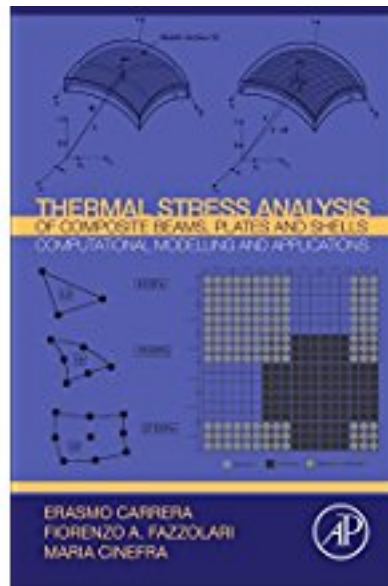




**Professor Fiorenzo A. Fazzolari**



Erasmus Carrera, Fiorenzo A. Fazzolari and Maria Cenefra, Thermal Stress Analysis of Composite Beams, Plates and Shells: Computational Modeling and Applications, Elsevier, 2016, 444 pages

See:

<https://scholar.google.it/citations?user=4F7juTgAAAAJ&hl=en>  
[https://www.researchgate.net/profile/Fiorenzo\\_Fazzolari](https://www.researchgate.net/profile/Fiorenzo_Fazzolari)  
<https://www.liverpool.ac.uk/engineering/staff/fiorenzo-fazzolari/>

Mechanical, Materials & Aerospace Engineering  
University of Liverpool, UK

### **Biography:**

Fiorenzo A. Fazzolari is a Lecturer in Aerospace Engineering in the School of Engineering at the University of Liverpool. He has been a Research Associate in the Department of Engineering at the University of Cambridge (Jan 2016 - July 2017) and a Research Fellow in the Aeronautics, Astronautics and Computational Engineering (AACE) academic unit at the University of Southampton (Jan 2014 - Dec 2015). He successfully completed his MPhil and PhD, funded by the American Air Force Research Laboratory (AFRL), at City University London in 2011 and 2013, respectively. He has authored more than 60 publications, including international journal and conference papers, reports, books and book chapters. He serves as a referee for more than 40 international journals, such as Composite Structures, European Journal of Mechanics - A/Solids, Composites Part B: Engineering, Journal of Sound and Vibration and Journal of Thermal Stresses, amongst others. He is Associate Editor of Shock and Vibration (ISSN: 1070-9622) and Mathematical Problems in Engineering (ISSN: 1024-123X).

### **Selected Publications:**

#### **Book:**

Erasmus Carrera, Fiorenzo A. Fazzolari and Maria Cenefra, Thermal Stress Analysis of Composite Beams, Plates and Shells: Computational Modeling and Applications, Elsevier, 2016, 444 pages

#### **Journal Articles, etc.:**

F. A. Fazzolari and J. R. Banerjee, "Advances in the dynamic stiffness method for exact buckling analysis of aircraft panels", DiPaRT Loads & Aeroelastic Workshop, CFMS Advanced Simulation Research Center, Bristol, UK, 13 December, 2012 (a presentation, not a paper)

Fiorenzo A. Fazzolari and Erasmo Carrera, "Accurate free vibration analysis of thermo-mechanically pre/post-buckled anisotropic multilayered plates based on a refined hierarchical trigonometric Ritz formulation", *Composite Structures*, Vol. 95, pp 381-402, January 2013

F.A. Fazzolari, M. Boscolo and J.R. Banerjee, "An exact dynamic stiffness element using a higher order shear deformation theory for free vibration analysis of composite plate assemblies", *Composite Structures*, Vol. 96, pp 262-278, February 2013

Fiorenzo A. Fazzolari and Erasmo Carrera, "Free vibration analysis of sandwich plates with anisotropic face sheets in thermal environment by using the hierarchical trigonometric Ritz formulation", *Composites Part B: Engineering*, Vol. 50, pp 67-81, July 2013

Fiorenzo A. Fazzolari and Erasmo Carrera, "Advances in the Ritz formulation for free vibration response of doubly-curved anisotropic laminated composite shallow and deep shells", *Composite Structures*, Vol. 101, pp 111-128, July 2013

F.A. Fazzolari, J.R. Banerjee and M. Boscolo, "Buckling of composite plate assemblies using higher order shear deformation theory – An exact method of solution", *Thin-Walled Structures*, Vol. 71, pp 18-34, October 2013

F.A. Fazzolari and J.R. Banerjee, "Axiomatic/asymptotic PVD/RMVT-based shell theories for free vibrations of anisotropic shells using an advanced Ritz formulation and accurate curvature descriptions", *Composite Structures*, Vol. 108, pp 91-110, February 2014

Fiorenzo A. Fazzolari and Erasmo Carrera, "Refined Hierarchical kinematics quasi-3D Ritz models for free vibration analysis of doubly curved FGM shells and sandwich shells with FGM core", *Journal of Sound and Vibration*, Vol. 333, No. 5, pp 1485-1508, February 2014

Fiorenzo A. Fazzolari and Erasmo Carrera, "Coupled thermoelastic effect in free vibration analysis of anisotropic multilayered plates and FGM plates by using a variable-kinematics Ritz formulation", *European Journal of Mechanics*, Vol. 44, pp 157-174, March-April 2014

Fiorenzo A. Fazzolari, "A refined dynamic stiffness element for free vibration analysis of cross-ply laminated composite cylindrical and spherical shallow shells", *Composites Part B: Engineering*, Vol. 62, pp 143-158, June 2014

Fiorenzo A. Fazzolari, "Natural frequencies and critical temperatures of functionally graded sandwich plates subjected to uniform and non-uniform temperature distributions", *Composite Structures*, Vol. 121, pp 197-210, March 2015

Fiorenzo A. Fazzolari, "Reissner's mixed variational theorem and variable kinematics in the modeling of laminated composite and FGM doubly-curved shells", *Composites Part B: Engineering*, Vol. 89, pp 408-423, March 2016