

Zhang Meng Ting



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Teaching and Research Area:

Interstellar Living
Design for Future Mobility
User Experience, Innovation & Entrepreneurship

Academic Qualifications

Ph.D / School of Design / The Hong Kong Polytechnic University

Teaching Experiences

Assistant Professor / Faculty of Humanities and Arts / Macau University of Science and Technology

Research Associate / School of Design / The Hong Kong Polytechnic University

Visiting Lecture / School of Design / The Hong Kong Polytechnic University

Academic Service

Chair	Value of User Experience Session, International Conference on Human Computer Interaction (HCII)
Track Co-Chair	Academic Design Management Conference (DMI)
Committee Member	International Association of Societies of Design Research Conference (IASDR)
Member of the	Ministry of Education Virtual Teaching and Research Office for

Expert Pool	“Reform of the Talent Training Model for Product Design”
Member	Ethics Committee, Macau University of Science and Technology
Judge	Milan Design Week
Reviewer	International Conference on Human Computer Interaction (HCII)
Reviewer	Academic Design Management Conference (DMI)
Reviewer	International Association of Societies of Design Research Conference (IASDR)

Publication

[1]. Chen, X., & **Zhang, M. T.** [correspondent author] (2024). Emotions: Investigating the Vital Role of Tactile Interaction. *Proceedings of International Conference on Human-Computer Interaction* (pp. 326-344). Cham: Springer Nature Switzerland.

[2]. Bo, Y.L., Xiao, J.X., Luo, M.J., **Zhang, M.T.**, Li, W.H. & Li, Z. (2024). Enhancing the Smart User Experience of Green spaces: A Study of Accessible Map for the Visually Impaired Persons. *Proceedings of International Conference on Human-Computer Interaction*. Cham: Springer Nature Switzerland.

[3]. Li, W., Xiao, J. X., & **Zhang, M. T.** [correspondent author] (2024). Optimizing Urban e-Commerce Experiences: A Cross-Cultural Interface Design Approach for Enhanced Connectivity and Consumer Engagement. *Proceedings of International Conference on Human-Computer Interaction* (pp. 219-234). Cham: Springer Nature Switzerland.

[4]. Guo, T., & **Zhang, M.T.** (2024, June). Yūgen Cloudstone Echo: Exploring Emotional Design Interaction Design in Sleep Facilitation. *Proceedings of International Conference on Human-Computer Interaction* (pp. 342-349). Cham: Springer Nature Switzerland.

[5]. Liu, J.W. & **Zhang, M.T.** [correspondent author]. (2024). Beyond Limit: A Service Design Intervention to Enhance Sustainable Awareness in Sanyang Wetland Community. *Proceedings of International Symposium on World Ecological Design (ISWED)*(pp.582-591).

[6]. Hong, N. & Wen, Y. & **Zhang M.T.** [correspondent author]. (2024). Enhancing Cognitive Engagement in the Elderly: Design of Entertaining Wearable Devices. *Proceedings of International Symposium on World Ecological Design (ISWED)*(pp.827-835).

- [7]. Dong, M., Xue, B., Xiong, W. & **Zhang, M.T.** [correspondent author]. (2024). Webpage Information Framework Design Based on Chinese Intergenerational Communication Needs. *Proceedings of International Symposium on World Ecological Design (ISWED)*(pp.955-962).
- [8]. Chen, X. & **Zhang, M.T.** [correspondent author]. (2024). "Chloe": Empathetic Design for Smart Houseplant Care Systems. *Proceedings of International Symposium on World Ecological Design (ISWED)*(pp.963-972).
- [9]. Zheng, Y., Jia, W., & **Zhang, M.T.** [correspondent author]. (2024). Enhancing Cultural Communication and Sustainability in Museum-Based Creative Products Through Digital Integration. *Proceedings of International Symposium on World Ecological Design (ISWED)*(pp.990-999).
- [10]. Zhao, S. & **Zhang, M.T.** [correspondent author]. (2024). Strategic Design for Enhanced Medical Transport Stretchers in High-Rise Residential Environments. *Proceedings of International Symposium on World Ecological Design (ISWED)*.
- [11]. Wu, X., Wang, Y., **Zhang, M.T.** [correspondent author], Li, W., Huang, G. & Lu, S. (2024). Innovating Waste Management: The Intelligent Food Recycler. *Proceedings of International Symposium on World Ecological Design (ISWED)*.
- [12]. **Zhang, M.T.**, Tang, J., Han, X., Huang, G., Xue, B., & Liu, J. (2024). Innovative Visual and Auditory Design for Revitalizing Cantonese Nursery Rhymes: A Cultural Heritage Perspective. *Proceedings of International Symposium on World Ecological Design (ISWED)*.
- [13]. Wu, X., Liu, C., **Zhang, M.T.**, Huang, G., Xiao, J. & Hong, N. (2024). Design for Optimizing Waste Classification and Recycling Practices. *Proceedings of International Symposium on World Ecological Design (ISWED)*.
- [14]. Zhang, X., & **Zhang, M. T.** [correspondent author] (2023, July). User Experience of the Portrait Mode of Smartphone: A Comparative Case Study. *In International Conference on Human-Computer Interaction* (pp. 224-238). Cham: Springer Nature Switzerland.
- [15]. Zhao, S., & **Zhang, M. T.** [correspondent author] (2023, July). I-Health-Designing a Smart Massage Product-Service System for the Sub-health Status of Young People Based on Traditional Chinese Tuina Therapy. *In International Conference on Human-Computer Interaction* (pp. 459-469). Cham: Springer Nature Switzerland.
- [16]. Liu, J., & **Zhang, M. T.** [correspondent author] (2023, July). Hypersphere-XR Design for Metaverse by Synthesizing Neuro Reality and Virtual

Reality. In *International Conference on Human-Computer Interaction* (pp. 221-230). Cham: Springer Nature Switzerland.

[17]. **Zhang, M. T.**, Shen, Y. & Salah Ali Mohamed, I. (2023). Visualizing Ocean Fragility: Glitch Art and Social Media in Marine Conservation. In *International Conference on Human-Computer Interaction* (pp. 554-561). Cham: Springer Nature Switzerland.

[18]. Jia, W. W., & **Zhang, M. T.** [correspondent author] (2023, July). Furry-Design of Augmented Reality Blind Box. *Communications in Computer and Information Science* (pp. 469-477). Cham: Springer Nature Switzerland.

[19]. Lai, M., Luo, M.J., Xiao, J.X., **Zhang, M.T.** [correspondent author] & Li, W.H. (2023). What Drives Online Redistribution Behavior: A Behavioral Decision-Making Model Based on Environmental Value Perception and Subjective Norms. *Proceedings of International Symposium on World Ecological Design (ISWED)* (pp.560-569).

[20]. Liu, X.H., **Zhang M.T.** [correspondent author] & de Bont, C. (2022). The Holistic Frame of Designing Smart, Connected Products: A Systematic Literature Review and Expert Interview, *The Design Journal*, DOI: 10.1080/14606925.2022.2058448. Taylor & Francis.

<https://www.tandfonline.com/doi/full/10.1080/14606925.2022.2058448>

[21]. **Zhang, M.T.** & de Bont, C. (2022). The Interplay of Watching, Creation, Socialization, and Monetization on TikTok. *International Journal of Ubiquitous Computing (IJUC)*, Volume (4): Issue (1) ISSN: 2180-1355

<https://www.cscjournals.org/library/manuscriptinfo.php?mc=IJUC-20>

[22]. **Zhang, M.T.** & Li, Y. (2022). Intangible Product Design Through INQUA Model: A Case Study of 1/11 Football APP. *Proceedings of Academic Design Management Conference (ADMC) 2022*. Cambridge: Design Management Institute. ISSN – 2640-4702.

[23]. **Zhang, M.T.** & Zheng, Y.T. (2022). Figure Design Based on Sichuan Opera and Chinese Literary Mythical Figures. *Proceedings of Academic Design Management Conference (ADMC) 2022*. Cambridge: Design Management Institute. ISSN – 2640-4702.

[24]. **Zhang M.T.** (2020). Smart Aroma Diffusor. In *A' Design Award - Product Winner Designs 2019-2020* (p.138). Milan: Designer Press. ISBN 978-88-97977-31-5

[25]. **Zhang, M.T.** (2018). *Towards A Comprehensive and Integrated Framework That Serves as A Basis to Describe, Stimulate and Analyze Innovation in*

Intelligent Products. Doctoral dissertation. The Hong Kong Polytechnic University.

[26]. **Zhang, M.T.** & de Bont, C. (2015). Emotional Engagement for Human-computer Interaction in Exhibition Design. *Proceedings of 17th International Conference on Human-Computer Interaction* (pp. 542-549). New York: Springer.

[27]. **Zhang, M.T.** (2014). Historic Review of Learning Curve of Innovation. In *DesignEd Asia Conference 2014*. Hong Kong: The Hong Kong Polytechnic University.

[28]. **Zhang, M.T.** (2014). An Investigation of Interactive Environment Design Constraints. In *The Proceedings of Design Research Society Conference 2014: Design's Big Debate*. Umeå: Umeå Institute of Design, Amsterdam: Elsevier.

[29]. **Zhang, M.T.** & de Bont, C. (2014). Constructing the Framework of Micro Innovation for Product Design. In *Asia Design Engineering Workshop 2014*. Taipei.

[30]. Lau, N. & **Zhang, M. T.** (2011). Interaction Design and Construction of User Experience in Portable Learning Utility Solution. *Design Principles and Practice: An International Journal*, 5 (4), 453-466. US: Common Ground Research Networks.

[31]. Lau, N. & **Zhang, M.T.** (2011). Learning Effectiveness in Design and Creativity through Multimedia Learning Framework Based on Online Virtual Environment. In *The CAL Conference Learning Futures: Education, Technology & Sustainability 2011*. UK: Elsevier.

[32]. Lau, N. & **Zhang, M.T.** (2010). Design Education towards the Second Life Platform. In *The Slactions Research Conference 2010*. UK: The University of Manchester.

Professional Award

2026



IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America

2025



IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America



IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America



IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America

2024



Excellent Supervisor Award

Asia Emerging Art and Design Competition, organized by Asia Design Week

2024



First Prize, Hong Kong Digital Art Design Competition

Organized by the Hong Kong Arts Development Association.

2024



First Prize, YAD Award

Organized by the Hong Kong Arts Development Association.

2024



iF Award

Organized by iF International Forum Design GmbH



A-Design Iron Award

Organized by Mood - Museum of Design, AoD - Association of Design, Designer Press, Design PR Wire, FD Design Faculty, Design League, Salone del Designer

2023



IDEA Gold Award

International Design Excellence Awards

Organized by Industrial Designers Society of America



G-Mark Award

Good Design Award

Organized by Japan Industrial Design Promotion Organization

2023



Singapore Art Design Competition

Excellent Supervisor Award, organized by Singapore Fine Art Research Association, International Art Development Center

2023



Best Paper Award

International Symposium on World Ecological Design, organized by World Eco-Design Organization

- 2023  **Grand Prize, Global FourC Challenge 24-Hour Design Challenge**
Organized by the United Nations Industrial Development Organization.
- 2021  **IDEA Award**
International Design Excellence Awards
Organized by Industrial Designers Society of America
-  **IDEA Award**
International Design Excellence Awards
Organized by Industrial Designers Society of America
- 2020  **G-Mark Award**
Good Design Award
Organized by Japan Industrial Design Promotion Organization
-  **A-Design Silver Award**
Organized by Mood - Museum of Design, AoD - Association of Design, Designer Press, Design PR Wire, FD Design Faculty, Design League, Salone del Designer
- 2013  **FutureArc Green Leadership Award**
Organized by BCI Asia
- 2012  **Green Building Award**
Organized by Hong Kong Green Building Council

Led and supervised teams that received more than 50 national and international design awards.

Research Grants/Projects

Professional Development Program for Teaching and Research Staff of Macao Higher Education I

Macao Foundation

Intelligent Product Innovation Model (INQUA), Macau University of Science and Technology

Foundation

Made in China 2025: The Innovation Design Strategy, The State Council of the
People's Republic of China, China Academy of Engineering

Made in China 2025: The Challenges and Opportunities of The Hong Kong Design Industry,
Hong Kong Government Policy Innovation and Co-ordination Office

Zero Carbon Building, Hong Kong Construction Council

Design-driven Innovation in China Context, Hong Kong University Grants Committee

China Nest, Hong Kong University Grants Committee

Mooco-Plus: Mobile Online Community and Portable Learning Utility Solution,
Hong Kong University Grants Committee

Social Service

Invited Guest, Macau Television / Teledifusão de Macau (TDM)

Invited Guest, Macau Design Column, Life Morning, Macau Radio

Invited Guest, Thought for Action Column, Radio Television Hong Kong (RTHK)

Moderator, International Maker Conference

Moderator, Asia Design Engineering Conference

Invited Guest, Greater Bay Area Brand Packaging Design Competition

Invited Guest, Smart Product Forum, City University of Hong Kong

Invited Guest, DesignEd Asia Forum, Hong Kong