

Selective Publications

- 1) "Damage detection for composite plates using lamb waves and projection genetic algorithm", AIAA Journal, Vol.40(9), 2002, pp.1860-1866
- 2) "Adaptive multilayer perceptron networks for detection of cracks in anisotropic laminated plates", J. of Solids & Structures, Vol.38, no.32, 2001, pp5625-5645
- 3) "A novel hybrid genetic algorithm using local optimizer based on heuristic pattern move", Applied Artificial Intelligence – an International Journal, Vol.15(7), 2001, pp601-631
- 4) "Total solutions for structural mechanics problems", Computer Methods in Applied Mechanics and Engineering, Vol.191(8-10), 2001, pp.989-1012
- 5) "An inverse procedure for identification of loads on composite laminates", Int. J. of Composite Structures, Dec., 2000
- 6) "An accelerated genetic algorithm using Hooke-Jeeves method for local searching", Proc. of the 1st Int. Conf. on Structural Stability and Dynamics, Dec. 7-9, 2000, Taipei, Taiwan, pp.781-786
- 7) "Failure mechanism and load-carrying capacity of support-failed beams-slabs without shear reinforcement", 5th Int. Conf. on Structural Failure, Durability and Retrofitting, pp.105-112, 27-28 Nov. 1997, Singapore
- 8) "Design and application of post-tensioned systems in building structures", IES seminar and workshop on analysis and design of prestressed concrete structures, Singapore, 25 April 1996
- 9) "Shear strength of reinforced concrete beams and slabs without shear reinforcement, part 7 size effect study on beams failed near supports", Report no. 25.2.93-2-13, Faculty of Civil eng., TU Delft, Aug. 1993
- 10) "Shear strength of reinforced concrete beams and slabs without shear reinforcement, part 8 influence of "Vout" on the D-failed beams", Report no. 25.2.93-2-14, Faculty of Civil eng., TU Delft, Sept. 1993
- 11) "Nonlinear analysis of bond-slip effects", 4th Int. conf. on Quality Assurance and Standard in Finite Element and Associated Technologies, pp.136-147, May 1993, Brighton, U.K., the abstract was also accepted by Mathematics of finite element and applications – highlight 1993
- 12) "An improved interface element for cracking of structural concrete", 5th Int. Conf. on Civil and Structural Eng. Computing, pp.187-194, Edinburgh, U.K., August 1993
- 13) "Understanding brittle shear failure in concrete offshore structures", Proc. of the 6th Int. Conf. on the Behaviour of Offshore Structures, BOSS 92, (ed) M.H. Patel and R. Gibbins, pp.744-758, London, U.K. July 1992
- 14) "Shear strength of reinforced concrete beams and slabs without shear reinforcement, part 5 initial analysis for shear failure near supports", Report no. 25.2.92-2-2, Faculty of Civil Eng., TU Delft, Feb. 1992
- 15) "Shear strength of reinforced concrete beams and slabs without shear reinforcement, part 6 an

- improved analysis for shear failure near supports”, Report no. 25.2.92-2-10, Faculty of Civil eng., TU Delft, July. 1992
- 16) “An orientated bar formulation with bond-slip”, Proc. of the Int. Conf. on Num. Meth. in Eng.: theory and application, (ed) N. Pande and J. Middleton, pp.320-328, Swansea, UK. Jan. 1990
- 17) “Application of computational methods in the design of deep foundation”, J. of Guizhou Institute of Technology, 1987