

黃志誠 學經歷

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單位: 國立中央大學, 水文與海洋科學研究所

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經歷

08/2016-present	國立中央大學水文與海洋科學研究所副教授
08/2020-07/2023	國立中央大學水文與海洋科學研究所所長
02/2017-01/2021	國立中央大學社會責任辦公室組長
02/2018-01/2020	國立中央大學環教中心主任
08/2011-07/2016	國立中央大學水文與海洋科學研究所助理教授
02/2011-07/2011	國立師範大學海洋環境科技研究所助理教授
03/2010-02/2011	美國加州大學聖地牙哥分校史奎普斯海洋研究院博士後研究員
07/2009-02/2010	美國加州大學聖地牙哥分校史奎普斯海洋研究院長期訪問研究生
06/2008-08/2008	美國加州大學聖地牙哥分校史奎普斯海洋研究院短期訪問研究生

學歷

02/2010	國立成功大學水利及海洋工程學系博士
06/2004	國立成功大學水利及海洋工程學系碩士
06/2002	國立成功大學水利及海洋工程學系學士

榮譽

05/2023	中央大學 111 學年度校教學優良獎
08/2020	中央大學 109 學年度產學合作績優獎
02/2020	中央大學 109 學年度研究傑出獎
02/2019	中央大學 108 學年度研究傑出獎
08/2018	中央大學 107 學年度院教學優良獎
08/2015	中央大學 104 學年度院教學優良獎
07/2008	Best student paper award at the 18th International Offshore and Polar Engineering Conference (ISOPE 2008).
06/2006	Cecilia His Saxena Award, 1 st place for the student poster session presentation at the 12 th Pacific Congress on Marine Science and Technology (PACON 2006).
06/2004	Honorary member of the Phi Tau Phi scholastic honor society, Taiwan.

服務

112.08-113.07

桃園市海岸管理委員會委員、校課程委員會會議委員、觀塘工業區（港）生態保育執行委員會專家學者委員、桃園市海岸管理處諮商委員

108.01-109.12

科技部計畫審查委員(自然處、工程處、國際合作處)、行政院公共工程委員會政府採購評選委員會、桃園市海岸管理委員會委員、桃園市自然地景審議委員會委員、觀塘工業區（港）生態保育執行委員會專家學者委員、桃園市農業局計畫審查委員(石滬草漂沙丘案)、桃園市農業局計畫審查委員(許厝港溼地案)、桃園市海岸管理處諮商委員、桃園市藻礁復育專案小組會議委員、OMAE 國際研討會論文審查委員、國際期刊 Ocean Engineering 論文審查委員、JO 期刊論文審查、桃園市環境教育課程教師

106.08-107.12

科技部計畫審查委員(自然處、工程處、國際合作處)、行政院公共工程委員會政府採購評選委員會、桃園市海岸管理委員會委員、桃園市自然地景審議委員會委員、觀塘工業區（港）生態保育執行委員會專家學者委員、桃園市農業局計畫審查委員(石滬草漂沙丘案)、桃園市農業局計畫審查委員(許厝港溼地案)、桃園市海岸管理處諮商委員、桃園市藻礁復育專案小組會議委員、中油第三天然氣接收港專家諮詢委員、OMAE 國際研討會論文審查委員、國際期刊 Ocean Engineering 論文審查委員、JO 期刊論文審查、桃園市環境教育課程教師、桃園市石滬論壇演講邀請、客家電視台訪問(新屋風機案、三芝風機案)、台視電視台訪問(草漂沙丘)

105.08-106.07

科技部專題計畫審查委員、桃園市農業局計畫審查委員(亞東石化案、海堤修護、新屋溪整治)、桃園市地景審議委員會委員、全國高中地科競賽評審委員、桃園市環境教育課程教師、新竹市環境教育課程教師、國際期刊 Journal of Geophysical Research-Oceans 論文審查委員、國際期刊 Journal of Marine Science and Technology 論文審查委員、國際期刊 Coastal Engineering Journal 論文審查委員、國際期刊 Ocean Engineering Journal 論文審查委員、台灣大學工科海洋研究所博士學位考試委員、國際波動研究中心演講邀請

104.08-105.07

桃園縣國中小在地生活教材編輯審查委員、桃園市政府計畫審查(亞東石化生態調查計畫)、桃園市農業局計畫審查委員（中油海岸開發案）、桃園市農業局藻礁研究案規劃會議委員、桃園市農業局計畫審查委員(中油案)、桃園市農業局計畫審查委員(海堤修護)、桃園市農業局計畫審查委員(亞東石化案、大潭電廠海堤案)

桃園市地景審議委員會委員、國際期刊 Journal of Geophysical Research-Oceans 論文審查委員、國際期刊 Journal of Hydraulic Research 論文審查委員、國際期刊 Coastal Engineering Journal 論文審查委員、國際期刊 Continental Shelf Research 論文審查委員、台灣大學應力所碩士學位考試委員、高中地科競賽評審委員、全國地科教師研習營演講、東沙研討會演講

著作

Publication List

A. Refereed Journal papers

Published or accepted (*: corresponding author)

1. T. L. C. Tran, **Z. C. Huang***, K. H. Tseng, and P. H. Chou (2022). "Detection of Bottle Marine Debris Using Unmanned Aerial Vehicles and Machine Learning Techniques," *Drones*. Vol. 6, No. 12, pp. 401. DOI: 10.3390/drones6120401. (SCIE)
2. T. N. Ly and **Z. C. Huang*** (2022). "Real-time and Long-term Monitoring of Waves and Suspended Sediment Concentrations over an Intertidal Algal Reef," *Environmental Monitoring and Assessment*. Vol. 194, No. 839. DOI: 10.1007/s10661-022-10491-0. (SCIE)
3. W. Y. Hsu, **Z. C. Huang**, B. Na, K. A. Chang*, R. Y. Yang, and W. L. Chuang (2019). "Laboratory observation of turbulence and wave shear stresses under large scale breaking waves over a mild slope," *Journal of Geophysical Research-Oceans*. Vol. 124, pp. 7486-7512. DOI: 10.1029/2019JC015033. (SCIE)
4. **Z. C. Huang***, C. Y. Yeh, K. H. Tseng, and W.Y. Hsu (2018). "A UAV-RTK-lidar system for wave and tide measurements in coastal zones," *Journal of Atmospheric and Oceanic Technology*, Vol. 35, pp. 1557-1570. DOI: 10.1175/JTECH-D-17-0199.1. (SCIE)
5. B.J. Na, K. A. Chang*, **Z. C. Huang**, W. Y. Hsu, and W. L. Chuang (2018). "Large-scale laboratory observation of flow properties of plunging breaking waves," *Coastal Engineering*, Vol. 138, pp. 66-79. DOI:10.1016/j.coastaleng.2018.04.002. (SCIE)
6. K.H. Tseng*, C.Y. Kuo, T.H. Lin, **Z. C. Huang**, Y. C. Lin, W.H. Liao, and C. F. Chen (2017). "Reconstruction of time-varying tidal flat topography using optical remote sensing imageries," *ISPRS Journal of Photogrammetry and Remote Sensing*, Vol. 131, pp. 92-103. (SCIE)
7. B. J. Na, K. A. Chang*, **Z. C. Huang**, and H. J. Lim (2016). "Turbulent flow field and air entrainment in laboratory plunging breaking waves," *Journal of Geophysical Research-Oceans*, Vol. 121, No. 5, pp. 2980-3009. DOI: 10.1002/2015JC011377. (SCIE)
8. **Z. C. Huang*** (2015). "Vertical structure of turbulence within a depression surrounded by coral-reef colonies," *Coral reefs*. Vol. 34, No. 3, pp. 849-862. (SCIE)
9. H. J. Lim, K. A. Chang*, **Z. C. Huang**, and B. J. Na (2015). "Experimental study on plunging breaking waves in deep water," *Journal of Geophysical Research-Oceans*, Vol. 120, No. 3, pp. 2007-2049. C03016. (SCIE)
10. **Z. C. Huang*** and K. S. Hwang (2015). "Measurements of surface thermal structure, kinematics, and turbulence of a large-scale solitary breaking wave," *Coastal Engineering*, Vol. 96, pp.132-147. (SCIE)
11. Y. T. Wu, S. C. Hsiao*, **Z. C. Huang**, K. S. Hwang (2012). "Propagation of solitary waves over a bottom-mounted barrier," *Coastal Engineering*. Vol. 62, pp.31-47. (SCI)
12. **Z. C. Huang**, B. Beineman, L. Lenain, W. K. Melville*, J. H. Middleton (2012). "Airborne LIDAR measurements of wave energy dissipation in a coral reef lagoon system," *Journal of Geophysical Research-Oceans*. Vol. 117, C03016. (SCI)
13. **Z. C. Huang**, L. Lenain, W. K. Melville*, J. H. Middleton, B. Reineman, N. Statom, R. M. McCabe (2012). "Dissipation of wave energy and turbulence in a shallow coral reef lagoon," *Journal of Geophysical*

14. **Z.C. Huang*** and H.H. Hwung (2012). "Wave breaking and turbulence in surf zones," *Current Development in Oceanography*. Vol. 5, No. 1, pp.1-22. (invited)
15. H. H. Hwung, **Z. C. Huang***, and K. S. Hwang (2010). "An experimental study of the cross-shore evolution of artificial submerged sand bars," *Coastal Engineering Journal*. Vol.52, pp. 261-285. (SCI)
16. **Z. C. Huang**, H. H. Hwung*, and K. A. Chang (2010). "Wavelet based vortical structure detection and length scale estimate for laboratory spilling waves," *Coastal Engineering*. Vol. 57, pp.795-811. (SCI)
17. **Z. C. Huang**, H. H. Hwung*, S. C. Hsiao and K. A. Chang (2010). "Laboratory observation of boundary layer flow under spilling breakers in a surf zone using high resolution particle image velocimetry," *Coastal Engineering*. Vol. 57, pp.343-357. (SCI)
18. **Z. C. Huang**, S.C. Hsiao, H.H. Hwung* and K. A. Chang (2009). "Turbulence and energy dissipations of surf-zone spilling breakers," *Coastal Engineering*. Vol. 56, pp.733-746. (SCI)
19. **Z. C. Huang**, S. C. Hsiao and H. H. Hwung* (2009). "Observation of coherent turbulent structure under breaking waves," *International Journal of Polar and offshore Engineering*. Vol. 19, No. 1, pp.15-22. (Invited, **best student paper award** in ISOPE 2008) (SCI)

C. Conference papers

International conference

1. **Z. C. Huang** and T. N. Ly (2022) "Field observations of turbulence and suspended sediments over an intertidal reef," International Conference on Coastal Engineering, Sydney. 12/4/12/9. (Oral)
2. T. N. Ly and **Z. C. Huang** (2022) "Real-time monitoring of hydrodynamics and suspended sediment concentrations in a coastal reef," International Conference on Coastal Engineering, Sydney. 12/4/12/9. (Oral)
3. C. Y. Yeh, and **Z. C. Huang** (2020). "A UAV-RTK-Lidar System measurements of wave energy dissipation over a sandy beach and an algal-reef area," International Conference on Coastal Engineering, Sydney(online), 9/13-9/18. (Full papers)
4. **Z. C. Huang** (2019) "Surveys of coastal physical environment around Stone Weirs in Xinwu," The 2019 International Workshop on the Underwater Cultural Heritage of Stone Tidal Weirs, Taoyuan, 9/7 - (Oral)
5. Z. C. Huang and C. Y. Yeh (2019). Understanding the variations of sand coverage on an reef system in the intertidal zone of Taoyuan coast using airborne imagery techniques, AGU Fall meeting, San Francisco, USA. (poster)
 6. C. Y. Yeh and Z. C. Huang (2019). A UAV-RTK-Lidar System measurements of wave energy dissipation in a sandy beach and algal reef area, EGU meeting, 4/7-4/12, Vienna, Austria. (poster)
7. Khai-Jing Liew and Zhi-Cheng Huang (2018). On nearshore currents in the shallow water of Taiwan Strait, EGU meeting, Vienna, Austria. (poster)
 8. Z. C. Huang W. Y. Hsu, and Jay Yang (2018) "Observations of canopy flow structure and frictional velocity of coral colonies in DongSha Atoll," International Conference on Coastal Engineering, Baltimore, Maryland. 4/30-8/3. (Oral)

9. C. Y. Yeh, Z. C. Huang (2018). "A UAV-RTK Lidar System for Wave and Tide Measurements in Coastal Zones," *Proceedings of the 9th Chinese-German Joint Symposium on Hydraulic and Ocean Engineering, Tainan, Taiwan. (Awarded)* (Full papers)
10. Z. C. Huang, W.Y. Hsu, J. Yang (2018). "Observations of canopy flow structure and frictional velocity of coral colonies in DongSha Atoll," abstract in ICCE 2018. (Full papers)
11. Khai-Jing Liew and Zhi-Cheng Huang (2017). "A Numerical Study of Circulation in Reef System". EGU meeting, 4/23-4/28, Vienna, Austria. (poster)
12. Kuan-Yu Chen and Zhi-Cheng Huang (2017). "UAV application in coastal morphological study". EGU meeting, 4/23-4/28, Vienna, Austria. (poster)
13. Zhi-Cheng Huang, Cheng-Yang Yeh, Kuo-Hsin Tseng, and Philip L.-F. Liu (2017). "A portable UAV LIDAR system for coastal topography and sea surface measurements". EGU meeting, 4/23-4/28, Vienna, Austria. (poster)
14. Z. C. Huang (2016). "Observations of turbulent mixing in a shallow coral reef", 2016 Ocean science meeting, New Orleans, USA. (poster)
15. J. Yang, Z. C. Huang (2016). "Observations of Water Mass Flux at the North Channel of Dongsha Atoll", 2016 Ocean science meeting, New Orleans, USA. (poster)
16. Z. C. Huang (2015). "Observations of tidal currents in DongSha atoll," 海峽兩岸海洋環境監測及預報研討會, 廈門平潭, 10/29-10/31. (Oral)
17. Z. C. Huang (2015). "Vertical structure of wave-current turbulence within coral-reef colonies," EGU meeting, 4/12-4/17, Vienna, Austria. (Oral)
18. Z. C. Huang, W. T. Tsai, and P.L.F. Liu (2014). "Field observations of turbulence over a gravel beach," in *Proceedings of the 31st International Conference on Coastal Engineering*. Seoul, Korea. (EI) (Full papers)
19. Z. C. Huang, and W. T. Tsai (2014). "Field Observations of turbulence in the wave-current bottom boundary layer over an algal reef," 2014 Ocean science meeting, Honolulu, USA. (poster)
20. Z. C. Huang, and W. T. Tsai (2013). "In situ measurements of turbulent dissipation rate over an algal reef," *Proceedings of the 23rd International Polar and offshore Engineering Conference*, Anchorage, Alaska. pp. 1334-1341. (EI) (Full papers)
21. Z. C. Huang, W. T. Tsai, and K. S. Hwang, (2013). "Decomposition of turbulent fluctuations under spectral waves using least-square difference filtering techniques," *Proceedings of the 12nd Asian Symposium on Visualization*, Tainan, Taiwan. (Full papers)
22. Z. C. Huang (2013). "Field measurements of turbulence properties over an algal reef," 2013 EAGER Workshop. (Oral)
23. Z. C. Huang (2013). "Studies on coastal boundary layer flow: the past and the future," 2013 ECOAST Workshop. (Oral)
24. Z. C. Huang, K. S. Hwang, L. Lenain, W. K. Melville, H. H. Hwung (2012). "Measurements of surface kinematics and temperature in the surf and swash zones using infrared image velocimetry," *Proceedings of the 30th International Conference on Coastal Engineering*. Santander, Spain. (EI) (Full papers)
25. K. S. Hwang, Z. C. Huang, W. Y. Hsu, H. H. Hwung, (2011). "Vortex generation by solitary waves propagating over a barrier," 11th International Conference on Fluid Control, Measurements and Visualization,

Keelung, Taiwan. Paper number 138. (Full papers)

26. Y. T. Wu, S. C. Hsiao, Z. C. Huang and K. S. Hwang, (2011). "Interaction of a solitary wave and a bottom-mounted barrier: experiment and RANS modeling," *Proceedings of the 6th International Conference on Coastal Structure*. Yokohama, Japan. (Full papers)
27. K. S. Hwang, Z. C. Huang, H. H. Hwung and K. A. Chang, (2010). "Unstable vorticities induced by solitary wave," *Proceedings of the 10th Asian Symposium on Visualization*, India. (Full papers)
28. H. H. Hwung, Z. C. Huang and S.C. Hsiao (2008). "Oblique descending eddies generated by surf-zone breaking wave," *Proceedings of the 8th International Conference on Hydrodynamics*, Nantes, France. pp. 317-327. (Full papers)
29. H. H. Hwung and Z. C. Huang (2008). "Transfer and dissipation of wave energy under surf-zone breaking waves," *Proceedings of the 8th International Conference on HydroScience and Engineering.*, Nagoya, Japan, IAHR. Vol. 8, pp. 2333-2342. (Full papers)
30. Z. C. Huang and H. H. Hwung (2008). "Measurement of the near-bed turbulence in a laboratory surf zone," *Proceedings of the 8th International Conference on HydroScience and Engineering*, Nagoya, Japan, IAHR. Vol. 8, pp. 667-675. (Full papers)
31. Z. C. Huang, S. C. Hsiao and H. H. Hwung (2008). "Observation of the coherent turbulent structure under breaking wave," *Proceedings of the 18th International Polar and offshore Engineering Conference*, Vancouver, Canada. pp. 256~263. **(EI, Best student paper award)** (Full papers)
32. H. H. Hwung and Z. C. Huang (2008). "The near-bed mass transport under surf-zone spilling breakers," *Proceedings of the 18th International Polar and offshore Engineering Conference*, Vancouver, Canada. pp. 678-683. **(EI)** (Full papers)
33. Z. C. Huang and H. H. Hwung, (2007). "Local properties of wave modulation observed by wavelet analysis," *Proceedings of the 17th International Polar and offshore Engineering Conference*, Lisbon, Portugal, Vol.3, pp. 2000-2006. **(EI)** (Full papers)
34. Z. C. Huang, H. H. Hwung and W. Y. Hsu, (2007). "The surface image of flow structure in a gentle spilling breaker," *Proceedings of the 9th Asian Symposium on Visualization*, Hong Kong. IASV0081-001. **(invited paper)** (Full papers)
35. H. H. Hwung, Z. C. Huang, and K. S. Hwang (2006). "The investigation on the evolution of submerged sand bars," *Proceedings of the 30th International Conference on Coastal Engineering.*, ASCE, San Diego, USA, Vol.3, pp. 2726-2736. **(EI)** (Full papers)
 36. Z.C. Huang, H.H. Hwung and W.Y. Hsu (2006). "The velocity field in surf zone from mosaic PIV measurements," The 11th Annual Conference of the Pacific Congress on Marine Science and Technology, Yangon, Myanmar. (First place of presentation in the student poster session) (poster)

Domestic conference

1. Y. R. Lan, Z. C. Huang (2022) "Influence of LNG sea port on the flow and wave fields in Taoyuan coast based on an unstructured-grid numerical model". (Full papers)
2. T.T.V. Nguyen, Z. C. Huang (2022). "Estimation of the turbulent characteristics using ADCP in the intertidal reef region" (Full papers)
3. Y. C. Lin, Z. C. Huang (2022). "Preliminary study on identification of algae-reef areas using supervised classification methods in Taoyuan coast" (Full papers)
4. 陳氏玲慈、黃志誠 (2021) "Detection of bottle marine debris on Dayuan beaches using unmanned aerial vehicles and machine learning techniques," Proceedings of the 43th Ocean Engineering Conference in Taiwan. (Full papers)
5. L.T. Nguyen, Z.C. Huang (2021). "Variability of Suspended Sediment in the Intertidal Zone with the Presence of Bottom Algal Reef," Proceedings of the 43th Ocean Engineering Conference in Taiwan. (Full papers)
6. T.T.V. Nguyen, Z.C. Huang (2021). "Observation of Wind Influences on Near-Surface Turbulence in the Coastal Area," Proceedings of the 43th Ocean Engineering Conference in Taiwan. (Full papers)
7. 林立昌、黃志誠、葉正陽、許嘉麟 (2021) "應用無人機空拍技術於桃園海岸帶的調查," 第 43 屆海洋工程研討會。 (Full papers)
8. 黃志誠、葉正陽、周柏皓、鄧鑄源、劉孟樵 (2021). "桃園海岸潮間帶礁體棲地的監測:無人機影像的應用," 第 43 屆海洋工程研討會。 (Full papers)
9. 藍亦汝、黃志誠 (2021). "以非結構性網格模式探討三接港於桃園海岸之影響," 第 43 屆海洋工程研討會。 (Full papers)
10. 林伯謙、黃志誠、沈彥豪、鄧鑄源 (2021). "桃園海岸垃圾密度調查之探討," 第 43 屆海洋工程研討會。 (Full papers)
11. 劉孟樵、黃志誠、王雅慧 (2021). "桃園新屋石滬無人空拍機調查分析," 第 43 屆海洋工程研討會。 (Full papers)
12. G. H. Lin, Z. C. Huang (2020). "Field survey and analysis of marine debris along Taoyuan coast" (Full papers)
13. C.Y. Yeh, Z.C. Huang (2019). "A UAV-RTK-Lidar System Measurements of Wave Energy Dissipation over a Sandy Beach and an Algal-reef Area," *Proceedings of the 41th Ocean Engineering Conference in Taiwan*, pp. 66-71. (Full papers)
14. C.Y. Yeh, Z.C. Huang (2019). "A UAV-RTK-Lidar System measurements of wave energy dissipation in a sandy beach and an algal reef area," 2019 海洋科學年會暨第十二屆海峽兩岸海洋科學研討會, 201905, Taipei. (Oral)
15. Z.C. Huang, C.Y. Yeh, 林立昌 (2019). "Observations of variation of sand coverage on algal reefs in the intertidal zone of Taoyuan coast using airborne imagery techniques," 2019 海洋科學年會暨第十二屆海峽兩岸海洋科學研討會, 201905, Taipei. (in Chinese) (Oral)
16. 卞家緯、林冠宏、黃志誠, (1121-1122, 2019), 桃園地區海岸線海漂垃圾分布情況及管理之研究, 第 41 屆海洋工程研討會, 台南。 (poster)
17. P. C. Lin, Z. C. Huang (2018). "Seasonal variation of nearshore currents along Taoyuan coast" (Full papers)
18. 黃志誠 (2018), A UAV-RTK-lidar system for wave and tide measurements in coastal zones, 台灣海洋科學年會, 201805。 (Oral)

19. C.Y. Yeh, Z.C. Huang, (2018). "Measurement of waves using unmanned aerial vehicle," *the 40th Ocean Engineering Conference in Taiwan*. (poster)
20. C.Y. Yeh, Z.C. Huang, (2018). "Application of UAV-RTK Lidar System," *the 2018 Ocean Sciences Conference*, Taipei, Taiwan. **(Awarded)** (poster)
21. 楊杰、黃志誠、許文陽 (2017), 不均勻珊瑚礁分佈對冠層附近流場結構之影響, *the 39th Ocean Engineering Conference in Taiwan*。 (Full papers)
22. 廖凱芹、黃志誠 (2017), 桃園海岸近岸之數值模擬, *the 39th Ocean Engineering Conference in Taiwan*。 (Full papers)
23. 黃志誠(2017), Observations of form-drag dissipation around dense and sparse coral colonies。台灣海洋科學年會, 201705。 (Oral)
24. C.Y. Yeh, Z.C. Huang, (2017). "Applications of UAV-RTK Lidar System," *the 39th Ocean Engineering Conference in Taiwan*. (poster)
25. 黃志誠 (2016), Dissipation of colony-scale turbulent wakes in a shallow coral reef, 台灣海洋科學年會。 (Oral)
26. 黃志誠, (2015), 波流作用下珊瑚礁叢集區的紊流垂直結構, 台灣海洋科學年會, (4/30-5/01, 2015), 高雄。 (Oral)
27. Z. M. Lin, Z. C. Huang (2014). "Spectral wave dissipation over an algal reef"(Full papers)
28. 黃志誠, (11/10, 2014), 珊瑚礁叢集間渠道的紊流垂直分佈特性, 第二屆海峽兩岸海岸科學與可持續發展學術研討會海洋兩岸研討會, 中山大學。 (Oral)
29. 黃志誠, (4/28-4/30, 2014), 南灣後壁湖裙狀珊瑚礁內的紊流現場觀測, 台灣海洋科學年會, 台北台灣大學。 (Oral)
30. 許鴻儒、林則名、黃志誠、賴堅戌, (2013), 藻礁區的波浪消散特性. 第 35 屆海洋工程研討會。 (Full papers)
31. 黃志誠, (6/14-6/16, 2013), 藻礁區波浪衰減之觀察研究, 第五屆海峽論壇海峽兩岸海洋科技研討會, 廈門。 (Oral)
32. 黃志誠, (5/14-5/16, 2013), 藻礁區海洋底部邊界層的紊流特性, 台灣海洋科學年會, 桃園龍潭。 (Oral)
33. 黃志誠, (11/12-11/13, 2012), 桃園觀音藻礁的紊流觀測, 第四屆海峽兩岸海洋環境監測及預報技術研討會, 金門。 (Oral)
34. 黃志誠、蔡武廷、曾若玄、樊同雲, (4/10-4/11, 2012), 淺水珊瑚礁潟湖的紊流消散率觀測, 台灣海洋科學年會, (4/10-4/11, 2012), 高雄。 (Oral)
35. H. H. Hwung, Z. C. Huang and C. H. Pao (2007). "Experimental study of the near-bed flow in surf zone," *Proceedings of the 29th Ocean Engineering Conference in Taiwan*, pp. 265-270. (Full papers)
36. H.H. Hwung, Z.C. Huang, W.Y. Hsu and K.S. Hwang, (2006). "The characteristics of two phase flow of boundary in surf and swash zone (1/3)," *Proceedings of the 28th Ocean Engineering Conference in Taiwan*, pp. 123-128. (in Chinese) (Full papers)
37. H.H. Hwung, C.C. Lai and Z.C. Huang (2006). "Experimental study of sand bar disposition on sloping bottom," *Proceedings of the 28th Ocean Engineering Conference in Taiwan*, pp. 645-650. (in Chinese) (Full papers)

papers)

38. H.H. Hwung, Y.X. Wu and Z.C. Huang (2005). "The evolution of nonlinear wave components on sloping bottom," *Proceedings of the 27th Ocean Engineering Conference in Taiwan*, pp. 335-341. (in Chinese) (Full papers)
39. H.H. Hwung, Z.C. Huang, K.S. Hwang, C.C. Lai and C.M. Chang, (2005). "The Optimal Installation of Offshore Submerged Breakwater on the Prevention of Beach Erosion (III)," *Proceedings of the 27th Ocean Engineering Conference in Taiwan*, pp. 926-932. (in Chinese) (Full papers)
40. H.H. Hwung, Z.C. Huang and K.S. Hwang, (2004). "The Optimal Installation of Offshore Submerged Breakwater on the Prevention of Beach Erosion (II)," *Proceedings of the 26th Ocean Engineering Conference in Taiwan*, pp. 623-630. (in Chinese) (Full papers)
41. H.H. Hwung, Z.C. Huang, K.S. Hwang and R.Y. Yang, (2003). "The optimal installation of offshore submerged breakerwater on the prevention of beach erosion (I)," *Proceedings of the 25th Ocean Engineering Conference in Taiwan*, pp.413-420. (in Chinese) (Full papers)

D. Others

Non-refereed journal papers

1. 黃志誠(2012)，珊瑚礁水動力學研究發展的近況，自然科學簡訊第二十四卷第一期，頁 23-26。
2. H. H. Hwung* and Z. C. Huang, (2007). "The optimal installation of offshore submerged breaker on the prevention of beach erosion (3/3)," *Engineering Science and Technology Bulletin*, NSC, Vol. 2. pp. 18-21. (in Chinese)