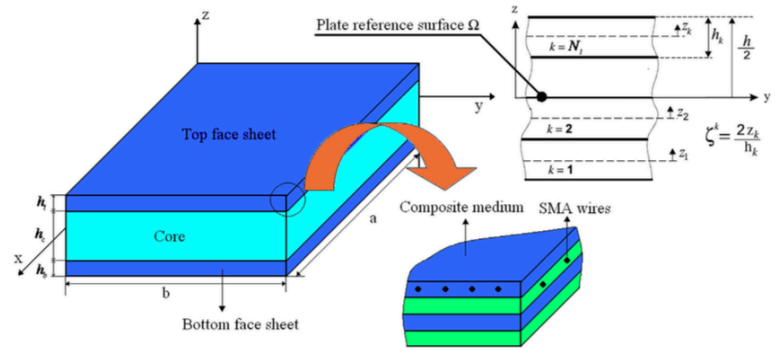




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**Fig. 1.** Geometry and coordinate systems of sandwich plate with SMA hybrid composite faces.

From: M. Botshekanan Dehkordi, S.M.R. Khalili and E. Carrera, “Non-linear transient dynamic analysis of sandwich plate with composite face-sheets embedded with shape memory alloy wires and flexible core-based on the mixed LW (layer-wise)/ESL (equivalent single layer) models”, *Composites Part B: Engineering*, Vol. 87, pp 59-74, February 2016

See:

<https://scholar.google.com/citations?user=jBQaP8IAAAAJ&hl=en>  
[https://www.researchgate.net/profile/S\\_Mohammad\\_Reza\\_Khalili2](https://www.researchgate.net/profile/S_Mohammad_Reza_Khalili2)

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### **Selected Publications:**

- Khalili, M. R., Malekzadeh, K. and Mittal, R. K. 2005. A New Approach to Static and Dynamic Analysis of Composite Plates with Different Boundary Conditions. *Comp. Struc.*, 69: 149–155
- Jafari A.A., Khalili S.M.R., Azarafza R., 2005, Transient dynamic response of composite circular cylindrical shells under radial impulse load and axial compressive loads, *Thin-Walled Structures* 43: 1763-1786
- Rahmani O., Khalili S.M.R., Malekzadeh K., Hadavinia H.: Free vibration analysis of sandwich structures with a flexible functionally graded syntactic core. *Compos. Struct.* 91, 229–235 (2009)
- Khalili SMR, Azarafza R, Davar A. Transient dynamic response of initially stressed composite circular cylindrical shells under radial impulse load. *Compos Struct* 2009; 89: 275-284
- Amirani M.C., Khalili S.M.R., Nemati N.: Free vibration analysis of sandwich beam with FG core using the element free Galerkin method. *Compos. Struct.* 90, 373–379 (2009)
- R. Azarafza, S.M.R. Khalili, A.A. Jafari and A. Davar, “Analysis and optimization of laminated composite circular cylindrical shell subjected to compressive axial and transverse transient dynamic loads”, *Thin-Walled Structures*, Vol. 47, Nos. 8-9, August-September 2009, pp. 970-983
- Khorshidvand, A.R., Khalili, S.M.R.: A new analytical solution for deformation and stresses in functionally graded rotating cylinder subjected to thermal and mechanical loads. In: *International Conference on Continuum Mechanics (5TH IASME-WSEAS)*, pp. 201–204 (2010)

Khalili S.M.R., Nemati N., Malekzadeh K., Damanpack A.R.: Free vibration analysis of sandwich beams using improved dynamic stiffness method. *Compos. Struct.* 92, 387–394 (2010)

Khalili SMR, Jafari AA, Eftekhari SA. A mixed Ritz–DQ method for forced vibration of functionally graded beams carrying moving loads. *Compos Struct* 2010;92:2497–511

Khalili, S.M.R., Malekzadeh, K., Davar, A. and Mahajan, P. (2010), “Dynamic response of pre-stressed fibre metal laminate (FML) circular cylindrical shells subjected to lateral pressure pulse loads”, *Compos. Struct.*, 92, 1308-1317

M. Tavakolian, A.A. Jafari and S.M.R. Khalili, “Nonlinear Vibration of Functionally Graded Cylindrical Shells under Radial Harmonic Load”, ISME (publisher and date not given in the pdf file. Most recent reference is dated 2010)

K.H. Safari, J. Zamani, S.M.R. Khalili, S. Jalili, Experimental, theoretical, and numerical studies on the response of square plates subjected to blast loading, *J. Strain Anal.*, 46 (8) (2011), pp. 805–816

Khalili S. M. R., Davar A., Fard K. Malekzadeh Free vibration analysis of homogeneous isotropic circular cylindrical shells based on a new three-dimensional refined higher-order theory. *International Journal of Mechanical Sciences*, Vol. 56, 2012, p. 1-25.

M.M. Kheirikhah, S.M.R. Khalili and K. Malekzadeh Fard, “Biaxial buckling analysis of soft-core composite sandwich plates using improved high-order theory”, *European Journal of Mechanics – A/Solids*, Vol. 31, No. 1, pp 54-66, January-February 2012

A.R. Damanpack and S.M.R. Khalili, “High-order free vibration analysis of sandwich beams with a flexible core using dynamic stiffness method”, *Composite Structures*, Vol. 94, No. 5, pp 1503-1514, April 2012

O. Rahmani, S.M.R. Khalili and O.T. Thomsen, “A high-order theory for the analysis of circular cylindrical composite sandwich shells with transversely compliant core subjected to external loads”, *Composite Structures*, Vol. 94, No. 7, pp 2129-2142, June 2012

S.M.R. Khalili and Y. Mohammadi, “Free vibration analysis of sandwich plates with functionally graded face sheets and temperature-dependent material properties: A new approach”, *European Journal of Mechanics – A/Solids*, Vol. 35, pp 61-74, September-October 2012

Ali Davar, S. Mohammad reza Khalili and Homayoun Hadavinia, “Free vibrations of functionally graded circular cylindrical shells under internal pressure”, *International Journal of Advanced Design and Manufacturing Technology*, 12/2013; 6(4); 49-58

S.M.R. Khalili, M. Botshekanan Dehkordi, E. Carrera and M. Chariyat, “Non-linear dynamic analysis of a sandwich beam with pseudoelastic SMA hybrid composite faces based on higher order finite element theory”, *Composite Structures*, Vol. 96, pp 243-255, February 2013

M. Botshekanan Dehkordi, M. Cinefra, S.M.R. Khalili and E. Carrera, “Mixed LW/ESL models for the analysis of sandwich plates with composite faces”, *Composite Structures*, Vol. 98, pp 330-339, April 2013

Khalili, S.M.R., Abbaspour, P., Malekzadeh Fard, K.: Buckling of non-ideal simply supported laminated plate on Pasternak foundation. *Appl. Math. Comput.* 219(12), 6420–6430 (2013)

S.M.R. Khalili, M.M. Kheirikhah and K. Malekzadeh Fard, “Biaxial wrinkling analysis of composite-faced sandwich plates with soft core using improved high-order theory”, *European Journal of Mechanics – A/Solids*, Vol. 43, pp 68-77, January-February 2014

A.A. Jafari, S.M.R. Khalili and M. Tavakolian, “Nonlinear vibration of functionally graded cylindrical shells embedded with a piezoelectric layer”, *Thin-Walled Structures*, Vol. 79, pp 8-15, June 2014

Fard, K.M., Khalili, S.M.R., Forooghi, S.H., Hosseini, M.: Low velocity transverse impact response of a composite sandwich plate subjected to a rigid blunted cylindrical impactor. *Compos. B Eng.* 63, 111–122 (2014)

M. Shariyat, S.M.R. Khalili and I. Rajabi, “A global-local theory with stress recovery and a new post-processing technique for stress analysis of asymmetric orthotropic sandwich plates with single/dual cores”,

Computer Methods in Applied Mechanics and Engineering, Vol. 286, pp 192-215, April 2015

M. Botshekanan Dehkordi, S.M.R. Khalili, Frequency analysis of sandwich plate with active SMA hybrid composite facesheets and temperature dependent flexible core, Compos Struct, 123 (2015), pp. 408–419

J. Seidi, S.M.R. Khalili and K. Malekzadeh, “Temperature-dependent buckling analysis of sandwich truncated conical shells with FG facesheets”, Composite Structures, Vol. 131, pp 682-691, November 2015

M. Botshekanan Dehkordi, S.M.R. Khalili and E. Carrera, “Non-linear transient dynamic analysis of sandwich plate with composite face-sheets embedded with shape memory alloy wires and flexible core-based on the mixed LW (layer-wise)/ESL (equivalent single layer) models”, Composites Part B: Engineering, Vol. 87, pp 59-74, February 2016

M.R. Zamani and S.M.R. Khalili, “The effect of external skin on buckling strength of composite lattice cylinders based on numerical and experimental analysis”, Mechanics of Advanced Composite Structures, Vol. 3, No. 2, pp 83-87, Summer and Autumn 2016