



Università degli Studi della Basilicata
Scuola di Ingegneria

PROF. N.M. Auciello

SCIENTIFIC CURRICULUM VITAE:

Nicola M. Auciello has a degree in Civil Engineering at the University Naples. Since 1988 is Assistant Professor of Structural Engineering at the Faculty of Engineering of the University of Basilicata. His scientific activity is developed in the following areas: • Dynamics and stability of arch structures using the Lagrangian methods. • Approximate Formulation for the study of wallboard. • Approximate methods for solving dynamic problems of one-dimensional structures in the linear, non-linear and subject to loads that are not classics. • non-linear models for the study of the behavior of masonry panels. • dynamic analysis of Timoshenko beams through the model using the Lagrangian discretization and variational (Rayleigh, Rayleigh-Ritz). • Stability and dynamics of structures loaded with nonconservative forces; flutter. Author's of numerous scientific papers published in international journals. Plays, acting as expert reviewer for the international journals:

Journal of Sound and Vibration, International Journal of Solids and Structures, Computers and Structures, International Journal of Mechanical Science, International Journal Numerical Methods, Asce – American Society of Civil Engineers, Structural Engineering and Mechanics, Meccanica, International J. for Numerical and Analytical Methods in Geomechanics, Int. J. Numerical Methods in Engineering, Indian Journal of Pure and Applied Mathematics.

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