

## CURRICULUM VITAE [July 2021]

Professor Jin Yeu TSOU  
Raymond Hu Professor of Architecture, City University of Hong Kong  
Professor, Department of Architecture and Civil Engineering, City University of Hong Kong  
Chairman, China Green Building (Hong Kong) Council



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## Qualifications/Experiences

### Academic Qualifications

Doctor of Architecture in Computer-Aided Architecture Design, The University of Michigan  
Master of Architecture, University of Michigan

### Professional Qualifications

Senior Fellow, Architectural Society of China, PRC  
Fellow, China Academy of Urban Planning and Design  
Member, China Green Building Council, PRC  
Green Building Label Manager, China Green Building Council, PRC  
Member, CSUS Committee of Experts on Green Building Assessment, Chinese Society for Urban Studies, PRC

### Professional Experience

Honorary Advisor, Center for Housing Innovations, CUHK, 2019.10 – current  
Programme Director, MSc. Housing Studies, Faculty of Social Science, CUHK, 2014 – 2020  
Programme Director, MSc. Advanced Environmental Planning Technologies, Faculty of Social Science, CUHK, 2011 – 2020  
Director, Center for Housing Innovations, CUHK, 12/1998-09/2019  
Professor, School of Architecture, CUHK, 2009 – 09/2019

## Services outside CityU

### Professorship

Emeritus Professor, School of Architecture, The Chinese University of Hong Kong  
Honorary Professor in Graz University of Technology (TU Graz), invited by the Chancellor of TU Graz

### International Conference / Professional Societies

Board of Director & Reviewer, International Society for Computing in Civil and Building Engineering (ISCCBE)  
Academic Member, International Real Estate Federation (FIABCI) East Asia Multinational Chapter  
Judge, The FIABCI World Prix d'Excellence Awards  
Distinguished Fellow & Board of Supervisor, International Forum on Urbanism (IFoU)  
Board of Director, Computer Aided Architectural Design in Asia (CAADRIA)  
Member, Australian Urban Research Infrastructure Network (AURIN) Technical Committee  
Member, International Journal of Architectural Computing(IJAC)  
Member, Association of the Database Standard Committee of the Council on Tall Buildings and Urban Habitat, USA  
Chairman, China Urban Housing Conference (CUHC)

### National Professional Societies

Former Advisory Member, the Committee of Science & Technology, Ministry of Housing and Urban-Rural Development (MoHURD), PRC  
Honorary Advisor, National Smart City Joint Labs (CSUS, MOHURD, PRC)  
Expert, 2022 Winter Olympics Engineering and Construction

### Regional Professional Societies

Co-Founder, Chairman and Fellow, China Green Building (Hong Kong) Council  
Chairman and Board Member, Green Building Certification Board of China Green Building (Hong Kong) Council  
Chairman, Council for Green Building Evaluation Research in Taiwan  
Reviewer, Public Policy Research (PPR) Funding Scheme, Policy Innovation and Co-ordination Office (PICO), Hong Kong SAR, PRC

Expert Team, The XPLOER PRIZE  
Board of Director, Foundation of Greater China Wisdom  
Honorary Advisor, Smart City Consortium  
Committee Member, Cross-Straits Area Urban Pension Alliance  
Expert Member of Committee, Guangzhou Nansha New District Urban Planning Committee  
Foreign Committee Member, Guangdong Provincial Science and Technology Association  
Committee Member, Urban Development Research Center, East China Normal University Institute  
Founding Member and the Strategic Partnership of the Environmental Design Studies for Public Housing Development with the Hong Kong Housing Authority  
Member, International Cold Climate Housing Association  
Board of Director and Member, China Center for International Economic Exchanges  
Board Member, Expert Consultative Committee for Tianjin Historical Building Projects  
Distinguished Advisor for the Development of Nanhai Town

### ***Research Institute***

Founding Director, Center for Housing Innovations

## **Research Interests/Areas**

Housing studies, design approach for ageing and gender topics; performance-based design technology, interdisciplinary collaborative planning and design methods, green building technology and evaluation.

## **Research outputs**

Chen, F., & Tsou, J. Y. (2021). DRSNet: Novel Architecture for Small Patch and Low-resolution Remote Sensing Image Scene Classification. *International Journal of Applied Earth Observation and Geoinformation*, 104, [102577]. <https://doi.org/10.1016/j.jag.2021.102577>

Yang, Y., Zhang, Y., Liang, X. S., Cheng, Q., & Tsou, J. Y. (2021). Evolution of Arctic Ocean surface circulation from 1958 to 2017. *Global and Planetary Change*, 206, [103638]. <https://doi.org/10.1016/j.gloplacha.2021.103638>

Ji, C., Zhang, Y., Cheng, Q., & Tsou, J. Y. (2021). Investigating Ocean Surface Responses to Typhoons Using Reconstructed Satellite Data. *International Journal of Applied Earth Observation and Geoinformation*, 103, [102474]. <https://doi.org/10.1016/j.jag.2021.102474>

Feng, J., Zhang, Y., Cheng, Q., Wong, K., Li, Y., & Tsou, J. Y. (2021). Effect of Melt Ponds Fraction on Sea Ice Anomalies in the Arctic Ocean. *International Journal of Applied Earth Observation and Geoinformation*, 98, [102297]. <https://doi.org/10.1016/j.jag.2021.102297>

Yao, Y., Zhang, Y., Yao, T., Wong, K., Tsou, J. Y., & Zhang, Y. (2021). A GIS-Based System for Spatial-Temporal Availability Evaluation of the Open Spaces Used as Emergency Shelters: The Case of Victoria, British Columbia, Canada. *ISPRS International Journal of Geo-Information*, 10(2), [63]. <https://doi.org/10.3390/ijgi10020063>

邹经宇, & 陈兴利 (2021). 建筑外墙不同形式的人工垂直绿化及其效用. *建材发展导向*, 19(4 (总第329期)), 34-35. <https://doi.org/10.16673/j.cnki.jcfzdx.2021.0016>

Chen, F., & Tsou, J. Y. (Accepted/In press). Mapping Urban Form and Land Use with Deep Learning Techniques: A Case Study of Dongguan City, China. *International Journal of Oil, Gas and Coal Technology*. <https://doi.org/10.1504/IJOGCT.2021.10036107>

陈兴利, & 邹经宇 (2020). 旧建筑绿色改造及其运行机制. *住宅与房地产*, 2020年(35 (总第596)), 162, 188.

ZHU, H., & TSOU, J. Y. (2020). CREATING CYBERSPACE TO EMPOWER HEALTH AND SOCIOLOGICAL RESILIENCE THROUGH INNER-CITY FRINGE COMMUNITIES' MICROTRANSFORMATION. In W. DING, Z. LUO, H. HUANG, & L. ZHOU (Eds.), *Urbanism in the Mobile Internet Era: Proceedings of the 13th Conference of the International Forum on Urbanism* (pp. 58-71). International Forum on Urbanism.

ZORDAN, M., & TSOU, J. Y. (2020). MASS TRANSITIONAL USES OF PUBLIC OPEN SPACES UNDER THE SPREAD OF COVID-19 AND THE SUPPORT OF VIRTUAL INFRASTRUCTURES: A CALL FOR FUTURE CITIES DESIGN AND PLANNING. In W. DING, Z. LUO, H. HUANG, & L. ZHOU (Eds.), *Urbanism in the Mobile Internet Era: Proceedings of the 13th Conference of the International Forum on Urbanism* (pp. 379-389). International Forum on Urbanism.

Chen, Z., Fei, X., Gao, X., Wang, X., Zhao, H., Wong, K., Tsou, J. Y., & Zhang, Y. (2020). The Influence of CLBP Window Size on Urban Vegetation Type Classification Using High Spatial Resolution Satellite Images. *Remote Sensing*, 12(20), [3393]. <https://doi.org/10.3390/rs12203393>

Lu, X., Zhang, S., Tian, Y., Li, Y., Wen, R., Tsou, J., & Zhang, Y. (2020). Monitoring *Suaeda salsa* Spectral Response to Salt Conditions in Coastal Wetlands: A Case Study in Dafeng Elk National Nature Reserve, China. *Remote Sensing*, 12 (17), [2700]. <https://doi.org/10.3390/rs12172700>

Zordan, M., & Tsou, J. Y. (2020). Urban Transitions in Pandemic Scenarios: Insights from Hong Kong. *Journal of ASIAN Behavioural Studies*, 5(17), 55-70. <https://doi.org/10.21834/jabs.v5i17.376>

Zhong, J. D., Sara, M. C. C., & Tsou, J. Y. (2020). ESTABLISHING A PREDICTION MODEL FOR BETTER DECISION MAKING REGARDING URBAN GREEN PLANNING IN A HIGH-DENSITY URBAN CONTEXT. In D. Holzer, W. Nakapan, A. Globa, & I. Koh (Eds.), *RE: Anthropocene, Design in the Age of Humans: Proceedings of the 25th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2020)* (Vol. 1, pp. 517-526). The Association for Computer-Aided Architectural Design Research in Asia (CAADRIA).

Liu, Y., Zhang, Y., Cai, J., & Tsou, J. Y. (2020). Analyzing the Effects of Sea Surface Temperature (SST) on Soil Moisture (SM) in Coastal Areas of Eastern China. *Remote Sensing*, 12(14), [2216]. <https://doi.org/10.3390/rs12142216>

Zordan, M., & Tsou, J. Y. (2020). Behavioural Contagion in Hong Kong Urban Space under Mass Psychological Distress. In M. Y. Abbas, R. M. A. El-Zeiny, M. A. Kamal, P. Atmodiwirjo, M. Bisadi, R. Gy Hashim, H. Zhang, & C. C. Turkyilmaz (Eds.), *Environment-Behaviour Proceedings Journal* (pp. 303-310). (Environment-Behaviour Proceedings Journal; Vol. 5, No. 14). <https://doi.org/10.21834/ebpj.v5i14.2161>

LUO, W. J., MA, X. C., MENG, C. Y., XU, L. J., TSOU, J. Y., YANG, S. L., & MAO, Z. C. (2020). Carbon emission modeling and analysis of building materialization process. *IOP Conference Series: Earth and Environmental Science*, 531 , [012049]. <https://doi.org/10.1088/1755-1315/531/1/012049>

Yang, G., Chao, S., Tsou, J. Y., & Zhang, Y. (2019). Satellite Image-Based Methods of Spatiotemporal Analysis on Sustainable Urban Land Use Change and the Driving Factors: A Case Study in Caofeidian and the Suburbs, China. *Sustainability (Switzerland)*, 11(10), [2927]. <https://doi.org/10.3390/su11102927>

An, Y., Tsou, J. Y., Wong, K., Zhang, Y., Liu, D., & Li, Y. (2018). Detecting Land Use Changes in a Rapidly Developing City during 1990–2017 Using Satellite Imagery: A Case Study in Hangzhou Urban Area, China. *Sustainability (Switzerland)*, 10(9), [3303]. <https://doi.org/10.3390/su10093303>

Tsou, J. Y., Li, X., Tsou, K., He, J., & Pan, D. (2018). Detect Relationship Between Urban Housing Development and Urban Heat Island Dynamic in Hyper-density Hong Kong by Integrating GIS and RS Techniques. In I. F. C. Smith, & B. Domer (Eds.), *Advanced Computing Strategies for Engineering: 25th EG-ICE International Workshop 2018 Proceedings* (pp. 535-553). (Lecture Notes in Computer Science (including subseries Information Systems and Applications, incl. Internet/Web, and HCI); Vol. 10863). Springer Nature. [https://doi.org/10.1007/978-3-319-91635-4\\_28](https://doi.org/10.1007/978-3-319-91635-4_28)

Ji, C., Zhang, Y., Cheng, Q., Tsou, J., Jiang, T., & Liang, X. S. (2018). Evaluating the impact of sea surface temperature (SST) on spatial distribution of chlorophyll-*a* concentration in the East China Sea. *International Journal of Applied Earth Observation and Geoinformation*, 68, 252-261. <https://doi.org/10.1016/j.jag.2018.01.020>

Wang, M., Fei, X., Zhang, Y., Chen, Z., Wang, X., Tsou, J. Y., Liu, D., & Lu, X. (2018). Assessing Texture Features to Classify Coastal Wetland Vegetation from High Spatial Resolution Imagery Using Completed Local Binary Patterns (CLBP). *Remote Sensing*, 10(5), [778]. <https://doi.org/10.3390/rs10050778>

Zhang, Y., Huang, Z., Fu, D., Tsou, J. Y., Jiang, T., Liang, X. S., & Lu, X. (2018). Monitoring of chlorophyll-a and sea surface silicate concentrations in the south part of Cheju island in the East China sea using MODIS data. *International Journal of Applied Earth Observation and Geoinformation*, 67, 173-178. <https://doi.org/10.1016/j.jag.2018.01.017>

Zhang, Y., Duan, H., Xi, H., Huang, Z., Tsou, J., Jiang, T., & Liang, X. S. (2018). Evaluation of the Influence of Aquatic Plants and Lake Bottom on the Remote-Sensing Reflectance of Optically Shallow Waters. *Atmosphere - Ocean*, 56(4), 277-288. <https://doi.org/10.1080/07055900.2018.1454295>

Wang, H., Zhang, Y., Tsou, J. Y., & Li, Y. (2017). Surface Urban Heat Island Analysis of Shanghai (China) Based on the Change of Land Use and Land Cover. *Sustainability (Switzerland)*, 9(9), [1538]. <https://doi.org/10.3390/su9091538>

鄒經宇, & 李響 (2017). 公營房屋. In 張妙清, & 趙永佳 (Eds.), 香港特區二十年 (pp. 311-340). Hong Kong Institute of Asia-Pacific Studies, Chinese University of Hong Kong.

邹经宇, 李秉仁, 孙一民, & 龚兆先 (Eds.) (2017). 第十二届中国城市住宅研讨会论文集: 可持续高密度人居环境建设的智慧化与创新. China Architecture & Building Press.

Wong, K., Zhang, Y., Tsou, J. Y., & Li, Y. (2017). Assessing Impervious Surface Changes in Sustainable Coastal Land Use: A Case Study in Hong Kong. *Sustainability (Switzerland)*, 9(6), [1029]. <https://doi.org/10.3390/su9061029>

Tsou, J. Y., Gao, Y., Zhang, Y., Sun, G., Ren, J., & Li, Y. (2017). Evaluating Urban Land Carrying Capacity Based on the Ecological Sensitivity Analysis: A Case Study in Hangzhou, China. *Remote Sensing*, 9(6), [529]. <https://doi.org/10.3390/rs9060529>

Tsou, J., Zhuang, J., Li, Y., & Zhang, Y. (2017). Urban Heat Island Assessment Using the Landsat 8 Data: A Case Study in Shenzhen and Hong Kong. *Urban Science*, 1(1), [10]. <https://doi.org/10.3390/urbansci1010010>

Zhang, Y., Li, Y., Liang, X. S., & Tsou, J. (2017). Comparison of Oil Spill Classifications Using Fully and Compact Polarimetric SAR Images. *Applied Sciences (Switzerland)*, 7(2), [193]. <https://doi.org/10.3390/app7020193>

## Prizes

### Best Paper Award Category Future City and Design

ZORDAN, Mirna (Recipient) & TSOU, Jin Yeu (Recipient), Oct 2020

### Best Paper Award Category Urbanization in the Mobile Internet Era

ZHU, H. (Recipient) & TSOU, Jin Yeu (Recipient), Oct 2020

### 中國城市科學研究會綠色建築與節能專業委員會2019年度先進個人

TSOU, Jin Yeu (Recipient), 26 Aug 2020

### Sasada Award

TSOU, Jin Yeu (Recipient), 2016

### 全國優秀工程諮詢成果一等獎

TSOU, Jin Yeu (Recipient), Dec 2009

## Editor or Editorial Membership

*Proceedings of China Urban Housing Conference*

- Chair of Editorial Board, The 12th China Urban Housing Conference, 06/2016-07/2017
- Chair of Editorial Board, The 11th China Urban Housing Conference, 06/2014-07/2015
- Chair of Editorial Board, The 10th China Urban Housing Conference, 06/2012-07/2013
- Chair of Editorial Board, The 9th China Urban Housing Conference, 06/2010-07/2011
- Chair of Editorial Board, The 8th China Urban Housing Conference, 06/2008-09/2009
- Chair of Editorial Board, The 7th China Urban Housing Conference, 06/2007-09/2008
- Chair of Editorial Board, The 6th China Urban Housing Conference, 03/2006-03/2007
- Chair of Editorial Board, The 5th China Urban Housing Conference, 11/2004-11/2005
- Chair of Editorial Board, The 4th China Urban Housing Conference, 09/2003-09/2004
- Chair of Editorial Board, The 3rd China Urban Housing Conference, 07/2002-07/2003

**Others**

- Advisor for Standard for Urban Residential Area Planning and Design (GB 50180), 05/2019-05/2020
- Advisor & Editor for the Assessment Standard for Green Building (Hong Kong Version) (GB/T 50378-2019), since 10/2019
- Self-Sustainable Eco-Village, 12/2015-03/2016
- Vice-chairman of the "China Green Low-Carbon Innovations" Editorial Board, China Architectural Culture Center, MOHURD, PRC
- Vice President, Design Community, School of Architecture, Tsinghua University, since 11/2013
- PC Member of Program Committee, Computer-Aided Architectural Design Futures 2013, 09/2012-03/2013
- Chair of Editorial Board, CAAD Futures, 2005
- Member of Editorial Board, Housing in the Special Economic Zones: A Preliminary Study of Housing Provision and Conditions in Shenzhen, 1997