



## CURRICULUM VITAE

**ARCANGELO MESSINA**

### Posizione accademica

<b>Settore Concorsuale</b>	dal 31/10/2011 09/A2 - MECCANICA APPLICATA ALLE MACCHINE
<b>Settore Scientifico Disciplinare</b>	dal 18/12/2000 ING-IND/13 - MECCANICA APPLICATA ALLE MACCHINE
<b>Qualifica</b>	Professore Ordinario
<b>Anzianità nel ruolo di professore di I fascia</b>	01/10/2006
<b>Sede universitaria</b>	Università degli Studi del SALENTO
<b>Dipartimento</b>	Dipartimento di INGEGNERIA DELL'INNOVAZIONE

### Posizioni ricoperte precedentemente nel medesimo ateneo o in altri:

dal 16/09/1996	Ricercatore Universitario	Università degli Studi del SALENTO
dal 01/09/2001	Professore II Fascia	Università degli Studi del SALENTO
dal 01/10/2006	Professore I Fascia	Università degli Studi del SALENTO

### Pubblicazioni scientifiche

#### Pubblicazioni principali

- 2012 - Articolo in rivista  
Arcangelo Messina (2012). *Three-Dimensional free vibration analysis of cross-ply laminated rectangular plates through 2D and exact models.. MECHANICS OF ADVANCED MATERIALS AND STRUCTURES*, vol. 19, p. 250-264, ISSN: 1537-6532, doi: 10.1080/15376494.2011.642935
- 2012 - Articolo in rivista  
Carmelo di Castri, Arcangelo Messina (2012). *Exact modeling for control of flexible manipulators. JOURNAL OF VIBRATION AND CONTROL*, vol. 18(10), p. 1526-1551, ISSN: 1077-5463, doi: 10.1177/1077546311421796
- 2011 - Articolo in rivista  
Arcangelo Messina (2011). *Influence of the edge-boundary conditions on three-dimensional free vibrations of isotropic and cross-ply multilayered rectangular plates. COMPOSITE STRUCTURES*, vol. 93(8), p. 2135-2151, ISSN: 0263-8223



4. 2011 - Articolo in rivista  
Di Castri C., Messina A. (2011). *Vibration analysis of a planar multilink manipulator using a reduced-order matrix formulation*. *MECHANICS RESEARCH COMMUNICATIONS*, vol. 38, p. 231-238, ISSN: 0093-6413
5. 2010 - Articolo in rivista  
Arcangelo Messina, Giosuè Rollo (2010). *On the transient of pressure waves in ducts for systems operating in industrial automation*. *JOURNAL OF DYNAMIC SYSTEMS, MEASUREMENT, AND CONTROL*, vol. 132, p. 021006-1, ISSN: 1528-9028
6. 2010 - Articolo in rivista  
A. MESSINA, ROLLO G (2010). *Three-dimensional free vibration analysis of cross-ply laminated rectangular plates with free edges through a displacement-based approach*. *MATHEMATICS AND MECHANICS OF SOLIDS*, vol. 15, p. 539-556, ISSN: 1081-2865
7. 2008 - Articolo in rivista  
A. MESSINA (2008). *Refinements of damage detection methods based on wavelet analysis of dynamical shapes*. *INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*, vol. 45, p. 4068-4097, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2008.02.015
8. 2006 - Articolo in rivista  
N.I. GIANNOCARO, A. MESSINA, R. NOBILE, F. PANELLA (2006). *Fatigue damage evaluation of notched specimens through resonance and anti-resonance data*. *ENGINEERING FAILURE ANALYSIS*, vol. 13, p. 340-352, ISSN: 1350-6307
9. 2005 - Articolo in rivista  
A.MESSINA, N. GIANNOCARO, A.GENTILE (2005). *Experimenting and modelling the dynamics of pneumatic actuators controlled by the pulse width modulation (PWM) technique*. *MECHATRONICS*, vol. 15, p. 859-881, ISSN: 0957-4158, doi: 10.1016/j.mechatronics.2005.01.003
10. 2004 - Articolo in rivista  
A. MESSINA (2004). *DETECTING DAMAGE IN BEAMS THROUGH DIGITAL DIFFERENTIATOR FILTERS AND CONTINUOUS WAVELET TRANSFORMS*. *JOURNAL OF SOUND AND VIBRATION*, vol. 272, p. 385-412, ISSN: 0022-460X, doi: 10.1016/j.jsv.2003.03.009
11. 2003 - Articolo in rivista  
GENTILE A., A. MESSINA (2003). *On the Continuous Wavelet Transforms applied to discrete vibrational data for detecting open cracks in damaged beams*. *INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*, vol. 40, p. 295-315, ISSN: 0020-7683
12. 2003 - Articolo in rivista  
A. MESSINA (2003). *Revisiting Galerkin's method through global piecewise-smooth functions in Christides and Barr's cracked beams theory*. *JOURNAL OF SOUND AND VIBRATION*, vol. 263, p. 937-944, ISSN: 0022-460X
13. 2003 - Articolo in rivista  
A. MESSINA (2003). *Free vibrations of multilayered doubly-curved shells based on a mixed variational approach and global piecewise-smooth functions*. *INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*, vol. 40, p. 3069-3088, ISSN: 0020-7683
14. 2002 - Articolo in rivista  
A. MESSINA, SOLDATOS K.P. (2002). *a general vibration model of angle-ply laminated plates that accounts for the continuity of interlaminar stresses*. *INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*, vol. 39, p. 617-635, ISSN: 0020-7683
15. 2002 - Articolo in rivista  
A. MESSINA (2002). *Free vibrations of multilayered plates based on a mixed variational approach in conjunction with global piecewise-smooth functions*. *JOURNAL OF SOUND AND VIBRATION*, vol. 256, p. 103-129, ISSN: 0022-460X
16. 1999 - Articolo in rivista  
A. MESSINA, SOLDATOS K.P (1999). *Influence of edge boundary conditions on the free vibrations of cross-ply laminated circular cylindrical panels*. *THE JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA*, vol. 106, p. 2608-2620, ISSN: 0001-4966
17. 1998 - Articolo in rivista  
A. MESSINA, WILLIAMS E.J., CONTURSI T. (1998). *Structural damage detection by a sensitivity and statistical-based method*. *JOURNAL OF SOUND AND VIBRATION*, vol. 216, p. 791-808, ISSN: 0022-460X
18. 1996 - Articolo in rivista



GENTILE A., A. MESSINA, TRENTADUE A. (1996). *Dynamic behaviour of a mobile robot vehicle with a two caster and two driving wheel configuration*. *VEHICLE SYSTEM DYNAMICS*, vol. 25, p. 89-112, ISSN: 0042-3114

#### Altre Pubblicazioni

1. 2012 - Abstract in Atti di convegno  
Arcangelo Messina (2012). *THREE-DIMENSIONAL DYNAMIC AND STATIC ANALYSIS OF PLATES THROUGH DIFFERENT VARIATIONAL APPROACHES*. In: Ferreira e Carrera. *Mechanics of Nano, Micro and Macro Composite Structures*. Torino, 18-20 June 2012, p. 1-2, Porto:A. J. M. Ferreira, E. Carrera
2. 2012 - Contributo in Atti di convegno  
Arcangelo Messina, Giacomo Mantriota (2012). *INTROSPECTIVE OF DAMAGE DETECTION METHODS BASED ON NATURAL FREQUENCIES CHANGES AND SENSITIVITIES*. In: J.F. Silva Gomes, Mario A.P. Vaz. *Experimental Mechanics, New Trends and Perspectives*. Porto, 22-27 July 2012, p. 1-29, Porto:J.F. Silva Gomes, Mario A.P. Vaz, ISBN: 9789728826253
3. 2011 - Monografia o trattato scientifico  
Dattoma V., Giannoccaro N.I., Messina A., Nobile R. (2011). *Fatigue and fracture behaviour of closed cell aluminum foam*. vol. 452-453, p. 373-376, Nagasaki:A. Saimoto, M.H. Aliabadi, ISBN: 9780878492411, doi: 10.4028/www.scientific.net/KEM.452-453.373
4. 2011 - Articolo in rivista  
Giacomo Mantriota, Arcangelo Messina (2011). *Theoretical and experimental study of the performance of flat suction cups in the presence of tangential loads*. *MECHANISM AND MACHINE THEORY*, vol. 46, p. 607-617, ISSN: 0094-114X
5. 2011 - Articolo in rivista  
Arcangelo Messina (2011). *Notes on a two-stage method to identify structural damaged sites and extent through genetic algorithm*. *MECHANICAL SYSTEMS AND SIGNAL PROCESSING*, vol. 25, p. 2271-2274, ISSN: 0888-3270
6. 2011 - Articolo in rivista  
Di Castri C., Messina A. (2011). *Vibration Analysis of multilink manipulators based on Timoshenko beam theory*. *JOURNAL OF ROBOTICS*, vol. vol. 2011, Article ID 890258; 2011, p. 1-21, ISSN: 1687-9600, doi: 10.1155/2011/890258
7. 2011 - Contributo in Atti di convegno  
Carmelo Di castri, Nicola Ivan Giannoccaro, Arcangelo Messina (2011). *Approccio analitico per lo studio dei modi di vibrare di manipolatori flessibili e lo sviluppo di modelli per il controllo modale..* In: Francesco Ubertini, Erasmo Viola, Stefano de Miranda, Giovanni Castellazzi. *Atti del XX Congresso dell'Associazione Italiana di Meccanica Teorica e Applicata*. Bologna, 12-15 Settembre 2011, p. 1-10, Bologna:Francesco Ubertini, Erasmo Viola, Stefano de Miranda, Giovanni Castellazzi, ISBN: 9788890634017
8. 2010 - Articolo in rivista  
Giulio Reina, Nicola I. Giannoccaro, Arcangelo Messina, Angelo Gentile (2010). *A 3D-LASER SCANNER FOR AUTONOMOUS MOBILE ROBOTS*. *INTERNATIONAL JOURNAL OF MECHANICS AND CONTROL*, vol. 11, No. 1, p. 21-27, ISSN: 1590-8844
9. 2010 - Articolo in rivista  
N.I.Giannoccaro, A.Messina, T.Sakamoto (2010). *Updating of a lumped model for an experimental web tension control system using a multivariable optimization method'*. *APPLIED MATHEMATICAL MODELLING*, vol. 34, p. 671-683, ISSN: 0307-904X
10. 2010 - Contributo in Atti di convegno  
Giulio Reina, Nicola I. Giannoccaro, Arcangelo Messina, Angelo Gentile (2010). *Mobile Robot Perception Using an Inexpensive 3-D Laser Rangefinder*. In: IEEE. *Proceedings of the IEEE International Symposium on Industrial Electronics*. Bari, Italy, 4-7 July, p. 2809-2814, NEW YORK:IEEE, ISBN: 9781424463916
11. 2010 - Contributo in Atti di convegno  
N.I.Giannoccaro, A.Messina, G.Reina, L.Spedicato (2010). *Using ultrasonic sensors for automatic tank capacity measurements*. In: 4th International Conference on Sensing Technologies. Lecce,Italy, 3-5 June 2010, p. 439-444, Palmerston North :S.C.Mukhopadhyay, A. Fuchs, G. Sen Gupta and A. Lay-Ekuakille, ISBN: 9780473169428
12. 2010 - Contributo in Atti di convegno



- Di Castri C., Messina A. (2010). *Modeling Effects on Free Vibration of a Two-Link Flexible Manipulator*. In: V. Parenti Castelli, W. O. Schiehlen. *Romansy 18, Robot design, dynamics and control. Udine (Italy), July 5, 2010 – July 8, 2010*, vol. 524, p. 1-9, Bologna:V. Parenti Castelli, W. O. Schiehlen, ISBN: 9783709102763
13. 2010 - Contributo in Atti di convegno  
Di Castri C., Messina A. (2010). *Matrix Formulations for Solving the Configuration-Dependent Eigenvalue Problem of a Two-Link Flexible Manipulator*. In: *19th International Workshop on Robotics in Alpe-Adria-Danube Region – RAAD 2010*. Budapest, Hungary, June 23–25, 2010, p. 225-230, Budapest, Obuda University:Imre J. Rudas (General Chair), ISBN: 9781424468843
  14. 2009 - Articolo in rivista  
V. Dattoma, N.I. Giannoccaro, A. Messina, R. Nobile (2009). *Prediction of residual fatigue life of aluminium foam through natural frequencies and damping shift*. *FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES*, vol. 32, p. 601-616, ISSN: 8756-758X
  15. 2009 - Contributo in Atti di convegno  
N.I. Giannoccaro, A. Messina, G. Reina, L. Spedicato (2009). *Ultrasonic sensors: improvements and development of an array moved by a digital servo motor*. In: *International Conference on Robotics, Informatics, Intelligence Control System Technologies*. Bangkok, 11-14 December, p. 183-189, Bangkok: Mongkorn Klingajay
  16. 2009 - Contributo in Atti di convegno  
C. di Castri, A. Messina, G. Reina (2009). *Modal Analysis of a Two-link Flexible Manipulator*. In: *PRINTECH. RAAD 2009. Brasov, Romania, May 25-27, 2009*, p. 1-7, BRASOV:printech, ISBN: 9786065213159
  17. 2009 - Contributo in Atti di convegno  
G. Reina, N.I. Giannoccaro, A. Messina, A. Gentile (2009). *A 3D-Laser Scanner for Mobile Robot Applications*. In: *PRINTECH. RAAD 2009. Brasov, May 25-27, 2009*, p. 1-7, BRASOV:printech, ISBN: 9786065213159
  18. 2009 - Contributo in Atti di convegno  
A. MESSINA, C. SCHIRALDI, A.M. SHELDON (2009). *Influence of vibrations on mental human performance for driving safety in heavy vehicles*. In: *Orazio Mirabella. HSI'09 - 2nd International Conference on Human system interactions*. Catania, 21-23 may 2009, p. 1-8, Catania:O. Mirabella, ISBN: 9781424439607
  19. 2009 - Contributo in Atti di convegno  
Messina A. (2009). *Three dimensional free vibration analysis of cross-ply laminated plates through 2D and exact models*. In: -. *Integrity reliability and Failure, challenges and opportunities*. Portugal, 20-24 July 2009, p. 1-18, Porto:J.F. Silva Gomes, S.A. Meguid, ISBN: 9789728826215
  20. 2009 - Contributo in Atti di convegno  
N.I. Giannoccaro, A. Messina, G. Rollo (2009). *An analytical and numerical study of pressure transients in pneumatic ducts with finite volume ends*. In: *Joaquim Filipe, Juan Andrade Cetto and Jean-Louis Ferrier. Proceedings of the. Milano, 2-5 July 2009*, vol. 3, p. 60-66, SETUBAL:INSTICC, ISBN: 9789896740016
  21. 2009 - Contributo in Atti di convegno  
N.I. Giannoccaro, A. Messina, G. Rollo (2009). *A damage detection technique based on the processing of multiple dynamic shapes through CWTs*. In: *The Sixth International Conference on Condition Monitoring and Machinery Failure Prevention Technologies*. Dublin, 23-25 June, 2009, p. 533-544, NORTHAMPTON: The British Institute of Non-Destructive Testing
  22. 2008 - Contributo in Atti di convegno  
DI CASTRI C, GIANNOCCARO N, MESSINA A, G. REINA (2008). *A Visual Odometry Algorithm for Rough-Terrain Mobile Robots*. In: *ALEXA Edizioni. 17th International Workshop on Robotics in Alpe-Adria-Danube Region*. Ancona, Italia, 15-17, Settembre, p. 1-7, Ancona:ALEXA Edizioni, ISBN: 9788890370908
  23. 2008 - Contributo in Atti di convegno  
V. DATTOMA, N. GIANNOCCARO, A. MESSINA, R. NOBILE (2008). *Fatigue damage evaluation of metallic foam specimens through modal data*. In: -. *Proceedings of the 2008 SEM XI International Congress and Exposition on Experimental and Applied Mechanics*. Orlando, 2-5 June 2008, p. 1-9, Bethel, CT: Society for Experimental mechanics, Inc, ISBN: 0912053992
  24. 2008 - Contributo in Atti di convegno  
N. GIANNOCCARO, A. MESSINA, T. SAKAMOTO (2008). *Updating of an experimental web tension*



- control system using a multivariable optimization method. In: -. *IEEE Proceedings of International Symposium on Power Electronics Electrical Drives, Automation and Motion. Ischia, 11-13 June 2008*, vol. Catalog Number: CFP0848A-CDR, p. 644-649, -:IEEE, ISBN: 9781424416646
25. 2008 - Contributo in Atti di convegno  
N. GIANNOCCARO, A.MESSINA, G.REINA (2008). *Free vibrations of thick plates; analysis of a displacement-based formulation*. In: -. *Proceedings of 8th. World Congress on Computational Mechanics (WCCM8)*. Venezia, June 30-July 5, p. 1-2, Barcelona: B.A.Schrefler and U.Perego International Center for Numerical Methods in Engineering (CIMNE), ISBN: 9788496736559
  26. 2008 - Contributo in Atti di convegno  
A. MESSINA, ALBANESE A (2008). *A consistent estimator of dynamic shapes at high signal/noise ratio within the area of damage detection*. In: Michael J. Brennan. *VII European Conference on Structural Dynamics*. Southampton (UK), 7-9 July 2008, p. 1-12, Southampton: Michael J. Brennan, ISBN: 9780854328826
  27. 2008 - Contributo in Atti di convegno  
DI SANTE R, A. MESSINA, CAVACCINI G, PIANESE V (2008). *Structural damage detection in composite aeronautical components through methods based on digital filtering and wavelet transforms*. In: Michael J. Brennan. *VII European Conference on Structural Dynamics*. Southampton (UK), 7-9 July 2008, p. 1-12, Southampton: Michael J. Brennan, ISBN: 9780854328826
  28. 2008 - Contributo in Atti di convegno  
V. Dattoma, N.I. Giannoccaro, A. Messina, R. Nobile (2008). *Damping evaluation during fatigue cycles for aluminium foam specimens*. In: ICEFA-III, *Third International Conference on Engineering Failure Analysis*. Sitges - Spain, 13-16 July, 2008, p. P052, Berkshire: Elsevier
  29. 2008 - Contributo in Atti di convegno  
A. Messina, N.I. Giannoccaro, G. Rollo (2008). *Detecting damage through the processing of dynamic shapes measured by an interferometric head laser sensor*. In: *Associazione Italiana di Velocimetria Laser e Diagnostica non invasiva A.I.VE.LA.. Università di Napoli "Federico II"*, 1-2 Dicembre 2008, p. 1-11, FANO: Aras Edizioni, ISBN: 9788896378113
  30. 2007 - Articolo in rivista  
B. TRENTADUE, A. MESSINA, N. GIANNOCCARO (2007). *Detecting damage through the processing of dynamic shapes measured by a PSD-triangular laser sensor*. *INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*, vol. 44, p. 5554-5575, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2007.01.018
  31. 2007 - Contributo in Atti di convegno  
ROLLO G, A. MESSINA, GENTILE A (2007). *Influence of geometrical parameters and operative conditions on pressure transients in industrial pneumatic systems ducts*. In: AIMETA-Associazione Italiana di Meccanica Teorica e Applicata. *Atti del XVII Congresso Nazionale AIMETA*. Brescia, Settembre 11-14 2007, vol. 1, p. 1-13, Brescia: Angelo Carini, Giovanni Mimmi, Renzo Piva, ISBN: 9788889720691
  32. 2007 - Contributo in Atti di convegno  
FOGLIA M, GENTILE A, A. MESSINA, REINA G (2007). *Dune: a Mobile Robot for Rough-Terrain Applications*. In: AIMETA - Associazione Italiana di Meccanica Teorica e Applicata. *Atti del XVII Congresso Nazionale AIMETA*. Brescia, 11-14 settembre 2007, p. 1-14, Brescia: Angelo Carini, Giovanni Mimmi, Renzo Piva, ISBN: 9788889720691
  33. 2006 - Articolo in rivista  
CARDUCCI G, GIANNOCCARO N.I, A. MESSINA, ROLLO G (2006). *Identification of viscous friction coefficients for a pneumatic system model using optimization methods*. *MATHEMATICS AND COMPUTERS IN SIMULATION*, vol. 71, p. 385-394, ISSN: 0378-4754
  34. 2005 - Contributo in Atti di convegno  
A. MESSINA (2005). *Free vibrations analysis of multilayered plates; mixed against displacement-based formulations*. In: -. *EURODYN 2005 - VI European Conference on Structural Dynamics*. Paris, 4-7 September, 2005, vol. 2, p. 1141-1147, Paris: C. Soize, G.I. Scudder, ISBN: 9059660331
  35. 2005 - Contributo in Atti di convegno  
G. CARDUCCI, N. GIANNOCCARO, A. MESSINA, G. ROLLO (2005). *Identification of viscous friction coefficients for a pneumatic system model using optimization methods*. In: -. *8th International Conference on Modeling and Simulation of Electric Machines, Converters and Systems*. Hammameth, 17-20 April 2005, p. 1-6, St-Lambert : Electrimax, ISBN: 2921145510
  36. 2004 - Contributo in Atti di convegno



- G. CARDUCCI, A. GENTILE, N. GIANNOCCARO, A. MESSINA (2004). *Robotic Arm For Agricultural Crop Of Quality Small Plants: Control And Actuation*. In: -. *International Conference on Intelligent Manipulation and Grasping*,. Genova, 1-2 Luglio 2004, p. 270-274, Genova:Rezia Molfino University of Genova - Italy Department of Mechanics and Machine Design, ISBN: 8890042613
37. 2004 - Contributo in Atti di convegno  
G. CARDUCCI, M. FOGLIA, A. GENTILE, N. GIANNOCCARO, A. MESSINA (2004). *Pneumatic robotic arm controlled by on-off valves for automatic harvesting based on vision localisation*. In: -. *IEEE International Conference on Industrial Technology*. Hammameth, 8-10 December 2004, vol. 2, p. 1017-1022, Piscataway:IEEE International Conference on Industrial Technology, ISBN: 0780386639
38. 2004 - Abstract in Atti di convegno  
N.I. GIANNOCCARO, A. MESSINA, R. NOBILE, F. W. PANELLA (2004). *Fatigue damage evaluation of notched specimens through resonance and anti-resonance data*. In: -. *Proceedings of ICEFA-I, 2004, International Conference on Engineering Failure analysis*, Lisbon - Portugal, 2004.. Lisbon - Portugal, 12-14 July - 2004, vol. -, p. 1.27, Oxford:Elsevier I.t.d.
39. 2004 - Contributo in Atti di convegno  
V. DATTOMA, GIANNOCCARO N.I, MESSINA A, PANELLA F.W (2004). *Welded joints based of CDW technology: experimental correlation between mechanical properties and modal data*. In: Carmine Pappalettere. *Advances in experimental mechanics - Proc. of ICEM12 - 12° Intern. Conf. on Experim. Mechanics*. Politecnico di Bari - Italy, 29 Aug. 2 Sept. - 2004, p. 391-398, Bari:Carmine Pappalettere - McGraw Hill, ISBN: 8838662738
40. 2003 - Articolo in rivista  
A. MESSINA, GENTILE A., GIANNOCCARO N.I. (2003). *Detecting damage in shafts and beams through modal analysis based on digital shape processing techniques*. *CURRENT TOPICS IN ACOUSTICAL RESEARCH*, vol. 3, p. 75-85, ISSN: 0972-4818
41. 2003 - Contributo in Atti di convegno  
GENTILE A., A. MESSINA (2003). *Detecting cracks in damaged beams through derivatives and wavelets*. In: M.J. Brennan, M.A. Ferman, B.A.T. Petersson, S.A. Rizzi, K, Wentz. *8th International Conference on Recent Advances in Structural Dynamics*. Southampton, 14-16 July 2003, p. 1-12, Southampton (UK):M.J. Brennan, M.A. Ferman, B.A.T. Petersson, S.A. Rizzi, K, Wentz, ISBN: 0854327894
42. 2003 - Contributo in Atti di convegno  
A. MESSINA (2003). *Modelling the dynamics of freely vibrating plates and shells through a mixed variational approach and global piecewise-smooth functions*. In: M.J. Brennan, M.A. Ferman, B.A.T. Petersson, S.A. Rizzi, K, Wentz. *8th International Conference on Recent Advances in Structural Dynamics*. Southampton, 14-16 July 2003 , p. 1-12, Southampton (UK):M.J. Brennan, M.A. Ferman, B.A.T. Petersson, S.A. Rizzi, K, Wentz, ISBN: 0854327894
43. 2003 - Contributo in Atti di convegno  
A. MESSINA (2003). *Danneggiamenti locali su componenti meccanici elementari mediante trasformatore indina continua e filtri digitali derivatori: identificazioni numeriche e sperimentali*. In: -. *16o Congresso Nazionale AIMETA. Ferrara (Italia), Settembre 9-12 2003*, p. 1-11, Milano, Ferrara:G.S. Landriani (Presidente del Comitato Scientifico); C. Alessandri (Presidente del Comitato Organizzatore)
44. 2003 - Contributo in Atti di convegno  
CARDUCCI G, GENTILE A, GIANNOCCARO N.I, A. MESSINA (2003). *Investigazione teorica e sperimentale su un attuatore pneumatico con controllo in posizione realizzato con valvole ON/OFF e modulazione PWM*. In: -. *16o Congresso Nazionale AIMETA. Ferrara (Italia), 9-12 Settembre 2003*, p. 1-11, Milano, Ferrara:G.Sacchi Landriani (Presidente del Comitato Scientifico); C. Alessandri (Presidente del Comitato Organizzatore)
45. 2002 - Contributo in Atti di convegno  
GENTILE A., A. MESSINA (2002). *Detection of cracks by only measured mode shapes in damaged conditions*. In: A.W. Lees, U. Prells, J.P. Norton. *3rd International Conference on Identification in Engineering Systems*. Swansea (UK), 15-17 April 2002, p. 208-222, Swansea (UK):A.W. Lees, U. Prells, J.P. Norton, ISBN: 0860761754
46. 2002 - Contributo in Atti di convegno  
A. MESSINA (2002). *A mixed variational approach and a novel C0-set of piecewise-smooth functions for an accurate two-dimensional plates theory*. In: A.W. Lees, U. Prells, J.P. Norton. *3rd International Conference on Identification in Engineering Systems*. Swansea (UK), 15-17 April 2002, p. 240-251, Swansea (UK):A.W. Lees, U. Prells, J.P. Norton, ISBN: 0860761754



47. 2001 - Articolo in rivista  
SOLDATOS K.P., A. MESSINA (2001). *The influence of boundary conditions and transverse shear on the vibration of angle-ply laminated plates, circular cylinders and cylindrical panels*. *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*, vol. 190, p. 2385-2409, ISSN: 0045-7825
48. 2001 - Articolo in rivista  
A. MESSINA (2001). *Two generalised higher order theories in free vibration studies of multilayered plates*. *JOURNAL OF SOUND AND VIBRATION*, vol. 242, p. 125-150, ISSN: 0022-460X
49. 2001 - Articolo in rivista  
GIANNOCCARO N.I, A. MESSINA, TRENTADUE B, MASCIOTTO G, MONTUORI G (2001). *Detection of changes in mechanical components for automobile chassis using modal data*. *ATA*, vol. 54, p. 44-48, ISSN: 0001-2661
50. 2001 - Contributo in Atti di convegno  
SOLDATOS K.P, A. MESSINA (2001). *Vibration studies of composite laminated structural components*. In: Ali H. Nayfeh. *The third international symposium on vibrations of continuous systems*. Jackson Lake Lodge Grand Teton National Park, Wyoming, 23-27 July 2001, p. 70-72, Virginia :Ali H. Nayfeh, Charles W. Bert, Stuart M. Dickinson, Peter Hagedorn
51. 2000 - Contributo in Atti di convegno  
GIANNOCCARO N.I, A. MESSINA, TRENTADUE B (2000). *Experiencing modal data on quality controls for structural components in the automobile industry*. In: -. *XV National Conference of the Italian Group of fracture - IGF. Bari (Italy), 3-5 May 2000*, p. 131-138, Bari:Giuseppe Demelio, Michele Ciavarella
52. 2000 - Altro  
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<b>Titoli</b>
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