



Professor Hiroshi Matsuda

Dep. Of Structural Engineering
University of Nagasaki

Biography:

- born in Isahaya (Nagasaki Prefecture) on 19. Aug. 1957
- grown up in Isahaya (Nagasaki Prefecture)
- studies of civil engineering at Kyushu Institute of Technology (Tobata, Kitakyushu-city)
- graduated 1980 with a Bachelor of Engineering
- graduated 1982 with a Master of Engineering
- 1982-1988 Assistant at 'Dept. of Structural Engineering' University of Nagasaki
- 1988-1991 Lecturer at 'Dept. of Structural Engineering' University of Nagasaki
- 1989/90 post-doc at 'Institut fuer Baustatik' University of Stuttgart(Prof.Dr.-Ing. E.Ramm), DAAD Scholarship
- 1991-2003 Associate Professor at 'Dept. of Structural Engineering' University of Nagasaki
- since 2003 Professor at 'Dept. of Structural Engineering' University of Nagasaki

Research Interests:

Structural Mechanics
Full Field Optic Measurement Method
Static and Dynamic Analyses of Thin-walled Structures

Stability and ultimate load Analyses (Steel, Reinforced Concrete and Composite)
Linear and Nonlinear Finite Element Analyses
Membrane and Shell Structure Analysis by 3D Measurement
History of Bridge Structures
Bridge Engineering

Selected Publications:

Book: Technology, History and Culture on Bridges (only in Japanese)

Sakiyama Takeshi and Matsuda, Hiroshi (Department of Structural Engineering, Nagasaki University, Nagasaki, Japan), “Elastic buckling of rectangular mindlin plate with mixed boundary conditions”, Computers & Structures, Col. 25, No. 5, pp. 801-808, 1987

Hu, X, Sakiyama, T. Matsuda, H. and Morita, C. Vibration of twisted laminated composite conical shells, International Journal of Mechanical Sciences, (2002), 44, 1521-1541.

Hu, X.X, Sakiyama, T., Lim, C.W., Xiong, Y., Matsuda, H. and Morita, C. Vibration of angle-ply laminated plates with twist by Raleigh-Ritz procedure, Computer Methods in Applied Mechanics and Engineering, (2004), 193, 805-823.

Huang, M.; Ma, X. Q.; Sakiyama, T.; Matsuda, H.; Morita, C., “Natural vibration study on rectangular plates with a line hinge and various boundary conditions”, Journal of Sound and Vibration, Col. 322, No. 1-2, pp. 227-240, 2009, DOI: 10.1016/j.jsv.2008.11.006

C. Zhao, H. Matsuda, S.Lou, Z.C.Guan and J.S. Tian, “Visualization of Buckling on Thin-walled Cylindrical Shell by Digital Image Correlation Method”, Applied Mathematics & Information Sciences, Vol. 7, No. 3, pp. 999-1004, February 2013