



## Professor Lorenzo Dozio

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<https://scholar.google.com/citations?user=vHW3KBUAAA&hl=en>

[https://www.researchgate.net/profile/Lorenzo\\_Dozio](https://www.researchgate.net/profile/Lorenzo_Dozio)

Department of Aerospace Science and Technology  
Politecnico di Milano, Italy

### Education:

2002 PhD in Aerospace Engineering, Politecnico di Milano

### Research Interests:

Vibration modeling and control of aerospace structures, advanced modeling tools for dynamic response of multilayered composite and smart plates and shells, advanced modeling of multilayered viscoelastic plates and shells, thermoelastic vibrations, active and shunted piezoelectric control systems, modeling and control of vibroacoustic systems, active control of noise.

### Selected Publications:

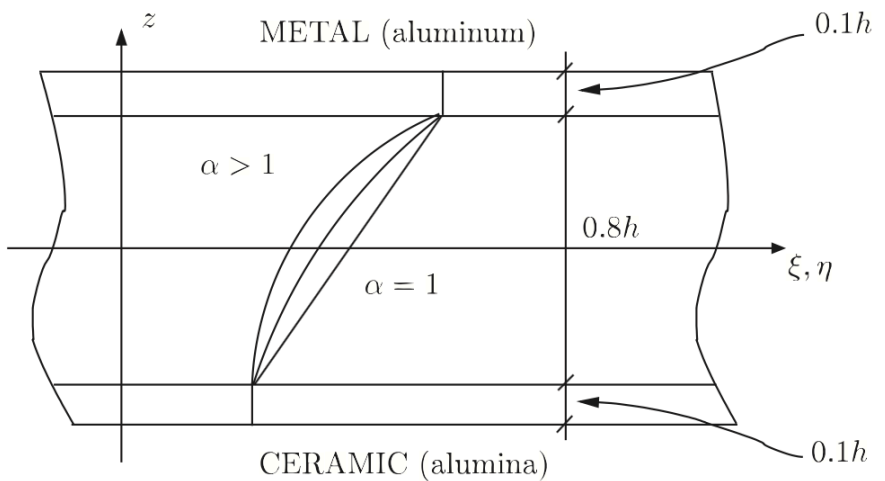
Dozio L, Ricciardi M. Free vibration analysis of ribbed plates by a combined analytical-numerical method. *J Sound Vib*, 2009, 319: 681–697

L. Dozio, Natural frequencies of sandwich plates with FGM core via variable-kinematic 2-D Ritz models, *Compos Struct*, 96 (2013), pp. 561–568

A. H. Mohazzab, L. Dozio, Prediction of natural frequencies of laminated curved panels using refined 2-D theories in the spectral collocation method, *Curved and Layered Structures*, 2 (2015), 1-14

Lorenzo Dozio, “Refined 2-D theories for free vibration analysis of annular plates: Unified Ritz formulation and numerical assessment”, *Computers & Structures*, Vol. 147, pp 250-258, January 2015

Riccardo Vescovini and Lorenzo Dozio “A variable-kinematic model for variable stiffness plates: vibration and buckling analysis”, *Composite Structures*, Vol. 142, pp 15-28, May 2016



**Fig. 2.** A sandwich plate with homogeneous skins and  $\text{Al}_2\text{O}_3/\text{Al}$  graded core.

From: L. Dozio, Natural frequencies of sandwich plates with FGM core via variable-kinematic 2-D Ritz models, *Compos Struct*, 96 (2013), pp. 561–568

Riccardo Vescovini and Lorenzo Dozio, "A variable-kinematic model for variable stiffness plates: vibration and buckling analysis", *Composite Structures*, Vol. 142, pp 15-28, May 2016

R. Vescovini, M. D'Ottavio, L. Dozio and O. Polit, "Thermal buckling response of laminated and sandwich plates using refined 2-D models", *Composite Structures*, Vol. 176, pp 313-328, September 2017