



**Professor Noureddine El Meiche**

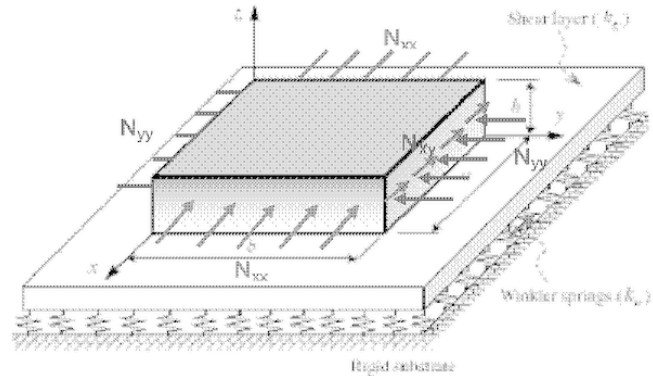


Fig. 1 Geometry and loading conditions of a laminated plate on elastic foundation  
 $(N_{xx}=\gamma_1 \bar{N}_{xx}, N_{yy}=\gamma_2 \bar{N}_{yy}, N_{xy}=0)$

From: Benselama, K., El Meiche, N., Bedia, E.A.A. and Tounsi, A. (2015), "Buckling analysis in hybrid cross-ply composite laminates on elastic foundation using the two variable refined plate theory", *Struct. Eng. Mech., Int. J.*, 55(1), 47-64

See:

[https://www.researchgate.net/profile/Elmeiche\\_Noureddine](https://www.researchgate.net/profile/Elmeiche_Noureddine)  
<https://scholar.google.com/citations?user=pXZNP4AAAAJ&hl=fr>

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### Selected Publications:

Noureddine El Meiche, Abdelouahed Tounsi, Noureddine Ziane, Ismail Mechab and El Abbas Adda.Bedia, "A new hyperbolic shear deformation theory for buckling and vibration of functionally graded sandwich plate", *International Journal of Mechanical Sciences*, Vol. 53, No. 4, April 2011, pp. 237-247

Noël Challamel, Ismail Mechab, Noureddine El Meiche, Baghdad Krouer, "Buckling of composite nonlocal or gradient connected beams", *International Journal of Structural Stability and Dynamics*, Vol. 11, No. 6, pp 1015-1033

Fekrar A, El Meiche N, Bessaim A, Tounsi A, Adda Bedia EA. Buckling analysis of functionally graded hybrid composite plates using a new four variable refined plate theory. *Steel Compos Struct* 2012;31:91–107.

Noel Challamel, Ismail Mechab, Noureddine Elmeiche, Mohammed Sid Ahmed Houari, Mohammed Ameer and Hassen Ait Atmane, "Buckling of generic higher-order shear beam/columns with elastic connections: Local and nonlocal formulation", *ASCE Journal of Engineering Mechanics*, Vol. 139, No. 8, August 2013

El Meiche Noureddine, Benselama Khadidja, Abdelouahed Tounsi and Adda Bedia el Abbas, "Buckling analysis of plate structures in composite materials with a new theory of trigonometric deformation", *Civil and Environmental Research*, Vol. 5, pp 86-902013

K. Nedri, N. El Meiche, A. Tounsi Free vibration analysis of laminated composite plates resting on elastic foundations by using a refined hyperbolic shear deformation theory, *Mech. Compos. Mater.*, 49 (2014), pp. 629-640

Khadidja Benselama, Noureddine El Meiche and El Abbas Adda Bedia, "Buckling analysis of laminated

composites plates on an elastic foundation using a new higher order theory”, MATEC Web of Conference, Vol. 11, 01034, 2014

Benselama, K., El Meiche, N., Bedia, E.A.A. and Tounsi, A. (2015), "Buckling analysis in hybrid cross-ply composite laminates on elastic foundation using the two variable refined plate theory", *Struct. Eng. Mech., Int. J.*, 55(1), 47-64

I. Mechab, N. El Meiche and F. Bernard, Free vibration analysis of higher-order shear elasticity nanocomposite beams with consideration of nonlocal elasticity and Poisson effect, *J. Nanomech. Micromech.* 6(3) (2016) 04016006.

Mechab I, El Meiche N., Bernard F., “Analytical study for the development of a new warping function for high order beam theory”, *Composites Part B*, 2017

A Chedad, N Elmeiche, “Porosity Effect of a FG Porous Plate on the Behavior of Bonded Beam and Strengthened Structure Instability”, *International Symposium on Materials and Sustainable Development*, pp 241-253, November 2017

A. Chedad and N. ElMeiche, “Interfacial stresses analysis of FGM porous structures bonded with FRP plates”, *MATEC Web of Conferences, (CMSS-2017)*, Vol. 149, 01094, 2018

Mounia Khetib, Hichem Abbad, Nourredine Elmeiche and Ismail Mechab, “Effect of the Viscoelastic Foundations on the Free Vibration of Functionally Graded Plates”, *International Journal of Structural Stability and Dynamics*, Vol. 19, No. 11, 1950136, November 2019