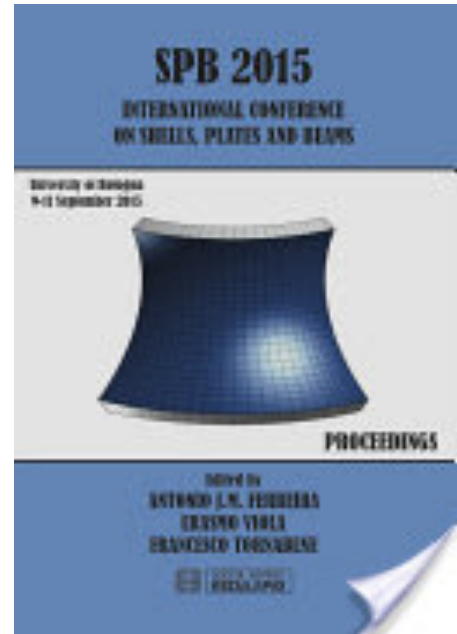




**Professor Antonio Joaquim Mendes Ferreira**



A.J.M. Ferreira, E. Viola, F. Tornabene (Editors), SPB 2015 Int. Conference of Shells, Plates, and Beams, U. Bologna, Sept. 2015

See:

<http://65.54.113.26/Author/52863484/antonio-joaquim-mendes-ferreira>

[http://www.researchgate.net/profile/Antonio\\_Ferreira5/publications](http://www.researchgate.net/profile/Antonio_Ferreira5/publications)

Department of Mechanical Engineering, Mathematics Section  
University of Porto, Portugal

### **Selected Publications:**

J. M. Ferreira and A. Chattopadhyay (Department of Mechanical and Aerospace Engineering Arizona State University, Tempe, AZ 85287, U.S.A.), “An optimization procedure for maximizing the energy absorption capability of composite shells”, *Mathematical and Computer Modelling*, Vol. 19, No. 2, January 1994, pp. 61-72, doi:10.1016/0895-7177(94)90050-7

Ferreira AJM, Barbosa JT. Buckling behavior of composite shells. *Compos Struct* 2000;50:93–8.

A. J. M. Ferreira, J. T. Barbosa, A. T. Marques and J. C. De Sá (Departamento de Engenharia Mecânica e Gestão Industrial, Faculdade de Engenharia da Universidade do Porto, Rua dos Bragas, 4099 Porto Codex, Portugal), “Non-linear analysis of sandwich shells: the effect of core plasticity”, *Computers & Structures*, Vol.76, Nos. 1-3, June 2000, pp. 337-346, doi:10.1016/S0045-7949(99)00156-X

A. J. M. Ferreira and J. T. Barbosa (Faculdade de Engenharia da Universidade do Porto Rua dos Bragas, 4050-123, Porto, Portugal), “Buckling behaviour of composite shells”, *Composite Structures*, Vol. 50, No. 1, September 2000, pp. 93-98, doi:10.1016/S0263-8223(00)00090-8

A.J.M. Ferreira, C.M.C. Roque, and P.A.L.S. Martins. Radial basis functions and higher order shear deformation theories in the analysis of laminated composite beams and plates. *Compos. Struct*, 66:287–293, 2004.

Ferreira AJM, Jorge RMN, Roque CMC. Free vibration analysis of symmetric laminated composite plates by FSDT and radial basis functions. *Computer Methods in Applied Mechanics and Engineering* 2005; 194:4265–4278.

Moreira RAS, Rodrigues JD, Ferreira AJM. A generalized layerwise finite element for multi-layer damping treatments. *Comput Mech* 2006;37:426.

A.J.M. Ferreira, C.M.C. Roque and R.M.N. Jorge (Departamento de Engenharia Mecânica e Gestão Industrial, Faculdade de Engenharia da Universidade do Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal), “Modelling cross-ply laminated elastic shells by a higher-order theory and multiquadrics”, *Computers & Structures*, Vol. 84, Nos. 19-20, July 2006, pp. 1288-1299, Special Issue: Computational Models for Multilayered Structures and Composite Structures, doi:10.1016/j.compstruc.2006.01.021

Ferreira AJM, Roque CMC, Jorge RMN. Natural frequencies of FSDT cross-ply composite shell by multiquadrics. *Compos Struct* 2007;77:296–305.

Ferreira AJM, Fasshauer GE. Analysis of natural frequencies of composite plates by an RBF-pseudospectral method. *Composite Structures* 2007; 79(2):202–210.

C.M.C. Roque, A.J.M. Ferreira, R.M.N. Jorge, A radial basis function for the free vibration analysis of functionally graded plates using refined theory, *J. Sound Vib.* 300 (2007) 1048–1070.

K.M. Liew (1), Xin Zhao (1) and Antonio J.M. Ferreira (2)

(1) Department of Building and Construction, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong

(2) Faculdade de Engenharia da Universidade do Porto, Departamento de Engenharia Mecânica, Rua Dr Roberto Frias, 4200-465 Porto, Portugal

“A review of meshless methods for laminated and functionally graded plates and shells”, *Composite Structures*, Vol. 93, No. 8, pp 2031 – 2041, July 2011, doi:10.1016/j.compstruct.2011.02.018

Ferreira, A.J.M., Roque, C.M.C., Neves, A.M.A., Jorge, R.M.N., Soares, C.M.M. and Reddy, J.N. (2011), “Buckling analysis of isotropic and laminated plates by radial basis functions according to a higher-order shear deformation theory”, *Thin-Wall. Struct.*, 49(7), 804-811.

A.J.M. Ferreira, L.M. Castro, C.M.C. Roque, J.N. Reddy, and S. Bertoluzza. Buckling analysis of laminated plates by wavelets. *Comput. Struct*, 89:626–630, 2011.

A.J.M. Ferreira, C.M.C. Roque, A.M.A. Neves, R.M.N. Jorge, C.M.M. Soares, and K.M. Liew. Buckling and vibration analysis of isotropic and laminated plates by radial basis functions. *Composite Part B*, 42:592–606, 2011.