蔡丁貴　教授 Ting-Kuei Tsay

Professor

學歷/ 美國康乃爾大學博士
　　　Ph.D., Cornell University
專長/ 海岸工程、計算水力學、地下水水力學
　　　Coastal Engineering, Computational Hydraulics,Groundwater Hydraulics

期刊論文　(Journal Paper)

1. Chintu Lai, Ting-Kuei Tsay, Chen-Ho Chien, I-Ling Wu, ``Real-time Flood Forecasting: We've learned to predict typhoons. What is required to predict the floods they bring? ``, American Scientist, Volume 97, Number 2, Page: 118, 11, 2009 **(SCI)**

2. John Wang, Ting-Kuei Tsay, Fu-Ru Lin, ``Numerical Conformal Mapping of an Irregular Area``, NONLINEAR WAVE DYNAMICS : Selected Papers of the Symposium Held in Honor of Philip L-F Liu's 60th Birthday, sp , 0 , 252 -272 , 11, 2008

3. Wu N.J., Tsay T.K., Young D.L., ``Computation of Nonlinear Free-Surface Flows by a Meshless Numerical Method``, Journal of Waterway, Port, Coastal, and Ocean Engineering, ASCE, 134 , 0 , 97 -103 , 03, 2008 **(EI.)**

4. Wu N.J., Tsay T.K., ``Applicability of Method of Fundamental Solutions to 3-D Wave-Body Interaction with Fully Nonlinear Free Surface``, Journal of Engineering Mathematics, 63 , 1 , 0 -0 , 00, 2008 **(EI.)**

5. Wu, N.J., Tsay, T.K. and Young, D.L, ``Meshless Numerical Simulation for Fully Nonlinear Water Waves``, International Journal for Numerical Method in Fluids, 150 , , 219 -234 , 01, 2006 **(EI.)**

6. Tsay, T.K., Wang, J. and Huang, Y.T, ``Numerical Generation and Grid Controls of Boundary-fitted Conformal Grids in Multiply-connected Regions``, International Journal of Numerical Methods in Engineering, 67 , , 1045 -1062 , 04, 2006 **(EI.)**

7. Wang, J. and Tsay, T.K, ``Analytical Evaluation and Application of the Singularities in Boundary Element Method``, Engineering Analysis with Boundary Elements, 29 , 0 , 241 -256 , 04, 2005 **(SCI, EI.)**

8. Wang, J. and Tsay, T.K.,(2004), "Singularities in BIEM.", accepted, Engineering Analysis with Boundary Elements, NSC92-2625-Z-002-014. **(SCI, EI.)**

研討會論文（Conference Papers）

1. Ting-Kuei Tsay and I-Ling Wu (2008), ``Development of Dasin-Wide River Numerical Model and Dynamic Simulation for Flood Scenarios``, The 6th Taipei International Digital Earth Symposium (TIDES 2008).

2. Ling Wu, Ting-Kuei Tsay, Chintu Lai (2007), ``An Unsteady-Flow Simulation Model for Basin-wide River Systems``, 2nd International Conference on Urban Disaster Reduction.

3. Chintu Lai；Tsay, Ting-Kuei；Chen-ho Chien；I-Ling Wu；Nan-Ching Wu (2005), ``A Real-timeFlood Forecast Model For A Tide-affected River Basin``, XXXI IAHR Congress.

4. 吳南靖、簡振和、蔡丁貴(2004)，「應用序率方法在河川特定點進行水位預報之研究」，第十四屆水利工程研討會論文，G155～G160。

5. 簡振和、林孟毅、林齊堯、蔡丁貴(2004)，「HEC-RAS 模式進行不恒定流分析之初步探討－以淡水河流域為例」，第十四屆水利工程研討會論文，A83～A89。

6. 詹明修、簡振和、徐年盛、蔡丁貴(2004)，「應用遺傳演算法率定河川不恒定流模式水理參數之研究」，第十四屆水利工程研討會論文，A226～A234。