

Wen-Hann Sheu

Position

Professor of Dept. of Engineering Science and Ocean Engineering, NTU



Research Fields

Scientific computing for science and engineering problems

Research Interests

- *Explore interaction of peakons, antipeakons and cuspons in nonlinear third-order dispersive Camassa-Holm (CH) equation and Degasperis-Procesi (DP) equation*
- *Capture fluid-fluid interface and explore flow-structure interaction*
- *Computational investigation of acupuncture and moxibustion*
- *Maxwells' equations and nonlinear Schrödinger equation and their applications*
- *Bifurcation study on hydrodynamic and electrohydrodynamic equations*
- *High-intensity focal ultrasound for ablating liver tumor*
- *Effect of different inspiration-expiration means on the oxygen distribution in human airway*

Research Group

- *Prof. Marc Thiriet, LJLL, France*
- *Prof. Long Lee, University of Wyoming, USA*
- *Prof. W. L. Lin, National Taiwan University*
- *Prof. J. H. Li, National Taiwan University*
- *Prof. H. H. Chang, National Taiwan University*
- *Dr. C. L. Huang, National Taiwan University*
- *Dr. Maxim Solovchuk, National Taiwan University*
- *Dr. C. H. Yu, National Taiwan University*
- *M.D. C. M. Ho, National Taiwan University Hospital*
- *M.D. P. C. Liang, National Taiwan University Hospital*