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1) General Information

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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)