

LIST OF PUBLICATIONS OF MARCO AMABILI

Books

- 1) M. Amabili, 2008, *Nonlinear Vibrations and Stability of Shells and Plates*, Cambridge University Press, New York, USA.

Papers in Refereed Journals

- 2) M. Amabili and G. Dalpiaz, 1995, *Transactions of the ASME, Journal of Vibration and Acoustics*, Vol. 117, No. 2, pp. 187-191. Breathing vibrations of a horizontal circular cylindrical tank shell, partially filled with liquid.
- 3) M. Amabili, 1995, *Journal of Sound and Vibration*, Vol. 180, No. 3, p. 526. Comments on "Rayleigh quotients for coupled free vibrations".
- 4) M. Amabili, A. Pasqualini and G. Dalpiaz, 1995, *Journal of Sound and Vibration*, Vol. 188, No. 5, pp. 685-699. Natural frequencies and modes of free-edge circular plates vibrating in vacuum or in contact with liquid.
- 5) M. Amabili, G. Dalpiaz and C. Santolini, 1995, *Modal Analysis: the International Journal of Analytical and Experimental Modal Analysis*, Vol. 10, No. 3, pp. 187-202. Free-edge circular plates vibrating in water.
- 6) M. Amabili, 1996, *Journal of Sound and Vibration*, Vol. 191, No. 5, pp. 757-780. Free vibration of partially-filled, horizontal cylindrical shells.
- 7) M. Amabili, G. Frosali and M. K. Kwak, 1996, *Journal of Sound and Vibration*, Vol. 191, No. 5, pp. 825-846. Free vibrations of annular plates coupled with fluids.
- 8) M. Amabili, 1996, *Journal of Sound and Vibration*, Vol. 193, No. 4, pp. 909-925. Effect of finite fluid depth on the hydroelastic vibrations of circular and annular plates.
- 9) M. Amabili, 1996, *Shock and Vibration*, Vol. 3, No. 3, pp. 159-167. Free vibration of a fluid-filled circular cylindrical shell with lumped masses attached, using the receptance method.
- 10) M. Amabili, 1996, *Journal of Sound and Vibration*, Vol. 195, No. 2, pp. 346-347. Comments on "Rayleigh-Ritz method in coupled fluid-structure interacting systems and its applications".
- 11) M. Amabili and M.K. Kwak, 1996, *Journal of Fluids and Structures*, Vol. 10, No. 7, pp. 743-761. Free vibration of circular plates coupled with liquids: revising the Lamb problem.
- 12) M. Amabili, 1997, *Journal of Sound and Vibration*, Vol. 199, No. 3, pp. 431-452. Shell-plate interaction in the free vibrations of circular cylindrical tanks partially filled with a liquid: the artificial spring method.
- 13) M. Amabili, 1997, *Shock and Vibration*, Vol. 4, No. 1, pp. 51-68. Bulging modes of circular bottom plates in rigid cylindrical containers filled with a liquid.
- 14) M. Amabili and G. Dalpiaz, 1997, *Meccanica*, Vol. 32, pp. 71-84. Free vibrations of cylindrical shells with non-axisymmetric mass distribution on elastic bed.
- 15) M. Amabili, 1997, *Transactions of the ASME, Journal of Vibration and Acoustics*, Vol. 119, No. 3, pp. 476-484. Flexural vibration of cylindrical shells partially coupled with external and internal fluids.
- 16) M. Amabili and A. Rivola, 1997, *Mechanical Systems and Signal Processing*, Vol. 11, No. 3, pp. 375-390. Dynamic analysis of spur gear pairs: steady state response and stability of the SDOF model with time-varying meshing stiffness.
- 17) M. Amabili, 1997, *Journal of Fluids and Structures*, Vol. 11, No. 5, pp. 507-523. Ritz method and substructuring in the study of vibration with strong fluid-structure interaction.
- 18) M. Amabili, 1997, *Journal of Sound and Vibration*, Vol. 205, No. 5, p. 721. Comments on "Sloshing in shallow cylindrical tanks".

- 19) M. Amabili, R. Pierandrei and G. Frosali, 1997, *Journal of Sound and Vibration*, Vol. 206, No. 1, pp. 23-38. Analysis of vibrating circular plates having non-uniform constraints using the modal properties of free-edge plates: application to bolted plates.
- 20) M. Amabili, 1997, *Journal of Sound and Vibration*, Vol. 207, No. 5, pp. 768-769. Comments on "Free vibration analysis of cylindrical tanks partially filled with liquid".
- 21) M. Amabili and G. Dalpiaz, 1998, *Journal of Sound and Vibration*, Vol. 210, No. 3, pp. 329-350. Vibrations of base plates in annular cylindrical tanks: theory and experiments.
- 22) M. Amabili, M. P. Païdoussis and A. A. Lakis, 1998, *Journal of Sound and Vibration*, Vol. 213, No. 2, pp. 259-299. Vibrations of partially filled cylindrical tanks with ring-stiffeners and flexible bottom.
- 23) M. Amabili and A. Fregolent, 1998, *Journal of Sound and Vibration*, Vol. 214, No. 2, pp. 339-357. A method to identify modal parameters and gear errors by vibrations of a spur gear pair.
- 24) M. Amabili, F. Pellicano and M. P. Païdoussis, 1998, *Journal of Fluids and Structures*, Vol. 12, No. 7, pp. 883-918. Nonlinear vibrations of simply supported, circular cylindrical shells, coupled to quiescent fluid.
- 25) M. Amabili, 1999, *Flow, Turbulence and Combustion*, Vol. 61, No. 1/4, pp. 21-30. Rayleigh quotient, Ritz method and substructuring to study vibrations of structures coupled to heavy fluids: potential of the artificial spring method. (Selected paper from Euromech Colloquium 369)
- 26) M. Amabili, F. Pellicano and M. P. Païdoussis, 1999, *Journal of Fluids and Structures*, Vol. 13, No. 1, pp. 159-160. Further comments on the nonlinear vibrations of cylindrical shells.
- 27) M. K. Kwak and M. Amabili, 1999, *Transactions of the ASME, Journal of Vibration and Acoustics*, Vol. 121, No. 1, pp. 26-32. Hydroelastic vibration of free-edge annular plates.
- 28) M. Amabili, 1999, *Journal of Sound and Vibration*, Vol. 221, No. 4, pp. 567-585. Vibrations of circular tubes and shells filled and partially immersed in dense fluids.
- 29) M. Amabili and R. Garziera, 1999, *Journal of Sound and Vibration*, Vol. 224, No. 3, pp. 519-539. A technique for the systematic choice of admissible functions in the Rayleigh-Ritz method.
- 30) M. Amabili, F. Pellicano and M. P. Païdoussis, 1999, *Journal of Sound and Vibration*, Vol. 225, No. 4, pp. 655-699. Non-linear dynamics and stability of circular cylindrical shells containing flowing fluid. Part I: stability.
- 31) M. Amabili, F. Pellicano and M. P. Païdoussis, 1999, *Journal of Fluids and Structures*, Vol. 13, No. 6, pp. 785-788. Addendum to "Nonlinear vibrations of simply supported, circular cylindrical shells, coupled to quiescent fluid".
- 32) M. Amabili and M. K. Kwak, 1999, *Journal of Sound and Vibration*, Vol. 226, No. 3, pp. 407-424. Vibration of circular plates on a free fluid surface: effect of surface waves.
- 33) M. Amabili and R. Garziera, 1999, *Journal of Sound and Vibration*, Vol. 228, No. 2, pp. 443-446. Comments and additions to "Transverse vibrations of circular, annular plates with several combinations of boundary conditions".
- 34) M. Amabili, F. Pellicano and M. P. Païdoussis, 1999, *Journal of Sound and Vibration*, Vol. 228, No. 5, pp. 1103-1124. Non-linear dynamics and stability of circular cylindrical shells containing flowing fluid, Part II: large-amplitude vibrations without flow.
- 35) M. Amabili, G. Frosali and M. Landucci, 2000, *Journal of Fluids and Structures*, Vol. 14, No. 1, pp. 147-149. On the real eigenvalues for vibrating structures coupled with quiescent liquids with free surface.
- 36) M. Amabili, 2000, *Journal of Sound and Vibration*, Vol. 231, No. 1, pp. 79-97. Eigenvalue problems for vibrating structures coupled with quiescent fluids with free surface.

- 37) R. Garziera and M. Amabili, 2000, *Transactions of the ASME, Journal of Vibration and Acoustics*, Vol. 122, No. 1, pp. 49-53. Damping effect of winding on the lateral vibrations of axially moving tapes.
- 38) M. Amabili, 2000, *Journal of Fluids and Structures*, Vol. 14, No. 2, pp. 235-255. Vibrations of fluid-filled hermetic cans.
- 39) M. Amabili and R. Garziera, 2000, *Journal of Fluids and Structures*, Vol. 14, No. 5, pp. 669-690. Vibrations of circular cylindrical shells with nonuniform constraints, elastic bed and added mass; Part I: empty and fluid-filled shells.
- 40) M. Amabili, F. Pellicano and M. P. Païdoussis, 2000, *Journal of Sound and Vibration*, Vol. 237, No. 4, pp. 617-640. Non-linear dynamics and stability of circular cylindrical shells containing flowing fluid. Part III: truncation effect without flow and experiments.
- 41) M. Amabili, F. Pellicano and M. P. Païdoussis, 2000, *Journal of Sound and Vibration*, Vol. 237, No. 4, pp. 641-666. Non-linear dynamics and stability of circular cylindrical shells containing flowing fluid. Part IV: large-amplitude vibrations with flow.
- 42) M. Amabili, F. Pellicano and A. F. Vakakis, 2000, *Transactions of the ASME, Journal of Vibration and Acoustics*, Vol. 122, No. 4, pp. 346-354. Nonlinear vibrations and multiple resonances of fluid-filled, circular shells, Part I: Equations of motion and numerical results.
- 43) F. Pellicano, M. Amabili and A. F. Vakakis, 2000, *Transactions of the ASME, Journal of Vibration and Acoustics*, Vol. 122, No. 4, pp. 355-364. Nonlinear vibrations and multiple resonances of fluid-filled, circular shells, Part II: Perturbation analysis.
- 44) M. Amabili and F. Pellicano, 2001, *AIAA Journal*, Vol. 39, No. 4, pp. 564-573. Nonlinear supersonic flutter of circular cylindrical shells.
- 45) M. Amabili, M. P. Païdoussis and F. Pellicano, 2001, *Journal of Sound and Vibration*, Vol. 243, No. 1, pp. 182-183. Comments on "The effects of large vibration amplitudes on the mode shapes and natural frequencies of thin elastic shells, Part I: ...".
- 46) M. Amabili, 2001, *Journal of Sound and Vibration*, Vol. 245, No. 2, pp. 261-283. Vibrations of circular plates resting on sloshing liquid: solution of the fully coupled problem.
- 47) M. Amabili, F. Pellicano and M. P. Païdoussis, 2001, *Transactions of the ASME, Journal of Applied Mechanics*, Vol. 68, No. 6, pp. 827-834. Nonlinear stability of circular cylindrical shells in annular and unbounded axial flow.
- 48) M. Amabili and R. Garziera, 2002, *Journal of Fluids and Structures*, Vol. 16, No. 1, pp. 31-51. Vibrations of circular cylindrical shells with nonuniform constraints, elastic bed and added mass; Part II: shells containing or immersed in axial flow.
- 49) M. Amabili, R. Garziera and A. Negri, 2002, *Journal of Fluids and Structures*, Vol. 16, No. 2, pp. 213-227. Experimental study on large-amplitude vibrations of water-filled circular cylindrical shells.
- 50) M. Amabili and R. Garziera, 2002, *Journal of Fluids and Structures*, Vol. 16, No. 6, pp. 795-809. Vibrations of circular cylindrical shells with nonuniform constraints, elastic bed and added mass; Part III: steady viscous effects on shells conveying fluid.
- 51) M. Amabili and F. Pellicano, 2002, *Transactions of the ASME, Journal of Applied Mechanics*, Vol. 69, No. 2, pp. 117-129. Multimode approach to nonlinear supersonic flutter of imperfect circular cylindrical shells.
- 52) N. Nuño, M. Amabili, R. Groppetti and A. Rossi, 2002, *Journal of Biomedical Materials Research*, Vol. 59, No. 1, pp. 191-200. Static coefficient of friction between Ti-6Al-4V and PMMA for cemented hip and knee implants.
- 53) N. Nuño and M. Amabili, 2002, *Clinical Biomechanics*, Vol. 17, No. 1, pp. 41-48. Modelling debonded stem-cement interface for hip implants: effect of residual stresses.
- 54) M. Amabili, F. Pellicano and M. P. Païdoussis, 2002, *Computers and Structures*, Vol. 80, No. 9-10, pp. 899-906. Non-linear dynamics and stability of circular cylindrical shells conveying flowing fluid.

- 55) F. Pellicano, M. Amabili and M. P. Païdoussis, 2002, *International Journal of Non-Linear Mechanics*, Vol. 37, No. 7, pp. 1181-1198. Effect of the geometry on the non-linear vibration of circular cylindrical shells.
- 56) M. Amabili, M. Pellegrini and M. Tommesani, 2003, *Journal of Sound and Vibration*, Vol. 260, No. 3, pp. 537-547. Experiments on large-amplitude vibrations of a circular cylindrical panel.
- 57) M. Amabili, 2003, *Journal of Sound and Vibration*, Vol. 262, No. 4, pp. 921-975. Theory and experiments for large-amplitude vibrations of empty and fluid-filled circular cylindrical shells with imperfections.
- 58) M. Amabili, 2003, *Journal of Sound and Vibration*, Vol. 264, No. 5, pp. 1091-1125. Comparison of shell theories for large-amplitude vibrations of circular cylindrical shells: Lagrangian approach.
- 59) M. Amabili and M. P. Païdoussis, 2003, *Applied Mechanics Reviews*, Vol. 56, No. 4, pp. 349-381. Review of studies on geometrically nonlinear vibrations and dynamics of circular cylindrical shells and panels, with and without fluid-structure interaction.
- 60) M. Amabili, 2003, *AIAA Journal*, Vol. 41, No. 6, pp. 1119-1130. Nonlinear vibrations of circular cylindrical shells with different boundary conditions.
- 61) F. Pellicano and M. Amabili, 2003, *International Journal of Solids and Structures*, Vol. 40, No. 13-14, pp. 3229-3251. Stability and vibration of empty and fluid-filled circular cylindrical shells under static and periodic axial loads.
- 62) M. Amabili, A. Sarkar and M. P. Païdoussis, 2003, *Journal of Fluids and Structures*, Vol. 18, pp. 227-250. Reduced-order models for nonlinear vibrations of cylindrical shells via the proper orthogonal decomposition method.
- 63) M. Amabili, 2004, *Journal of Sound and Vibration*, Vol. 271, No. 1-2, p. 469. Comments on "Free vibration of two identical circular plates coupled with bounded fluid".
- 64) M. Amabili, 2004, *Computers and Structures*, Vol. 82, No. 31-32, pp. 2587-2605. Nonlinear vibrations of rectangular plates with different boundary conditions: theory and experiments.
- 65) G. Catellani, F. Pellicano, D. Dall'Asta and M. Amabili, 2004, *Computers and Structures*, Vol. 82, No. 31-32, pp. 2635-2645. Parametric instability of a circular cylindrical shell with geometric imperfections.
- 66) M. Amabili, 2005, *Journal of Sound and Vibration*, Vol. 281, No. 3-5, pp. 509-535. Nonlinear vibrations of circular cylindrical panels.
- 67) M. Amabili, 2005, *International Journal of Non-Linear Mechanics*, Vol. 40, No. 5, pp. 683-710. Non-linear vibrations of doubly curved shallow shells.
- 68) M. Amabili, S. Carra, R. Garziera and M. Pellegrini, 2005, *Journal of Mechanical Behavior of Materials*, Vol. 16, No. 4-5, pp. 287-295, Freund Publishing, Tel Aviv. Experiments on nonlinear vibrations of graphite/epoxy composite curved panels.
- 69) M. Amabili, R. Garziera, S. Carra, 2005, *Journal of Fluids and Structures*, Vol. 21, No. 5-7, pp. 449-458. Rotary inertia of added masses on vibrations of empty and fluid-filled circular cylindrical shells.
- 70) K.N. Karagiozis, M. Amabili, M.P. Païdoussis, and A.K. Misra, 2005, *Journal of Fluids and Structures*, Vol. 21, No. 5-7, pp. 579-595. Nonlinear vibrations of fluid-filled clamped circular cylindrical shells.
- 71) M. Amabili, A. Sarkar and M. P. Païdoussis, 2006, *Journal of Sound and Vibration*, Vol. 290, No. 3-5, pp. 736-762. Chaotic vibrations of circular cylindrical shells: Galerkin versus reduced-order models via the proper orthogonal decomposition method.
- 72) M. Amabili, 2006, *Journal of Sound and Vibration*, Vol. 291, No. 3-5, pp. 539-565. Theory and experiments for large-amplitude vibrations of rectangular plates with geometric imperfections.

- 73) F. Pellicano and M. Amabili, 2006, *Journal of Sound and Vibration*, Vol. 293, No 1-2, pp. 227-252. Dynamic instability and chaos of empty and fluid-filled circular cylindrical shells under periodic axial load.
- 74) M. Amabili, M. Pellegrini, F. Righi and F. Vinci, 2006, *Journal of Sound and Vibration*, Vol. 295, No 1-1, pp. 1-12. Effect of concentrated masses with rotary inertia on vibrations of rectangular plates.
- 75) M. Amabili, 2006, *Journal of Sound and Vibration*, Vol. 298, No 1-2, pp. 43-72. Theory and experiments for large-amplitude vibrations of circular cylindrical panels with geometric imperfections.
- 76) M. Amabili, 2006, *Journal of Sound and Vibration*, Vol. 297, No 3-5, pp. 1104-1105. Comments on "Determination of the lower natural frequencies of circular plates with mixed boundary conditions".
- 77) C. Touzé and M. Amabili, 2006, *Journal of Sound and Vibration*, Vol. 298, pp. 958-981. Non-linear normal modes for damped geometrically non-linear systems: application to reduced-order modelling of harmonically forced structures.
- 78) K.-H. Jeong and M. Amabili, 2006, *Journal of Sound and Vibration*, Vol. 298, pp. 404-419. Bending vibration of perforated beams in contact with liquid.
- 79) M. Amabili, 2007, *Transactions of the ASME, Journal of Applied Mechanics*, Vol. 74, No 4, pp. 645-657. Effect of boundary conditions on nonlinear vibrations of circular cylindrical panels.
- 80) S. Carra, M. Amabili and R. Ohayon, 2007, *Journal of Intelligent Material Systems and Structures*, Vo. 18, No. 7, pp. 637-651. Broadband active vibration control of a rectangular flexible wall of an empty and water-filled tank.
- 81) M. Amabili and C. Touzé, 2007, *Journal of Fluids and Structures*, Vol. 23, pp. 885-903. Reduced-order models for nonlinear vibrations of fluid-filled circular cylindrical shells: Comparison of POD and asymptotic nonlinear normal modes methods.
- 82) K.N. Karagiozis, M.P. Païdoussis and M. Amabili, 2007, *Computers and Structures*, Vol. 85, No 11-14, pp. 645-659. Effect of geometry on the stability of cylindrical clamped shells subjected to internal fluid flow.
- 83) L. Kurpa, G. Pilgun and M. Amabili, 2007, *Journal of Sound and Vibration*, Vol. 306, pp. 580-600. Nonlinear vibrations of shallow shells with complex boundary: R-functions method and experiments.
- 84) K.N. Karagiozis, M.P. Païdoussis, M. Amabili and A.K. Misra, 2008, *Journal of Sound and Vibration*, Vol. 309, No 3-5, pp. 637-676. Nonlinear stability of cylindrical shells subjected to axial flow: theory and experiments.
- 85) S. Carra, M. Amabili, R. Ohayon and P.M. Hutin, 2008, *Aerospace Science and Technology*, Vol. 12, pp. 54-61. Active vibration control of a thin rectangular plate in air or in contact with water in presence of tonal primary disturbance.
- 86) C. Touzé, M. Amabili and O. Thomas, 2008, *Computer Methods in Applied Mechanics and Engineering*, Vol. 197, pp. 2030-2045. Reduced-order models for large-amplitude vibrations of shells including in-plane inertia.
- 87) S. Hosseini-Hashemi, K. Khorshidi and M. Amabili, 2008, *Journal of Sound and Vibration*, Vol. 315, No. 1-2, pp. 318-342. Exact solution for linear buckling of rectangular Mindlin plates.
- 88) M. Amabili and S. Farhadi, 2009, *Journal of Sound and Vibration*, Vol. 320, No. 3, pp. 649-667. Shear deformable versus classical theories for nonlinear vibrations of rectangular isotropic and laminated composite plates.
- 89) M. Amabili and S. Carra, 2009, *Journal of Sound and Vibration*, Vol. 321, No. 3-5, pp. 936-954. Thermal effects on geometrically nonlinear vibrations of rectangular plates with fixed edges.

- 90) M. Amabili, K. Karagiozis and M.P. Païdoussis, 2009, *International Journal of Non-Linear Mechanics*, Vol. 44, No. 3, pp. 276-289. Effect of geometric imperfections on nonlinear stability of circular cylindrical shells conveying fluid.
- 91) Ye. Kurylov and M. Amabili, 2010, *Journal of Sound and Vibration*, Vol. 329, pp. 1435-1449. Polynomial versus trigonometric expansions for nonlinear vibrations of circular cylindrical shells with different boundary conditions.
- 92) M. Amabili, S. Carra, L. Collini, R. Garziera, A. Panno, 2010, *Journal of Sound and Vibration*, Vol. 329, pp. 2057-2067. Estimation of tensile force in tie-rods using a frequency-based identification method.
- 93) M. Amabili, J.N. Reddy, 2010, *International Journal of Non-linear Mechanics*, Vol. 45, No. 4, pp. 409-418. A new non-linear higher-order shear deformation theory for large-amplitude vibrations of laminated doubly curved shells.
- 94) K. Karagiozis, M. Amabili, M. P. Païdoussis, 2010, *Journal of Sound and Vibration*, Vol. 329, No. 18, pp. 3813-3834. Nonlinear dynamics of harmonically excited circular cylindrical shells containing fluid flow.
- 95) M. Amabili, 2010, *Journal of Sound and Vibrations*, Vol. 329, pp. 4501-4514. Geometrically nonlinear vibrations of rectangular plates carrying a concentrated mass.
- 96) E. Ghavanloo, F. Daneshmand, M. Amabili, 2010, *Journal of Biological Physics*, Vol. 36, No. 4, pp. 427-435. Prediction of bending stiffness and deformed shape of non-axially compressed microtubule by a semi-analytical approach.
- 97) E. Ghavanloo, F. Daneshmand, M. Amabili, in press, *Physica E*. Vibration analysis of a single microtubule surrounded by cytoplasm.
- 98) F. Alijani, M. Amabili, F. Bakhtiari-Nejad, in press, *International Journal of Non-linear Mechanics*. On the accuracy of the multiple scales method for nonlinear vibrations of doubly curved shallow shells.
- 99) C. Touzé, O. Thomas, M. Amabili, in press, *International Journal of Non-linear Mechanics*. Transition to chaotic vibrations for harmonically forced perfect and imperfect plates.
- 100) F. Alijani, M. Amabili, K. Karagiozis, F. Bakhtiari-Nejad, in press, *Journal of Sound and Vibration*. Vibrations of functionally graded doubly curved shallow shells.
- 101) M. Amabili, K. Karagiozis, K. Khorshidi, accepted, *International Journal of Structural Stability and Dynamics*. Nonlinear vibrations of rectangular laminated composite plates with different boundary conditions.

Edited Books

- 102) M. P. Païdoussis, M. Amabili and P. B. Gonçalves (editors), 2000, Nonlinear Dynamics of Shells and Plates, *Proceedings of the ASME International Mechanical Engineering Congress and Exposition (AMD-Vol. 238)*.

Prefaces of International Journals (as Editor)

- 103) M. Amabili and E. de Langre, 2003, *Journal of Fluids and Structures*, Vol. 18, p. 147. Preface.
- 104) M. Amabili, 2004, *Computers and Structures*, Vol. 82, No. 31-32, p. 2585. Preface.
- 105) M. Amabili, E.H. Dowell and B.I. Epureanu, 2005, *Journal of Fluids and Structures*, Vol. 21, No. 5-7, pp. 441-447. Preface. Special issue in honour of Professor Michael P. Païdoussis.
- 106) P. Ribeiro, M. Amabili, 2008, *Journal of Sound and Vibration*, Vol. 315, No. 3, pp. 371-374. Special issue on geometrically non-linear vibrations of structures-Euromech 483.

Book Review

- 107) M. Amabili, 2004, *Journal of Sound and Vibration*, Vol. 270, p. 1091. Book review: The theory and practice of hydrodynamics and vibration by S.K. Chakrabarti.
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- 109) M. Amabili, 2006, *Journal of Fluids and Structures*, Vol. 22, p. 1141. Book review: Liquid sloshing dynamics: theory and applications, by R.A. Ibrahim.

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- 110) M. Amabili and A. Fregolent, 1999, *Noise & Vibration worldwide*, Vol. 30, No. 10, pp. 11-17. Identification of gear errors by vibrations of a spur gearpair (invited paper).

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- 111) M. Amabili, G. Dalpiaz, C. Santolini and E.P. Tomasini, 1993, *Proceedings of the Third International Symposium on Measurement and Control in Robotics*, September 21-24, Torino, Italy, Cm.III, pp. 25-30. Modal identification of a cartesian robot for the performance improving.
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- 113) M. Amabili and G. Dalpiaz, 1994, *Proceedings of the 19th International Seminar on Modal Analysis (ISMA 19)*, September 12-14, Leuven, Belgium, Vol. I, pp. 357-370. Vibration of coupled liquid-cylindrical shells.
- 114) M. Amabili, 1994, *Proceedings of the First International Conference on Vibration Measurements by Laser Techniques: Advances and Applications*, October 3-5, Ancona, Italy, pp. 421-429. Modal properties of annular plates vibrating in water.
- 115) M. Amabili, 1995, *Proceedings of the International Conference on Computational Methods and Experimental Measurements VII*, pp. 461-468, Computational Mechanics Publications, Southampton, UK. The receptance method applied to the free vibration of a circular cylindrical shell filled with fluid and with attached masses.
- 116) M. Amabili and G. Dalpiaz, 1995, *Proceedings of the International Forum on Aeroelasticity and Structural Dynamics*, June 26-28, Manchester, UK, Vol. 1, pp. 38.1-38.8. Vibration of a fluid-filled circular cylindrical tank: axisymmetric modes of the elastic bottom plate.
- 117) M. Amabili, R. Pierandrei and G. Frosali, 1996, *Proceedings of the Third European Conference on Structural Dynamics (eurodyn '96)*, June 5-8, Firenze, Italy, Vol. 2, pp. 663-669. Comparative study of the modal behaviour of bolted and clamped plates.
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- 119) M. Amabili, 1996, *Proceedings of the ISMA 21 – Noise and Vibration Engineering*, September 18-20, Leuven, Belgium, Vol. III, pp. 1731-1741. Rayleigh-Ritz method and substructuring in the study of the free vibrations of fluid-structure interacting systems.

- 120) M. Amabili and A. Fregolent, 1997, *Proceedings of the 6th International Conference on Recent Advances in Structural Dynamics*, July 14-17, Southampton, UK, Vol. II, pp. 1733-1746. Evaluation of the equivalent gear error by vibrations of a spur gear pair.
- 121) M. Amabili, 1997, *Abstracts of the Euromech Colloquium 369 Fluid-Structure Interaction in Acoustics*, 23-26 September, Scheveningen, Olanda, pp. 55-56. From the Rayleigh quotient to the Ritz method and substructuring in the study of vibrations of structures coupled to heavy fluids: potential of the artificial spring method.
- 122) M. K. Kwak and M. Amabili, 1997, *Proceedings of the 4th International Symposium on FSI, AE & FIV+N, ASME International Engineering Congress*, 16-21 November 1997, Dallas, USA, AD-Vol. 53-2, pp. 111-118. Hydroelastic vibration of free-edge annular plates.
- 123) M. Amabili, G. Colombo and E. Prati, 1998, *Proceedings of the 8th International Conference on Tribology*, 7-10 June, Ebeltoft, Denmark, Vol. 2, pp. 611-618. Dynamic analysis of radial lip seals.
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- 125) F. Pellicano, M. Amabili and M.P. Païdoussis, 1998, *Proceedings of the ISMA 23 – Noise and Vibration Engineering*, 16-18 September, Leuven, Belgium, Vol. 1, pp. 291-298. Internal resonances and travelling waves in a submerged structure.
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