

CURRICULUM VITAE

Yuan-Jyh Lan

Date of birth: June 28, 1967

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Academic Career:

- | | |
|-------------------|---|
| 1993,09 - 2000,11 | Ph. D., Department of Hydraulic and Ocean Engineering, National Cheng Kung University |
| 1990,09 - 1992,06 | M. Sc., Department of Hydraulic and Ocean Engineering, National Cheng Kung University |
| 1985,09 - 1990,06 | B. Sc., Department of Hydraulic and Ocean Engineering, National Cheng Kung University |

Work Experience:

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| 2012,08 ~ present | Assistant Researcher, Research Center for Ocean Energy and Strategies, National Taiwan Ocean University |
| 2009,02 - 2012,07 | Assistant Researcher, Department of Hydraulic and Ocean Engineering, National Cheng Kung University |
| 2008,11 - 2009,01 | Assistant Research Professor, Department of Hydraulic and Ocean Engineering, National Cheng Kung University |
| 2006,08 - 2008,10 | Assistant Professor, Department of Information Science, Hsing Kuo University of Management |
| 2004,08 - 2006,07 | Assistant Professor, Department of Information Management, Hsing Kuo University of Management |
| 2001,01 - 2004,07 | Postdoctoral Fellow, Department of Hydraulic and Ocean Engineering, National Cheng Kung University |
| 2002,08 - 2004,07 | Adjunct Assistant Professor, Department of Hydraulic and Ocean Engineering, National Cheng Kung University |
| 2002,02 - 2004,07 | Adjunct Assistant Professor, Department of Marine Environmental Engineering, National Kaohsiung Marine University |

Field of Research:

1. Ocean and Coastal Engineering
2. Analysis on Wave and structure interaction
3. Theory of porous and elastic structure in water
4. Numerical models of wave and tidal current
5. Coastal development and disaster prevention and conservation

Research History:**(A) Projects supported by National Science Council (NSC)**

計 畫 名 稱	補助單位	計畫編號	擔任職務	起訖年月	金額(元)
波浪通過雙層複合彈性透水潛式結構互相作用之研究	NSC	NSC101-2221-E-019-072	主持人	2012/08 — 2013/07	575,170
氣候變遷下海岸地區變化之研究(2/2)	NSC	NSC101-2911-I-006-515	共同 主持人	2013/01 — 2013/12	360,000
台灣海岸緩衝區研究	NSC	NSC99-2221-E-006-237	主持人	2010/08 — 2011/07	525,000
波浪通過系列彈性透水潛堤產生布拉格反射之研究(I) (II)	NSC	NSC96-2221-E-006-348-MY2	主持人	2007/08 — 2009/07	839,000
波浪與系列彈性透水潛堤互相作用之理論分析	NSC	NSC95-2221-E-432-008	主持人	2006/08 — 2007/07	409,000

(B) Other Research Projects (after 2007)

計 畫 名 稱	擔任職務	補助機關	執行期間	計畫編號	金額(元)
強化臺灣西北及東北地區因應氣候變遷海岸災害調適能力研究計畫(1/2)	兼任研究員	經濟部水利署	2012/02 — 2012/12	MOEAWRA 1010204	5,400,000
麥寮附近沿岸漂沙運動調查計畫 III	協同主持人	探海有限公司	2011/10— 2012/12		1,000,000
強化台灣西南地區因應氣候變遷海岸災害調適能力研究計畫(2/2)	兼任研究員	經濟部水利署	2011/05— 2011/12	MOEAWRA 1000075	5,780,000
麥寮附近沿岸漂沙運動調查計畫 II	兼任研究員	探海有限公司	2010/09 — 2011/08		500,000
強化台灣西南地區因應氣候變	兼任研究員	經濟部水利	2010/06	MOEAWRA 0990334	5,900,000

計 畫 名 稱	擔任職務	補助機關	執行期間	計畫編號	金額(元)
遷海岸災害調適能力研究計畫 (1/2)		署	— 2010/12		
東部海岸海岸溢淹潛勢圖資製作之研究	兼任研究員	經濟部水利署	2010/06 — 2010/12	MOEAWRA 0990228	4,280,000
動態人工岬灣應用於台南高雄海岸之研究	協同主持人	經濟部水利署 第六河川局	2010/04 — 2010/12	MOEAWRA 0990225	3,468,000
麥寮附近沿岸漂沙運動調查計畫	兼任研究員	探海有限公司	2009/06 — 2010/05		500,000
花蓮海岸災害監測預警系統建置	協同主持人	經濟部水利署	2009/05 — 2009/12	MOEAWRA 0980129	4,650,000
因應氣候變遷治水與國土規劃之創新策略	研究員	成功大學發展一流大學及頂尖研究中心	2008/11— 2009/07	R046	1,622,000
布袋港港口附近海域漂砂互制與地形變遷之研究	協同主持人	交通部運輸研究所港灣技術研究中心	2007/10 — 2008/10	MOTC-IOT- 96-H2EB008	950,000

Publications List:

△ : Submitted manuscript for possible acceptance

O : Accepted manuscript or in press

(IF=IMPACT FACTOR, R=RANK)

Subject Categories: EC=Engineering, Civil, EO=Engineering, Ocean, O=Oceanography,
EM=Engineering, Mechanical, ES=Environmental Sciences,
EMa= Engineering, Marine, EMu=Engineering, Multidisciplinary,
GM=Geosciences, Multidisciplinary, Marine, M=Mechanics,
W=Water Resources, PM= Physics, Multidisciplinary.

(A) Journal papers

- △ 1. Hsu, Tai-Wen, Lan, Yuan-Jyh and Lee, Yi-Ting (2013) "Proposal for Planning and Management in the Coastal Buffer Zone," A paper submitted to Journal of Hydrology. (EI&SCI, IF = 2.656, R = 4/78 (W), 5/118 (EC)).
- △ 2. Lan, Yuan-Jyh, Hsu, Tai-Wen, Lin, Yue-Chen and Huang, Ching-Jer (2013) "An Adaptation Due to Climate Change in Southwest Coast of Taiwan," A paper submitted to Coastal Management. (SCI & EI, IF=1.194, R = 129/205 (ES)).
3. Lan, Yuan-Jyh, Hsu, Tai-Wen, Lin, Ta-Yuan and Liang, Shin-Jye (2012) "Design and Implementation of an Simulation of Water Wave Transformation Using Higher Order Mild-Slope Equation," *Journal of Marine Science and Technology*, Vol. 20, No. 5, pp. 603-611. (EI&SCI) (grant No.: NSC96-2221-E-006-021).
4. Lan, Yuan-Jyh, Kuo, Yu-Shu, Hsu, Tai-Wen and Chen, Ching-Yu (2012) "On Waves Propagating over two Submerged Closely Spaced Poroelastic Breakwaters," *Proceedings of the Institution of Mechanical Engineers, Part M: Journal of Engineering for the Maritime Environment*, DOI: 10.1177/1475090212443188, first published on June 25, 2012. (EI&SCI, IF = 0.407, R = 6/14 (EMa)).
5. Lan, Yuan-Jyh, Kuo, Yu-Shu, Hsu, Tai-Wen and Lin, Ta-Yuan (2012) "Numerical Simulation of Wave Transformation across the Surf Zone over a Steep Bottom", *Ocean Engineering*, Vol. 41, pp. 33-38. (EI&SCI, IF = 1.178, R = 3/15 (EO)).
6. Tsai, Li-Hung, Kuo, Yu-Shu, Lan, Yuan-Jyh, Hsu, Tai-Wen, and Chen, Wen-Jung (2011) "Investigation of Multiply Composite Artificial Bars for Bragg Scattering of Water Waves," *Coastal Engineering Journal*, Vol. 53, No. 4, pp. 521-548. (EI&SCI, IF = 0.452, R = 10/15 (EO)) (grant No.: NSC97-2221-E-006-261-MY3).
7. Lan, Yuan-Jyh, Hsu, Tai-Wen, Lai, Jian-Wu, Chang, Chen-Chen and Ting, Chia-Huan (2011) "Bragg Scattering of Waves Propagating over a Series of Poro-Elastic Submerged Breakwaters," *Wave Motion*, Vol. 48, pp. 1-12. (EI&SCI, IF = 1.460, R = 26/84 (PM)) (grant No.: NSC95-2221-E-432-008, NSC96-2221-E-006-348-MY2).
8. Lan, Yuan-Jyh and Lee, Jaw-Fang (2010) "On Waves Propagating over A Submerged

- Poro-Elastic Structure,” *Ocean Engineering*, Vol. 37, No. 8-9, pp. 705-717. (EI&SCI, IF = 0.954, R = 4/15 (EO)) (grant No.: NSC96-2221-E-006-348-MY2).
9. Chang, Jen-Yi, Tsai, Li-Hung, Hsu, Tai-Wen and Lan, Yuan-Jyh (2010) “Feasibility Analysis Using a Series of Submerged Breakwaters for Coastal Protection,” *Journal of Coastal and Ocean Engineering*, Vol. 10, No. 1, pp. 87-119. (in Chinese)
 10. Hsu, Tai-Wen and Lan, Yuan-Jyh (2009) “Reply to ‘Discussion of Wave Setup and Set-down Generated by Obliquely Incident Waves’ by F. Shi and J.T. Kirby,” *Coastal Engineering*, Vol. 56, pp. 382-383. (EI&SCI, IF = 2.404, R = 4/106 (EC), 1/15(EO)) (grant No.: NSC-97-2221-E-006-261- MY3).
 11. Hsu, Tai-Wen, Chang, Jen-Yi, Lan, Yuan-Jyh, Lai, Jian-Wu, Ou, Shan-Hwei (2008) “A Parabolic Equation for Wave Propagation over Porous Structures,” *Coastal Engineering*, Vol. 55, pp. 1148-1158. (EI&SCI, IF = 1.844, R = 5/91 (EC)) (grant No.: NSC95-2221-E006-462).
 12. Hsu, Tai-Wen, Lan, Yuan-Jyh, Wang, Yung-Her and Tsai, Chin-Yen (2005) “Using Finite-Element Method to Simulate Wave Transformations in Surf Zone,” *Journal of Engineering Mechanics*, ASCE, Vol. 131, No. 11, pp. 1214-1217. (EI&SCI, IF = 0.832, R = 22/104 (EM)) (grant No.: NSC-90-2611-E-006-004).
 13. Lan, Yuan-Jyh, Hsu, Tai-Wen and Tsai, Chin-Yen (2004) “Application of The Improved Radiation Boundary Condition for Coastal Wave Model,” *Journal of the Chinese Institute of Civil and Hydraulic Engineering*, Vol. 16, No. 2, pp. 1-10. (in Chinese)
 14. Hsu, Tai-Wen, Lan, Yuan-Jyh, Tsay, Ting-Kuei and Lin, Kuei-Pin (2003) “Second-Order Radiation Boundary Condition for Wave Field Simulation with Large Angle Incidence,” *Journal of Engineering Mechanics*, ASCE, Vol. 129, No. 12, pp. 1429-1438. (EI&SCI, IF = 0.719, R = 29/106 (EM)) (grant No.: NSC-89-2611-E-006-071).
 15. Lee, Jaw-Fang and Lan, Yuan-Jyh (2002) “On Waves Propagating Over Poro-Elastic Seabed,” *Ocean Engineering*, Vol. 29, No. 8, pp. 931-946. (EI&SCI, IF = 0.371, R = 6/15 (EO)) (grant No.: NSC-87-2611-E-006-021).
 16. Hsu, Tai-Wen, Lan, Yuan-Jyh and Lee, Jaw-Fang (2000) “Predictions of Beach Profile Changes by Finite Element Method,” *Journal of the Chinese Institute of Civil and Hydraulic Engineering*, Vol. 12, No. 4, pp. 807-816. (in Chinese)
 17. Lan, Yuan-Jyh and Lee, Jaw-Fang (2000) “Wave-Seabed Interaction in a Poro-Elastic Bed of Finite Thickness,” *Journal of the Chinese Institute of Civil and Hydraulic Engineering*, Vol. 12, No. 2, pp. 391-400. (in Chinese) (grant No.: NSC-87-2611-E-006-021).
 18. Lee, Jaw-Fang and Lan, Yuan-Jyh (1996) “A Second-order Solution of Waves Passing Porous Structures”, *Ocean Engineering*, Vol.23, No.2, pp.143-165. (EI&SCI, IF = 0.308, R = 7/20 (EO)) (grant No.: NSC-87-2611-E-006-021).
 19. Lee, Jaw-Fang and Lan, Yuan-Jyh (1995) “On Waves Propagating Through a Porous Structure,” *Journal of Harbour Technology*, Vol. 10, No. 1, pp. 77-92. (in Chinese) (grant

No.: NSC-79-0410-E-006-53).

(B) Conference papers

1. Lan, Yuan-Jyh, Liu, Yan-Rong, Hsu, Tai-Wen and Hou Zhan-Jun “Analysis of Wave Interaction with a Composite Poro-elastic Submerged Breakwater,” *Proceedings of the 34th Ocean Engineering Conference in Taiwan*, pp. 309-314. (in Chinese) (grant No.: NSC 101-2221-E-019-072).
2. Lan, Yuan-Jyh, Lee, Ri-Sheng, Ou, Shan-Hwei, Hsu, Tai-Wen and Cheng, Yung-Han (2012) “PIV Measurements on Flow Field of Waves Propagating over Submerged Porous Elastic Breakwaters,” *The 6th Chinese-German Joint Symposium on Hydraulic and Ocean Engineering*, Keelung, Taiwan, pp. 103-111. (EI) (grant No.: NSC101-3113-P-006-015).
3. Lan, Yuan-Jyh, Hsu, Tai-Wen and Chen, Ching-Yu (2012) “Analysis of Wave Interaction with Submerged Adjacent Poro-Elastic Breakwaters,” *The 33rd International Conference on Coastal Engineering*, Santander, Spain, Paper No. 25. (SCI & EI) (grant No.: NSC96-2221-E-006- 348-MY2 and NSC100- 2221-E-006-010-MY3).
4. Hsu, Tai-Wen, Lan, Yuan-Jyh, Lai, Jian-Wu Cheng, Yung-Han and Ou, Shan-Hwei (2012) “Applying PIV Measurements on Flow Field of Waves Propagating over a Single Submerged Porous Elastic Breakwater,” *The 33rd International Conference on Coastal Engineering*, Santander, Spain, Paper No. 32. (SCI & EI) (grant No.: NSC96-2221-E-006-348-MY2 and NSC100- 2221-E-006-010-MY3).
5. Juan, Hsiang-Lan, Hsu, Tai-Wen, Lan, Yuan-Jyh, Lin, Yue-Chen and Huang, Ching-Jer (2012) “A Study of Adaptation Capacity of Coastal Disasters Due to Climate Change in Order to Strengthen Southwest Area of Taiwan,” *The 33rd International Conference on Coastal Engineering*, Santander, Spain, Paper No. 33. (SCI & EI)
6. Lan, Yuan-Jyh, Hsu, Tai-Wen, Li, Yi-Ting and Wu, Bo-Chen (2011) “The Study on Coastal Buffer Zone in Taiwan,” *Proceedings of the 33rd Ocean Engineering Conference in Taiwan*, pp. 613-618. (in Chinese) (grant No.: NSC99-2221-E-006-237).
7. Tsai, Chia-Cheng, Hsu, Tai-Wen and Lan, Yuan-Jyh (2010) “The mild slope equation of water wave on poro-elastic media of infinite depth,” *Proceedings of the 32nd Ocean Engineering Conference in Taiwan*, pp. 249-253. (in Chinese)
8. Lan, Yuan-Jyh, Hsu, Tai-Wen, Wu, Bo-Chen and Li, Yi-Ting (2010) “A Study on Coastal Buffer Zone at Taiwanese Coasts,” *Proceedings of the 32nd Ocean Engineering Conference in Taiwan*, pp. 581-586. (in Chinese) (grant No.: NSC99-2221- E-006-237).
9. Ou, Shan-Hwei, Hsu, Tai-Wen, Lin, Jian-Feng, Lai, Jian-Wu, Lin, Shih-Hsiang, Chang, Chen-Chen and Lan, Yuan-Jyh (2010) “Experimental and Numerical Studies on Wave Transformation Over Artificial Reefs,” *Proceedings of 32nd the International Conference on Coastal Engineering*, Shanghai, China, Waves.17.
(http://journals.tdl.org/ICCE/article/view/1252/pdf_72)

10. Lai, Jian-Wu, Hsu, Tai-Wen and Lan, Yuan-Jyh (2010) "Experimental and Numerical Studies on Wave Propagation over Coarse Grained Sloping Beach," *Proceedings of 32nd the International Conference on Coastal Engineering*, Shanghai, China, Waves.26. (http://journals.tdl.org/ICCE/article/view/1234/pdf_68) (grant No.: NSC96-2221-E-006-331-MY3).
11. Li, Yi-Ting , Lan, Yuan-Jyh and Hsu, Tai-Wen (2010) "The Study of Coastal Buffer Zone in Taiwan for Conception of Coastal Environment Recovery and Protection," *European Geophysical Union General Assembly 2010*, Vienna, Austria, EGU2010-39.
12. Li, Yi-Ting , Lan, Yuan-Jyh, Hsu, Tai-Wen and Shie, Wan-Zi (2009) "A Study on the Analysis of Relationship between Coastal Buffer Zone and Natural Protected Area—Typical Example at Howmeiliao Coast," *2009 American Geophysical Union Annual Fall Meeting*, San Francisco, OS43B-1390.
13. Lan, Yuan-Jyh, Hsu, Tai-Wen, Shie, Wan-Zi and Li, Yi-Ting (2009) "A Study on the Analysis of Relationship between Coastal Buffer Zone and Natural Protected Area—Typical Example at Howmeiliao Coast," *Proceedings of the 31th Ocean Engineering Conference in Taiwan*, pp. 627-632. (in Chinese).
14. Lan, Yuan-Jyh (2009) "The Resonant Bragg Reflection for Waves Propagating over a Series of Poro-elastic Submerged Breakwaters II," *Proceedings of the 31th Ocean Engineering Conference in Taiwan*, pp. 237-242. (in Chinese) (grant No.: NSC96-2221-E-006-348-MY2).
15. Lai, Jian-Wu, Lan, Yuan-Jyh, Hsu, Tai-Wen, Ting, Chia-Huan and Chang, Chen-Chen (2009) "Application of Digital Image Process on Wave Propagating over a Series of Poro-elastic Submerged Breakwaters," *Proceedings of Coastal Dynamic 2009*, Tokyo, Japan, paper No. 142. (grant No.: NSC96-2221-E-006-348-MY2 (original No.: NSC96-2221-E-342-006-MY2)).
16. 藍元志 (2009) 「波浪與雙列連續彈性透水矩形潛堤互制分析」，第十四屆中國海洋（岸）工程學術討論會，內蒙古自治區呼和浩特市，649 頁-656 頁。(grant No.: NSC96-2221-E-006-348-MY2).
17. Lan, Yuan-Jyh, Hsu, Tai-Wen, Lai, Jian-Wu, Chang, Chen-Chen and Ting, Chia-Huan (2009) "Bragg Scattering of Waves Propagating over a Series of Poro-elastic Submerged Breakwaters," *Proceedings of the 19th International Offshore and Polar Engineering Conference (ISOPE)*, Osaka, Japan, pp. 1180-1187. (SCI & EI) (grant No.: NSC-95-2221-E-432-008, NSC-96-2221-E-006-348-MY2).
18. Lan, Yuan-Jyh, Hsu, Tai-Wen, Li, Yi-Ting and Chou, Yu-Chuan (2008) "The Study on Coastal Buffer Zone for Conception of Coastal Disaster and Protection," *American Geophysical Union Annual Fall Meeting*, San Francisco, OS23C-1279.
19. Lan, Yuan-Jyh (2008) "The Resonant Bragg Reflection for Waves Propagating over a Series of Poro-elastic Submerged Breakwaters," *Proceedings of the 30th Ocean Engi-*

- neering Conference in Taiwan, pp. 247-252. (in Chinese) (grant No.: NSC96-2221-E-006-348-MY2).
20. Lan, Yuan-Jyh, Hsu, Tai-Wen, Chou, Yu-Chuan and Li, Yi-Ting (2008) "A Study on Coastal Buffer Zone and Application to Howmeiliao Coast," *Proceedings of the 30th Ocean Engineering Conference in Taiwan*, pp. 667-672. (in Chinese).
 21. Lan, Yuan-Jyh (2007) "Analysis Waves Interaction with a Series of Poro-Elastic Submerged Structures," *Proceedings of the 29th Ocean Engineering Conference in Taiwan*, Tainan, pp. 331-336. (in Chinese) (grant No.: NSC-95-2221-E-432-008).
 22. Lan, Yuan-Jyh, Hsu, Tai-Wen, Li, Yi-Ting, Shin, Chih-Yung, Chou, Yu-Chuan and Huang, Wen-Shuen (2007) "Relationship Between the Coastal Buffer Zone and Ecological Habitat," *Proceedings of the 29th Ocean Engineering Conference in Taiwan*, Tainan, pp. 721-726. (in Chinese).
 23. Hsu, Tai-Wen, Chang, Jen-Yi and Lan, Yuan-Jyh (2007) "A Parabolic Equation for Wave Propagation over Porous Media", *Proceedings of the 17th International Offshore and Polar Engineering Conference (ISOPE)*, Lisbon, Portugal, pp. 2302-2308. (EI)
 24. 藍元志，許泰文，李怡婷 (2006) 「海岸災害與減輕對策之管理－海岸緩衝區之設立」，中華技術學院營建開發與科技管理應用研討會論文集，台北，B1-B9 頁。
 25. 陳子龍，吳鍾淇，王文彥，藍元志 (2006) 「XQuery 透過 CORBA 的架構達到分散式查詢的應用」，國立勤益技術學院第四屆管理學術研討會論文集，台中，C015－1 頁-6 頁。
 26. Hsu, Tai-Wen, Lan, Yuan-Jyh and Tsai, Chin-Yen (2004). "Simulation of Waves Passing over Porous Media Using FEMSE Wave Model," *Proc. PACON 2004, The 11th Pacific Congress on Marine Science and Technology*, Honolulu, pp. 38-45 (EI).
 27. Hou, Ho-Shong, Hsu, Tai-Wen, Lan, Yuan-Jyh and Tsai, Chin-Yen (2004). "On the Scouring of Western Breakwater at Mailiao Harbor, Taiwan," *Proceedings of PACON 2004, The 11th Pacific Congress on Marine Science and Technology*, Honolulu, pp. 139-146 (EI).
 28. Hsu, Tai-Wen, Lan, Yuan-Jyh, Hsu, Li-Chang, Tsai, Chin-Yen and Wang, Swun-Kwang (2004) "Calculation of Nearshore Wave Field and Wave-induced Setup on the Coast of Taiwan," *Proceedings of the 26th Ocean Engineering Conference in Taiwan, R.O.C.*, Taipei, pp. 183-190. (in Chinese) (grant No.: NSC-92-2625-Z-006-001).
 29. Hsu, Tai-Wen, Wang, Swun-Kwang, Lan, Yuan-Jyh and Lin, Jaw-Guei (2003) "Wave Setup/Setdown due to Oblique Waves," *Proceedings of the 25th Ocean Engineering Conference in Taiwan, R.O.C.*, Keelung, pp. 187-193. (in Chinese) (grant No.: NSC-91-2625-Z-006-002).
 30. Hsu, Tai-Wen, Lan, Yuan-Jyh and Lin, Ta-Yuan (2003) "The Study of Nonlinear Mild Slope Equation," *Proceedings of the 25th Ocean Engineering Conference in Taiwan, R.O.C.*, Keelung, pp. 227-234. (in Chinese) (grant No.: NSC-91-2625-E-006-002).

31. Hsu, Tai-Wen, Lan, Yuan-Jyh and Tsai, Chin-Yen (2002) "Extension of Wave Modeling in Finite Element Method," *Proceedings of the 24th Ocean Engineering Conference in Taiwan, R.O.C., Taichung*, pp. 34-41. (in Chinese) (grant No.: NSC-90-2611-E-006-004).
32. 許泰文, 藍元志, 林貴斌 (2001) 「以有限元素法模擬港池振盪之研究」, 第十屆中國海岸工程學術討論會論文集, 中國 丹東, 306 頁-312 頁。(grant No.: NSC-89-2611-E-006- 071).
33. Hsu, Tai-Wen, Lan, Yuan-Jyh and Wang, Yung-Her (2001) "Using Finite Element Method to Simulate Wave Deformations," *Proceedings of the 12th Hydraulic Engineering Conference*, Tainan, pp. I-37 - I-44. (in Chinese) (grant No.: NSC-89-2611-E-006-071).
34. 許泰文, 藍元志, 溫志中, 曾鈞敏, 阮香蘭 (2001) 「緩坡方程式之研發與應用」, 2001 年海洋數值模式研討會論文集, 台北, 7-1 頁-7-21 頁。
35. Hsu, Tai-Wen, Lan, Yuan-Jyh and Wen, Chih-Chung (2000) "A Study of the Application of Mild-Slope Equation," *Proceedings of the 24th National Conference on Applied and Theoretical Mechanics*, Zhongli, pp. B-193 - B-200. (in Chinese)
36. Hsu, Tai-Wen, Lan, Yuan-Jyh and Lin, Kuei-Pin (2000) "Using Finite Element Method to Simulate Wave-Induced Oscillations in Harbors," *Proceedings of the 24th National Conference on Applied and Theoretical Mechanics*, Zhongli, pp. B-9 - B-16. (in Chinese)
37. Hsu, Tai-Wen, Lan, Yuan-Jyh and Lin, Kuei-Pin (2000) "Using Finite Element Method to Simulate Wave Transformations with Large Angle Incidence," *Proceedings – Ocean, Second International Ocean and Atmosphere Conference*, COAA 2000, Taipei, pp. 160-165. (in Chinese)
38. Lan, Yuan-Jyh and Lee, Jaw-Fang (1999) "Interaction of Waves and Poro-Elastic Submerged Structures," *Proceedings of the 21th Ocean Engineering Conference in Taiwan, R.O.C., Hsinchu*, pp. 205-212. (in Chinese) (grant No.: NSC-88-2611-E-006-022).
39. Lan, Yuan-Jyh and Lee, Jaw-Fang (1998) "Interaction of Waves Propagating over Poro-Elastic Bed," *Proceedings of the 20th Ocean Engineering Conference in Taiwan, R.O.C., Keelung*, pp. 203-210. (in Chinese) (grant No.: NSC-87-2611-E-006-021).
40. Lee, Jaw-Fang, Liu, Cheng-Chi and Lan, Yuan-Jyh (1998) "Second-order Solution of the Flap Wavemaker Problem", *Proceedings of the International OTRC Symposium, Ocean Wave Kinematics, Dynamics and Loads on Structures*, pp. 9-16. (EI)
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42. Lee, Jaw-Fang, Liu, Cheng-Chi and Lan, Yuan-Jyh (1994) "Second-Order Waves of the Flap Wavemaker Problem," *Proceedings of the 16th Conference on Ocean Engineering in R.O.C., Kaohsiung*, pp. (A) 60-83. (in Chinese) (grant No.: NSC-83-0209-E-006-006).

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(D) Patent

1. Category: Invention

Patent Name: The calculation of the wave field

Country: ROC

Patent No.: I 223757

Inventor: Tai-Wen Hsu, Yuan-Jyh Lan

Patentee: Tai-Wen Hsu, Yuan-Jyh Lan

Period: 2004.11.11 - 2022.10.24