Y T Feng

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Current position

Senior Lecturer

Education

PhD in Computational Mechanics
B. Eng in Engineering

Research interests

Finite/Discrete Element Methods for Discrete/Discontinuous Systems
Large Scale Engineering & Scientific Computations
High Performance Computing for Engineering
Linear & Nonlinear Finite Element Analysis
Structural Dynamics & Seismic Assessment

Career

Research officer (1993-2000)
Lecturer   (2000-2003)

Honors and awards

Several prestigious national awards in China

Professional activities

Conference mini-symposium organisations

Refereed papers and chapters in books

Over 50 refereed journal papers and chapters in books

Summary of journal publications

Journal	Impact factor	Number of papers
Int. J. Numer. Meth. Engng.	1.691	7
Comp. Meth. Appl, Mech, Engng	1.252	5
Engineering Computations	0.536	5
Other indexed journals		18
Other papers in refereed journals		17

Selected publications (max. 5)

Y. T. Feng, K. Han and D. R. J. Owen: Filling Domains with Disks: An Advancing Front Approach. Int. J. Numer. Meth Engng, 56: 699-713, 2003

Y. T. Feng and D. R. J. Owen: An Augmented Spatial Digital Tree Algorithm for Contact Detection in Computational Mechanics. Int. J. Numer. Meth. Engng., 55(2): 159-174, 2002

Y. T. Feng, D. Peric and D. R. J. Owen: A Multigrid Enhanced GMRES for Elasto-Plastic Problems. Int. J. Numer. Meth. Engng., 42: 1441-1462, 1998.

Y. T. Feng, D. Peric and D. R. J. Owen: A Non-nested Galerkin Multi-grid Method for Solving Linear and Nonlinear Solid Mechanics Problems. Comp. Meth. Appl. Mech. Engng. 144: 307-325, 1997.

Y. T. Feng and D. R. J. Owen: Iterative Solution of Coupled FE and BE Methods for Plate-foundation Interaction Problems. Int. J. Numer. Meth. Engng., 39(11): 1889-1901, 1996