. 1994 - Articolo in rivista
BREITUNG K, FARAVELLI L (1994). LOG-LIKELIHOOD MAXIMIZATION AND RESPONSE-SURFACE IN RELIABILITY ASSESSMENT . NONLINEAR DYNAMICS, vol. 5, p. 273-285, ISSN: 0924-090X, doi:

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36. 1993 - Articolo in rivista
Casciati F., Colombi L., Faravelli L. (1993). LIFETIME PREDICTION OF FATIGUE SENSITIVE STRUCTURAL ELEMENTS . STRUCTURAL SAFETY, vol. 112, p. 105-111, ISSN: 0167-4730, doi: 10.1016/0167-4730(93)90031-U
37. 1992 - Articolo in rivista
Casciati F., Colombi P., Faravelli L. (1992). FATIGUE CRACK SIZE PROBABILITY-DISTRIBUTION VIA A FILTER TECHNIQUE . FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES, vol. 15, p. 463-475, ISSN: 8756-758X, doi: 10.1111/j.1460-2695.1992.tb01287.x
38. 1991 - Articolo in rivista
Casciati F., Faravelli L. (1991). RANDOMNESS EFFECTS IN CRASHWORTHINESS ANALYSIS . INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, vol. 26, p. 827-834, ISSN: 0020-7462, doi: 10.1016/0020-7462(91)90034-Q
39. 1990 - Articolo in rivista
Faravelli L., Bigi D. (1990). STOCHASTIC FINITE-ELEMENTS FOR CRASH PROBLEMS . STRUCTURAL SAFETY, vol. 8, p. 113-130, ISSN: 0167-4730, doi: 10.1016/0167-4730(90)90034-M
40. 1989 - Articolo in rivista
Faravelli L. (1989). RESPONSE-SURFACE APPROACH FOR RELIABILITY-ANALYSIS . JOURNAL OF ENGINEERING MECHANICS, vol. 115, p. 2763 -2781, ISSN: 0733-9399
41. 1989 - Articolo in rivista
CASCIATI F., FARAVELLI L. (1989). HYSTERETIC 3-DIMENSIONAL FRAMES UNDER STOCHASTIC EXCITATION . RES MECHANICA, vol. 26, p. 193-213, ISSN: 0143-0084
42. 1988 - Articolo in rivista
CASCIATI F., FARAVELLI L. (1988). STOCHASTIC EQUIVALENT LINEARIZATION FOR 3-D FRAMES . JOURNAL OF ENGINEERING MECHANICS, vol. 114, p. 1760-1771, ISSN: 0733-9399

Altre Pubblicazioni

1. 2012 - Contributo in Atti di convegno
P. Basso, S. Casciati, L. Faravelli (2012). Estimating the remaining service life of a historical railway bridge. In: F. Biondini, D. Frangopol. Bridge Maintenance, Safety, Management, Resilience and Sustainability. Stresa, July 9-11, 2012, p. 608-616, CRC Balkema, ISBN: 9780415462143
2. 2012 - Contributo in Atti di convegno
F. Casciati, L. Faravelli, R. Al-Saleh, K. Hinc (2012). Structural Diagnostic via Compressive Sensing. In: F. Biondini, D. Frangopol. Bridge Maintenance, Safety, Management, Resilience and Sustainability. Stresa, July 9-11, 2012, p. 227-231, CRC Press, Balkema, ISBN: 9780415621243
3. 2012 - Contributo in Atti di convegno
F. Casciati, S. Casciati, L. Faravelli, M. Franchinotti (2012). Model Order Reduction vs. Structural Monitoring. In: C. Boller. Structural Health Monitoring 2012. Dresda, July 3-6, 2012, vol. 1, p. 830-837, DGZIP, Berlino, ISBN: 9783940283412
4. 2012 - Contributo in Atti di convegno
Sara CASCIATI, ZhiCong CHEN, Lucia FARAVELLI (2012). New Generation of Wireless and Digital Active Control Solutions. In: Del Grosso A. and Basso P.. Smart Structures - Proceedings of the 5th European Conference on Structural Control, EACS2012 . Genova, June 18-20, 2012, GENOVA:ERREDI GRAFICHE EDITORIALI, ISBN: 9788895023137
5. 2012 - Contributo in Atti di convegno
Sara CASCIATI, ZhiCong CHEN, Lucia FARAVELLI, Umut YILDIRIM (2012). An Active Mass Damper Based on Wireless Sensors and Digital Control. In: A. Del Grosso, P. Basso. Smart Structures - Proceedings of the 5th European Conference on Structural Control - EACS 2012. Genova, June 18-20, 2012, GENOVA:ERREDI GRAFICHE EDITORIALI, ISBN: 9788895023137
6. 2012 - Contributo in Atti di convegno
F. Casciati, L. Faravelli, M. Franchinotti (2012). Model Order Reduction vs. Structural Control . In: A. Del Grosso, P. Basso. Smart Structures - Proceedings of the 5th European Conference on Structural Control - EACS 2012. Genova, June 18-22, 2012, GENOVA:ERREDI GRAFICHE EDITORIALI, ISBN: 9788895023137
7. 2012 - Contributo in Atti di convegno
F. Casciati, S. Casciati, L. Faravelli, M. Franchinotti (2012). Model Order Reduction vs. Structural

- Control*. In: Menou A., Karama M., Moudden A., Benjeddou A., Saouab A, El Hami A.. ACMA2012, International Symposium on Aircraft Materials. Fez, Morocco, May 9-12, 2012, Fez:ACMA2012, ISBN: 9782953480429
8. 2011 - Contributo in Atti di convegno
S. CASCIATI, L. FARAVELLI, Z. CHEN (2011). Power Management in a Wireless Sensor for Structural Monitoring Application. In: Fu-Kuo Chank. Structural Health Monitoring 2011. Stanford, USA, September 13-15, 2011, vol. 2, p. 1535-1541, Lancaster, Pa, USA:DESTech Publications Inc, ISBN: 9781605950532
 9. 2011 - Contributo in Atti di convegno
Casciati F., Faravelli L., Fisher D. (2011). Some technical challenges in the design of rotating towers. In: Motavalli M et al.. Proceedings of SMAR 2011. Dubai, 2011, p. 52, Zurigo:EMPA, ISBN: 9783905594584
 10. 2011 - Contributo in Atti di convegno
Casciati Sara, Faravelli Lucia, Chen Zhicong (2011). Power Harvesting and Management for Structural Control Application. In: Ming Wang et al.. Proceedings of the Engineering Mechanics Institute 2011 Conference. Boston, USA, 2-4 giugno 2011, p. 400-410, Boston:Northeastern University
 11. 2011 - Contributo in Atti di convegno
Raed Al-Saleh, Sara Casciati, Lucia Faravelli (2011). SHM-based robustness: a super-tall structure case study. In: Michael Faber et al.. Proc. of the Final Conference TU0601. Praga, 30-31 maggio 2011, p. 205-230, Praga:CTU Publishing House, ISBN: 9788001047309
 12. 2011 - Contributo in Atti di convegno
Fabio Casciati, Lucia Faravelli (2011). Aging of the Elastomeric Component in Base Isolators: An Experimental Study. In: -. 15-06-2011. Beirut, 12-06-2011, p. 349-354, Beirut:Notre Dame University
 13. 2011 - Contributo in Atti di convegno
Faravelli L., Chen Z. (2011). Wireless sensors for structural control . In: G. De Roeck, G. Degrande, G. Lombaert, G. Muller (eds.). Proceedings EURODDYN2011. Lovanio, Belgio, 4-6 luglio 2011, p. 1693-1698, Lovanio:Leuven University, ISBN: 9789076019314
 14. 2011 - Contributo in Atti di convegno
Fabio CASCIATI, Lucia FARAVELLI, Umut YILDIRIM (2011). Digital Testing of a Control Law for an Active Mass Damper. In: Gentile G., Benedettini F.. EVACES'11. Varenna, Como, October 3-5, 2011 , vol. 2, p. 579-584, BRESCIA:Starrylink, ISBN: 9788896225394
 15. 2011 - Contributo in Atti di convegno
Sara Casciati, Lucia Faravelli, ZhiCong Chen (2011). A DC-Motor Based Active-Mass-Damper with Wireless Feedback for Structural Control . In: Jie Li, Ying Lei, Zhishen Wu, Ruifeng Liang. Proceedings of International Symposium on Innovation & Sustainability of Structures in Civil Engineering. Xiamen, China, 28-30/10/2011, vol. 1, p. 560-565, NANJING:Southeast University Press, ISBN: 9787564130299
 16. 2011 - Contributo in Atti di convegno
Casciati F., Casciati S., Chen Z.C., Faravelli L. (2011). WIRELESS UPGRADE OF ACTIVE CONTROL SYSTEMS. In: -. PROC. OF 12th WORLD CONFERENCE ON SEISMIC ISOLATION. SOCHI, 20-23/9/2011, Sochi:University
 17. 2011 - Contributo in volume (Capitolo o Saggio)
Casciati S, Faravelli L., Chen Z. (2011). Real-time Multi-channel Cable Replacemet for Structural Control. In: Irschik H., Krommer M., Belyaev A.. Advanced Dynamics and Model-based Control of Structures and Machines. p. 53-61, Vienna:Springer Verlag, ISBN: 9783709107966
 18. 2010 - Contributo in Atti di convegno
CASCIATI FABIO, FARAVELLI LUCIA (2010). Recent advances in structural control. In: -. Topical Problems of Continuum Mechanics. Dilijan, 4-8 Ottobre, Yerevan:National Academy of Sciences of Armenia, ISBN: 9789939630502
 19. 2010 - Contributo in Atti di convegno
Faravelli L, Casciati S., Marioni A. (2010). Viscous Fluid Devices for an Italian Viaduct. In: Kasai K. et al.. Joint Conference Proceedings 7CUEE & 5ICEE. Tokyo, March 3-5, 2010, p. 1929-1934, Tokyo:CUEE
 20. 2010 - Contributo in Atti di convegno
Fabio Casciati, Sara Casciati, Lucia Faravelli, Alessandro Marzi (2010). Fatigue features in Cu-based shape memory alloys. In: Karama M., Menou A., Moudden A. and El Hami A.. International

- Symposium on Aircraft Materials. Marrakech, May 12-14, 2010, Marrakech:ACMA Marrakech, ISBN: 9782953480412*
21. 2010 - Contributo in Atti di convegno
Faravelli Lucia, Ubertini Filippo, Fuggini Clemente (2010). System identification toward FEM updating of a super high-rise building. In: Casciati F. & Giordano M.. Structural Health Monitoring 2010. Sorrento Italy, 28 June - 4 July, p. 1023-1030, Lancaster:DEStech Publications, Inc., ISBN: 9781605950242
 22. 2010 - Contributo in Atti di convegno
Casciati Sara, Faravelli Lucia, Chen ZhiCong (2010). Frequency division multiplexing wireless connection. In: -. WiCOM 2010. Chengdu, China, 23-25 Settembre, Los Alamitos:IEEE, Inc., ISBN: 9781424437092
 23. 2010 - Contributo in Atti di convegno
Casciati S., Faravelli L., Chen Z.C. (2010). Multichannel cable replacement for structural control applications. In: -. Proceedings 5WCSCM. Tokyo, Japan, 12-14 JULY, Tokyo:Tokyo University
 24. 2010 - Contributo in Atti di convegno
Lucia Faravelli, Sara Casciati, and Agostino Marioni (2010). Viscous Fluid Devices for an Italian Viaduct . In: Kohji Tokimatsu. Joint Conference Proceedings 7CUEE & 5ICEE. Tokyo, March 2010, p. 1929-1934, Tokyo:CUEE
 25. 2010 - Contributo in Atti di convegno
Sara Casciati, Lucia Faravelli, Zhicong Chen (2010). A Real-time Multi-channel Wireless Sensing Network for Structural Monitoring Applications. In: -. 10th Int. Conference on Motion and Vibration Control. Tokyo, 17-20 agosto 2010, Tokyo:Tokyo University
 26. 2010 - Contributo in Atti di convegno
Casciati Sara, Faravelli Lucia, Chen Zhicong (2010). A real-time multi-channel wireless sensing system for analog cable replacement application. In: Casciati F. & Giordano M.. Structural health monitoring 2010. Sorrento Italy, 28 June - 4 July, p. 1188-1195, Lancaster:DEStech Publications, Inc., ISBN: 9781605950242
 27. 2010 - Contributo in Atti di convegno
Faravelli L., Ubertini F., Fuggini C. (2010). Subspace identification of the Guangzhou new TV tower. In: -. Proceedings 5WCSCM. Tokyo, Japan, 12-14 JULY, Tokyo:Tokyo University
 28. 2010 - Contributo in Atti di convegno
Casciati Sara, Faravelli Lucia, Marioni Agostino (2010). Passive devices for an italian viaduct. In: -. 14ECEE 2010. Ohrid Macedonia, 30 Agosto - 3 Settembre, Skopje:Macedonian Association for Earthquake Engineering, ISBN: 9786086518509
 29. 2010 - Contributo in Atti di convegno
Casciati Sara, Casciati Fabio, Faravelli Lucia (2010). Monitoring aspects in rotating tower. In: -. SEMC 2010. Cape town Sud Africa, 6-8 Settembre, Leiden:CRC Press, ISBN: 9780415584722
 30. 2010 - Contributo in Atti di convegno
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 31. 2009 - Contributo in Atti di convegno
Casciati F., Faravelli L., Al Saleh R. (2009). Dynamic Architecture vs. Structural Control. In: Cunha A., Dias Rodrigues J.. SMART'09. Porto, July 13-15, 2009, p. 203-214, Porto:Classica Artes Graficas, ISBN: 9789727521135
 32. 2009 - Contributo in Atti di convegno
Casciati S., Chen Z., Faravelli L. (2009). Design of a Multi-channel Real-time Wireless Connection System for Analog Cable Replacement. In: Fu-kuo Chang. Structural Health Monitoring 2009. Stanford, September 9-11, 2009, vol. 1, p. 886-893, Lancaster:DEStech Publications Inc., ISBN: 9781605950075
 33. 2009 - Contributo in Atti di convegno
Faravelli L., Chen Z. (2009). Time delay issues in a wireless network. In: J. Rodellar and E. Reithmeier (Eds). Proceedings of the 15th Workshop on Dynamics and Control. Tossa de Mar, 31 may -3 june, Barcellona:CIMNE
 34. 2009 - Contributo in Atti di convegno
Faravelli L., Casciati S., Fuggini C. (2009). Full-scale Experiment using GPS Sensors for Dynamic Tests . In: Lenci S.. AIMETA 2009. Ancona, 14-17 Settembre 2009, FANO:Aras Edizioni

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Casciati S., Faravelli L., Chen Z. (2009). A design of multi-channel wireless sensing system for Structural monitoring. In: M. Papadrakakis, N.D. Lagaros, M. Fragiadakis (eds.) . Proceedings of the COMPDYN 2009, ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. Rhodes, 2224 June 2009, Athens:ISASR
36. 2008 - Contributo in Atti di convegno
Faravelli L., Ubertini F. (2008). Experimental cable identification via dynamic testing. In: -. Proceedings of the Fourth European Workshop: Structural Health Monitoring 2008. Cracow (Polland), 2-4 July 2008, p. 873-881, Lancaster:DEStech Publications Inc., ISBN: 9781932078947
37. 2008 - Contributo in Atti di convegno
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38. 2008 - Contributo in Atti di convegno
Faravelli L. (2008). Embedded informatics toward a metallic self-healing material. In: -. Proceedings of the Fourth European Conference on Structural Control. Saint Petersburg, 8-12 September 2008, p. 218-225, Saint Petersburg:Nauka (Russian Academy of Sciences)
39. 2008 - Contributo in Atti di convegno
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42. 2008 - Contributo in Atti di convegno
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responsabilità scientifica per progetti di ricerca internazionali e nazionali, ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari

Progetto	Durata	Ruolo Ricoperto
PRIN 2004: AFFIDABILITA' NEL TEMPO DELLE STRUTTURE DI PONTI E VIADOTTI	24	Responsabile Unità
European Science Foundation - 2001-05 - Innovative Control Technologies for Vibration Sensitive Civil Engineering Structures (CONVIB)	48	Coordinatore
Human Capital Mobility program EU (1994-97) on Stochastic Mechanics ERBCHXCT940565	36	Coordinatore
COST E24 - Probabilistic Models in Timber Engineering - 2000-2005	48	Esperto
COST E55 - Modelling of the Performance of Timber Structures - 2006-2010	48	Esperto
COST TU601 - Robustness of Structures - 2007-2011	48	Delegato Italiano

direzione di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio

Tipo	Titolo	Dal	Al
Riviste	Journal of Structural Control	01/1994	12/2003
Riviste	Journal of Structural Control and Health Monitoring	01/2004	

partecipazione a comitati editoriali di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio

Tipo	Titolo	Dal	Al
Riviste	Smart Structures and Systems	01/2005	

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attribuzione di incarichi di insegnamento o di ricerca (*fellowship*) ufficiale presso atenei e istituti di ricerca, esteri e internazionali, di alta qualificazione

Tipo	Ente	Dal	Al
Ricerca	Visiting Researcher, Virginia Polytechnic Institute and Technical University, Blacksburg, Virginia (USA), 1985	07/1985	10/1985
Ricerca	Visiting Researcher, Stanford (USA), 1986 - NSF AWARD	07/1986	10/1986
Ricerca	Membro del Centro di Eccellenza in Meccatronica ACCM - Linz - Austria	01/2008	

direzione di enti o istituti di ricerca di alta qualificazione internazionale

Ente	Dal	Al
US-Europe Workshop on Sensors and Smart Structures Technology, Como, April 12-13, 2001 - European Chairman	11/2001	04/2002
Workshop on Advancing Technological Frontiers for Feasibility of Smart Structures, Strasbourg, October 2-3, 2003, European Chairman	05/2003	10/2003
ESF-NSF Workshop on Smart Structures and Advanced Sensor Technologies, Santorini, 2004, European Chairman	12/2004	06/2005
AFOSS/ARO/NSF/ONR/ESF Jointly Sponsored Workshop on Autonomic Structural Systems for Threat Mitigation, Juan les Pins, May 21-24, 2006, European Chairman	11/2005	05/2006

partecipazione ad accademie aventi prestigio nel settore

Accademia	Dal	Al
European Association for the Control of Structures - Board of Directors Member	05/1993	06/2012

conseguimento di premi e riconoscimenti per l'attività scientifica

NSF Award for Distinguished Woman Scientists, 1986

Keynote lectures:

- *National Workshop on Future Sensing Systems held in Lake Tahoe, California, 2003;*
- *4th European Conference on Structural Control, San Pietroburgo, Russia, 2008.*

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U-GOV è stato aggiornato dal 1988 per le pubblicazioni su rivista e sino dal 1997 per le pubblicazioni in atti di congresso. Tutto il pregresso (1972-1996) non è riportato. Si ricordano in particolare i due volumi: Faravelli L., 1988, Sicurezza Strutturale, Pitagora, Bologna.

Casciati F. and Faravelli L., 1991, Fragility Analysis of Complex Structural Systems, Research Studies Press, Taunton, UK.

Revisore di programmi di ricerca della statunitense National Science Foundation (NFS), e per diversi programmi negli FP6 e 7, nonché per le agenzie nazionali di stati quali: Austria, Cile, Finlandia, Italia, Romania.

Membro del comitato di selezione per l'assegnazione di borse di studio di dottorato triennali per le Scuole di Dottorato dell'Università di Padova finanziate dalla Fondazione Cassa di Risparmio di Padova e Rovigo (2010).

Membro di commissioni per l'assegnazione del dottorato di ricerca a Bologna, Girona, Roma e Sydney.

Responsabile di progetto Cooperlink con Cipro (2011).

Presidente del Consiglio di Corso di Laurea in Ingegneria Civile dell'Università di Pavia nel periodo 1995-2001.

Membro del Collegio dei Docenti del Corso di Dottorato in Ingegneria Civile (successivamente Ingegneria Civile ed Edile-Architettura) dal 1994.

She is also co-editor of "Shape Memory Alloys: Advances in Modelling and Applications", CIMNE, Barcelona.