



Professor Ferdinando Auricchio

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Head of Department of Civil Engineering and Architecture
University of Pavia, Italy

Current Academic Position:

Since 2001 Full Professor of Mechanics of Solids, Department of Civil Engineering and Architecture (previously Department of Structural Mechanics), University of Pavia, Italy

Since 2001 Research Associate at IMATI-CNR (Institute for Applied Mathematics and Information Technologies of the National Research Council), Pavia, Italy

Past Academic Position:

1998-2001 Associate Professor of Mechanics of Solids, Department of Structural Mechanics, University of Pavia, Italy

1994-1998 Assistant Professor of Mechanics of Solids, Department of Civil Engineering, University of Roma "Tor Vergata", Italy

Education:

1995 Doctor of Philosophy (Ph.D.), Department of Civil Engineering, University of California at Berkeley, USA

1991 Master of Science (M.S.), Department of Civil Engineering, University of California at Berkeley, USA

1989 Bachelor degree in Civil Engineering with laude, University of Napoli, Italy

Scientific Production:

142 publications on referred International Journals

H-Index: 36 according to ISI Web of Knowledge; 35 according to Scopus

Citations: 3816 according to ISI Web of Knowledge; 3572 according to Scopus

Citations excluding self-citations: 2762 according to ISI Web of Knowledge; 3189 according to Scopus

Top 5 Most Cited Papers:

F. Auricchio, R.L.Taylor, J. Lubliner, "Shape-memory alloys: macro-modelling and numerical simulations of the superelastic behavior", *Computer Methods in Applied Mechanics and Engineering*, 146:281-312 (1997).

Citations: ISI 217, Scopus 220

F. Auricchio, R.L.Taylor, "Shape-memory alloys: modelling and numerical simulations of the finite- strain superelastic behavior", *Computer Methods in Applied Mechanics and Engineering*, 143:175- 194 (1997).

Citations: ISI 163, Scopus 172

F. Migliavacca, L. Petrini, M. Colombo, F. Auricchio, R.Pietrabissa, "Mechanical behavior of coronary stents investigated through the finite element method", *Journal of Biomechanics*, 35:803- 811 (2002). Citations: ISI 154, Scopus 171

J. Lubliner, F.Auricchio, "Generalized plasticity and shape-memory alloys", *International Journal of Solids and Structures*, 33:991-1003 (1996). Citations: ISI 102, Scopus 100

F. Auricchio, L.Petrini, "A three-dimensional model describing stress-temperature induced solid phase transformations: solution algorithm and boundary value problems", *International Journal for Numerical Methods in Engineering*, 61:807-836 (2004). Citations: ISI 93, Scopus 97

Selected Publications:

F. Auricchio, E. Sacco, A mixed-enhanced finite-element for the analysis of laminated composite plates, *Int. J. Numer. Meth. Engrg.* 44 (1999) 1481–1504.

Auricchio F, Sacco E. Partial-mixed formulation and refined models for the analysis of composite laminates within an FSDT. *Compos Struct* 1999; 46(2): 103-113

G. Alfano, F. Auricchio, L. Rosati, E. Sacco, MITC finite elements for laminated composite plates, *Int. J. Numer. Meth. Engrg.* 50 (2001) 707–738.

F. Auricchio, E. Sacco, Refined first-order shear deformation theory models for composite laminates, *J. Appl. Mech.* 70 (2003) 381–390.