



**Professor Michele D'Ottavio**

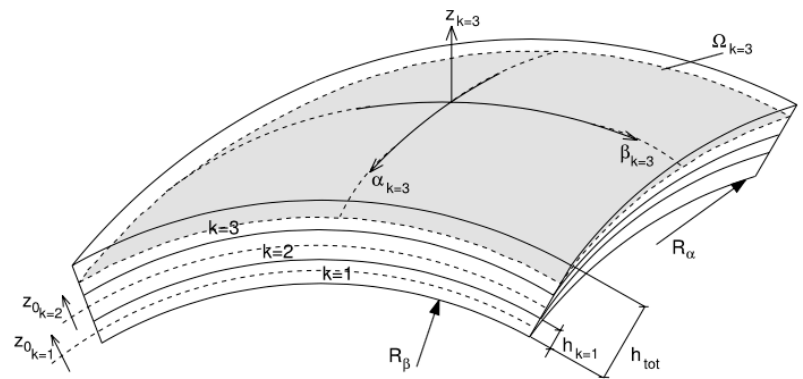


Fig. 1. Notations for the description of the shell geometry.

From: M. D'Ottavio, D. Ballhause, B. Kroeplin and Erasmo Carrera, "Closed-form solutions for the free-vibration problem of multilayered piezoelectric shells", *Computers & Structures*, Vol. 84, No. 22, pp 1506-1518, September 2006

See:

- [https://www.researchgate.net/profile/Michele\\_DOttavio](https://www.researchgate.net/profile/Michele_DOttavio)
- <https://www.u-paris10.fr/m-michele-d-ottavio--698141.kjsp>
- <https://scholar.google.fr/citations?user=s78iWIMAAAJ&hl=en>

LEME, UPL; Laboratoire Energétique Mécanique Electromagnétisme (EA 4416)  
University of Paris Nanterre, 50, Rue de Sèvres, 92410 Ville d'Avray, France

**Selected Publications:**

D. Ballhause, M. D'Ottavio, B Kroeplin and Erasmo Carrera, A unified formulation to assess multilayered theories for piezoelectric plates, *Computers & Structures*, Vol. 83, No. 15, pp 1217-1235, June 2005

M. D'Ottavio, D. Ballhause, B. Kroeplin and Erasmo Carrera, "Closed-form solutions for the free-vibration problem of multilayered piezoelectric shells", *Computers & Structures*, Vol. 84, No. 22, pp 1506-1518, September 2006

Michele D'Ottavio and Bernd Kroeplin, "An extension of Reissner mixed variational theorem to piezoelectric laminates", *Mechanics of Advanced Materials and Structures*, Vol. 13, No. 2, pp 139-150, March 2006

D'Ottavio, M. and Carrera, E.: Variable-Kinematics Approach for Linearized Buckling Analysis of Laminated Plates and Shells. *AIAA Journal*, vol. 48, no. 9, 2010, pp. 1987-1996.

Philippe Vidal, Michele D'Ottavio, Mehdi Ben Thaier and Olivier Polit, "An efficient finite shell element for the static response of piezoelectric laminates", *Journal of Intelligent Material Systems and Structures*, Vol. 22, No. 7, pp 671-690, May 2011

M. D'Ottavio, P. Vidal, E. Valot, O. Polit, Assessment of plate theories for free-edge effects, *Compos Part B: Eng*, 48 (2013), pp. 111-121

Michele D'Ottavio and Olivier Polit, "Linearized global and local buckling analysis of sandwich struts with a refined quasi-3-D model", *Acta Mechanica*, Vol. 226, No. 1, pp 81-101, January 2015

Michele D'Ottavio, Lorenzo Dozio, Riccardo Vescovini and O. Polit, "Bending analysis of composite laminated sandwich structures using sublaminated variable-kinematic Ritz models", *Composite Structures*, Vol. 155, July 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

T.H.C. Le, Michele D'Ottavio, Philippe Vidal and O. Polit, "A new robust quadrilateral four-node variable kinematics plate element for composite structures", *Finite Elements in Analysis and Design*, Vol. 133, pp 10-24, October 2017

M. D'Ottavio, L. Dozio, R. Vescovini and O. Polit, "Extension to piezoelectric plates of the Ritz-sublaminated generalized unified formulation approach, publisher and date not given in the pdf file; most recent citation is dated 2016.