



Professor K. K. Viswanathan

See:

<http://science.utm.my/kkv/>

<http://www.drkkv.in/>

<https://scholar.google.com/citations?user=LSfLzTEAAAJ&hl=en>

https://www.researchgate.net/profile/K_K_Viswanathan/publications

Applied Mathematics and Computation
Department of Mathematical Sciences
University of Technology Malaysia, Johor, Malaysia

Research Interests:

Buckling and Vibration of Plates and Shells, Composite Structures, Fluid-Structure Interaction, Fluid Mechanics

Education:

Ph.D. (Continuum Mechanics) from Anna University, India

M.Sc. (Applied Mathematics) from Anna University, India

B.Sc. (Mathematics) from University of Madras, India

Earlier Biography:

Dr. K.K. Viswanathan was born in 1962 in Kodakkal Village of Vellore District, Tamil Nadu, India. He received his B.Sc. in Mathematics from University of Madras in 1989 and later his M.Sc. (Applied Mathematics) from Anna University, Chennai, India in 1992 and Ph.D. from the Anna University, with Prof. P.V. Navaneethakrishnan, in 1999. Later he joined the Department of Aerospace Engineering, Indian Institute of Science, Bangalore, as a Project Associate for one year. He has been working as a Senior Lecturer in the Department of Mathematics, Crescent Engineering College, Vandalur, Chennai, India since June 2000. At present he is working as a Post doctoral Research Scientist (BK21 Scientist) with Prof. Sang-Kwon Lee, in the Department of Mechanical Engineering, Acoustics and Noise Signal Processing Laboratory, Inha University,

Incheon, Korea. His current areas of interest include vibration of composite plates and shells, numerical methods and its applications. [Now Professor K.K. Viswanathan is at the University of Technology, Malaysia.]

Selected Publications:

Viswanathana KK, Navaneethakrishnan PV (2015) Buckling analysis of rectangular plates with variable thickness resting on elastic foundation. IOP Conf Ser Earth Environ Sci 23:01, 2006

Viswanathan KK, Lee JH, Aziz ZA, Hossain I, Rongqiao W, Abdullah HY (2012) Vibration analysis of cross-ply laminated truncated conical shells using a spline method. J Eng Math 76:139–156

Viswanathan KK, Lee SK (2007) Free vibration of laminated cross-ply plates including shear deformation by spline method. Int J Mech Sci 49: 352–363

Viswanathan KK, Navaneethakrishnan PV (2005) Free vibration study of layered truncated conical shell frusta of differently varying thickness by the method of collocation with cubic and quintic splines. Int J Solids Struct 42: 1129–1150

Viswanathan KK, Navaneethakrishnan PV (2003) Free vibration study of layered cylindrical shells by collocation with splines. J Sound Vib 260: 807–827