

张梦婷



职称： 助理教授
博士生导师
学院/部门： 人文艺术学院
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教研领域

星际生存与探索设计；
未来交通工具设计；
具身交互设计；
情感体验设计；

学历

香港理工大学 / 设计学院 / 博士学位

教学经验

澳门科技大学 / 人文艺术学院 / 助理教授
香港理工大学 / 设计学院 / 副研究员
香港理工大学 / 设计学院 / 访问讲师

学术任职

国际人机交互大会 (HCII) 平行会议主席
国际设计管理大会 (DMI) 分区副主席
国际设计研究学会协会大会 (IASDR) 会议组委会委员
教育部“产品设计人才培养模式改革”虚拟教研室专家库成员
澳门科技大学 伦理委员会委员
米兰设计周 评委
国际人机交互大会 (HCII) 审稿人
国际设计管理大会 (DMI) 审稿人
国际设计研究学会协会大会 (IASDR) 审稿人

实践经历

汲需 / 设计师 / 战略顾问

香港设计中心 Hong Kong Design Center / 设计顾问

香港设计城市 Designer City / 设计师

学术成果

[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). Yügen 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.

专业奖项

2026



美国 IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America

2025



美国 IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America



美国 IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America



美国 IDEA Award

International Design Excellence Awards

Organized by Industrial Designers Society of America

2024



德国 iF Award

Organized by iF International Forum Design GmbH

		意大利 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
		亚洲 Excellent Supervisor Award Asia Emerging Art and Design Competition, organized by Asia Design Week
		香港 First Prize, Hong Kong Digital Art Design Competition Organized by the Hong Kong Arts Development Association.
		香港 First Prize, YAD Award Organized by the Hong Kong Arts Development Association.
2023		美国 IDEA Gold Award International Design Excellence Awards Organized by Industrial Designers Society of America
		日本 G-Mark Award Good Design Award Organized by Japan Industrial Design Promotion Organization
		新加坡 Singapore Art Design Competition Excellent Supervisor Award, organized by Singapore Fine Art Research Association, International Art Development Center
		Best Paper Award International Symposium on World Ecological Design, organized by World Eco-Design Organization
		联合国 Grand Prize, Global FourC Challenge 24-Hour Design Challenge Organized by the United Nations Industrial Development Organization.
2021		美国 IDEA Award International Design Excellence Awards Organized by Industrial Designers Society of America
		美国 IDEA Award International Design Excellence Awards Organized by Industrial Designers Society of America
2020		日本 G-Mark Award Good Design Award Organized by Japan Industrial Design Promotion Organization
2020		意大利 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
2013		香港 FutureArc Green Leadership Award Organized by BCI Asia
2012		香港 Green Building Award

指导团队共获 50 余项国家级与国际级设计奖项。

研究项目

澳门高等院校教研人员专业发展计划 澳门基金会
智能产品创新模型 澳门科技大学基金会
中国制造 2025：创新设计战略 国务院 中国工程院
中国制造 2025：香港设计产业的机遇与挑战 香港政府政策创新与统筹办事处
香港零碳天地 香港建造业议会
中国设计驱动创新 香港大学教育资助委员会
筑巢中国 香港大学教育资助委员会
Mooco-Plus 在线教育平台 香港大学教育资助委员会

社会服务

澳门电视台澳广视 特邀嘉宾
澳门电台生活朝点澳门设计栏目 特邀嘉宾
香港电台 Thought for Action 栏目 特邀嘉宾
国际创客大会 主持人
亚洲设计工程大会 主持人
大湾区品牌包装设计比赛 特邀嘉宾
香港城市大学 智能产品论坛 特邀嘉宾
香港设计教育亚洲论坛 特邀嘉宾