

江支弘 簡歷

朝陽科技大學航空機械系、營建工程系教授合聘教授兼航空學院院長

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學歷：台灣大學工學士、美國科羅拉多大學機械系固體力學組博士。

經歷：朝陽技術學院註冊組主任、教務長、朝陽科技大學研究發展委員會執行長、教務長、副校長、航空機械系主任

研究領域：土木結構非破壞檢測、紅外線熱像法、混凝土火害、超音波

專業服務：國際期刊 NDT&E International **土木類執行編輯**

國際期刊編審(NDT&E International 等 6 種)；

中國土木水利學會非破壞檢測委員會副主任委員、講員；

台灣非破壞檢測協會常務董事、學術委員會召集人、授證管理委員會副主任委員、主任委員，參與非破壞檢測人員 ISO 9712 授證體系之修訂與推動

第 15 屆非破壞檢測研討會論文組主任委員。

榮譽：

- 受邀加入『非破壞研究中心世界聯盟』World Federation of NDE Centers (WFNDEC)，並三度出席該聯盟年度會議(2015、2016、2017 年)。
- 擔任第 18~20 屆非破壞檢測技術研討會暨台灣非破壞檢測協會年會大會主席 (2016、2018、2020 年)
- 2017 年 11 月獲選為亞太非破壞聯盟理事 APFNDDT Board member 任期四年。
- 獲邀參加 JTNDT (2021 年 9 月 24 日) 並發表演講 (<https://www.jtndt2021.org/>)

著作：最近 5 年發表期刊論文 6 篇、技術報告 6 篇、研討會論文 24 篇

產學與研究計畫：最近 5 年主持科技部暨民間委託專案計畫共 12 件。

Chih-Hung Chiang, PhD.

Joint Professor, Dept. Construction Engineering and Dept. Aeronautical Engineering, Chaoyang University of Technology

Former Director, Center for NDT, Chaoyang University of Technology

1) General Information

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- Email: chiangc@cyute.edu.tw
- Phone: +886-4-23323000 ext. 4248/7871

2) Academic Background and Degrees

- B.S. Mechanical Engineering, National Taiwan University
- PhD. Solid Mechanics, Mechanical Engineering, University of Colorado – Boulder
- Research interests: Structural health monitoring for civil structures,, NDT for civil structures and composite materials; Infrared thermography; Ultrasonics; Concrete and fire;

3) Professional Services

- Subject Editor for Civil Structures and Construction Materials, *NDT&E International*, a Elsevier Journal
- Member of Board of Directors, The Society of Nondestructive Testing and Certification of Taiwan
- Elected Board member, Asia-Pacific Federation for Nondestructive Testing
- Reviewers for ACI Materials Journal, NDT&E International, Journal of Mechanics, Automation in Construction, Journal of the Chinese Institute of Civil and Hydraulic Engineering, and International Journal of Applied Science and Engineering

4) Selected Publications

- Chih-Hung Chiang*, Hung-Yu Tao, Yung-Chiang Lin (2021) Transient thermal analysis of layered media based on thermal quadrupoles. *International Journal of Applied Science and Engineering* 18:3 (Scopus) (DOI: 10.6703/IJASE.202106_18(3).001)
- Lin, Y-C., Chiang, C-H., Yu, C-P., Kumar, D., Hsu, K-T. (2021) Application of DIC method to modal vibration study for structure health monitoring of WT tower. *International Journal of Applied Science and Engineering* 18:3 (Scopus) (DOI: 10.6703/IJASE.202106_18(3).003)

- Yung-Chiang Lin, Chih-Hung Chiang*, Chih-Peng Yu, Keng-Tsang Hsu (2020) Deterministic deterioration modeling of wind turbines toward the failure identification – a modal curvature approach, *Journal of Structural Integrity and Maintenance*, 5:2, 104-112, (DOI: 10.1080/24705314.2020.1729518) (Scopus)
- Huang, Y., Shih, P., Hsu, K.-T., Chiang, C.-H. (2020) To identify the defects illustrated on building facades by employing infrared thermography under shadow, *NDT & E International*, 111 (DOI: 10.1016/j.ndteint.2020.102240) (SCI)(Scopus)
- Chih-Hung Chiang*, Keng-Tsang Hsu, Chih-Peng Yu, Chia-Chi Cheng, Jie-Zhen Pan (2018) “Remote measurements and vibration analyses of existing wind turbines,” *Journal of Testing and Evaluation*, 47: 3, 2193-2206 (DOI: 10.1520/JTE20180025) (SCI)(Scopus)
- Chan, C. C-K., Kumar, D., Chiang, C-H. (2021) “Coarse and fine localized CNN classifier for intelligent DIC preprocessing in large structure health monitoring sample”, *Proceedings of SPIE - The International Society for Optical Engineering*, 11592, art. no. 115920L (DOI: 10.1117/12.2584023) (Scopus)
- Kumar, D., Chiang, C-H.*, Lin, Y-C. (2021) “Identification and correlation of natural patterns using a hybrid BRISK-DIC method”, *Proceedings of SPIE - The International Society for Optical Engineering*, 11592, art. no. 115920K (DOI: 10.1117/12.2584776) (Scopus)
- Kumar, D., Chiang, C-H. (2021) “In-house digital image correlation technique for large structures”, *AIAA Scitech 2021 Forum*, pp. 1-10 (Scopus)