



**Professor Erasmo Viola**

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**Biography:**

Professor Erasmo Viola, born in 1947, received his Civil Engineering degree from the University of Naples cum laude. In 1974 he became Assistant Professor at the University of Bologna. About 10 years later he became Full Professor of Mechanics of Solids and Structures. Since then, he has been teaching courses in Structural Mechanics, Theory of Structures and Dynamics of Structures at the Faculty of Engineering of the University of Bologna. Since 1989, Professor Viola has been Coordinator of the PhD Course in "Structural Mechanics", administratively based at the University of Bologna, with associated centres at the University of Padova, Parma and Venezia. Since 2003, he has also been Scientific Director of the CIMEST: "Centre of Studies and Research for the Identification of Materials and Structures" - M. Capurso. He is member of the editorial board of the international journals "Structural Engineering and Mechanics" and "Structural Durability & Health Monitoring". Professor Viola has published twelve books and over two hundred and fifty scientific papers.

**Selected Publications:**

E. Viola, E. Artioli, The G.D.Q. method for the harmonic dynamic analysis of rotational shell structural elements, *Struct. Engrg. Mech.* 17 (2004) 789–817.

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E. Artioli, E. Viola, Free vibration analysis of spherical caps using a G.D.Q. numerical solution, *J. Press Vessel-Tech. ASME* 128 (2006) 370–378.

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F. Daghia, S. de Miranda, F. Ubertini, E. Viola, 'A hybrid stress approach for laminated composite plates within the First-order Shear Deformation Theory', *International Journal of Solids and Structures*, 45, 1766–1787, (2008).

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“2-D differential quadrature solution for vibration analysis of functionally graded conical, cylindrical shell and annular plate structures”, *Journal of Sound and Vibration*, Vol. 328, No. 3, pp 259–290, December 2009, doi:10.1016/j.jsv.2009.07.031

F. Tornabene and E. Viola, “Free Vibration Analysis of Functionally Graded Panels and Shells of Revolution,” *Meccanica*, Vol. 44, No. 3, 2009, pp. 255-281. doi:10.1007/s11012-008-9167-x

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