

Yao-Cheng Chan

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Research Interests

Human-Robot Interaction, Human-Robot Encounter, Human-Computer Interaction,

Education

Ph.D. in Information Studies, School of Information The University of Texas at Austin, Austin, TX, USA Committee: Elliott Hauser(chair), Jacek Gwizdka, Jakki Bailey	2020-present
M.B.A in Information Management, NSYSU, Kaohsiung City, Taiwan	2016-2018
B.B.A in Information Management, NSYSU, Kaohsiung City, Taiwan	2012-2016

Experience

Research Assistant – P.I.: Dr. Elliott Hauser, UT Austin	2022.01-present
Research Assistant – P.I.: Dr. Jacek Gwizdka, UT Austin	2021.09-2022.04
Teaching Assistant – Multiple Classes, UT Austin	2021.09-2023.05
Product Researcher - BNP Paribas Cardif – Taipei, Taiwan	2020.05-2020.12

Publication

Journals (Peer-Reviewed)

- Chien, S. Y., Chen, C. L., & **Chan, Y. C.** (2023). The Impacts of Social Humanoid Robot's Nonverbal Communication on Perceived Personality Traits. *International Journal of Human-Computer Interaction*, 1-13.
- **Chan, Y.C.**, Hauser, E., Modak, S., Biswas, J., Hart, J., (2024) "Perceived Social Intelligence and Human Compliance in Human-Robot Encounters." *International journal of social robotics* (under review)

Conferences (Peer-Reviewed) *share first author

- Lu, W. I., Chien, S. Y., & **Chan, Y. C.** (2024, March). An Exploration of Multimodal Communication for Developing Extrovert, Ambivert, and Introvert Robot. In *Companion of the 2024 ACM/IEEE International Conference on Human-Robot Interaction* (pp. 702-706).
- *Hauser, E., ***Chan, Y. C.**, Bhalani, R., Kuchimanchi, A., Siddiqui, H., & Hart, J. (2024). Influencing Incidental Human-Robot Encounters: Expressive movement improves pedestrians' impressions of a quadruped service robot. *Proceedings of the 57th Hawaii International Conference on System Sciences*
- Chang, Y. W., Chien, S. Y., **Chan, Y. C.**, & Tsao, C. C. (2024, March). Human-Robot Interaction in E-Commerce: The Role of Personality Traits and Chatbot Mechanisms-A Neuromarketing Research. In *Companion of the 2024 ACM/IEEE International Conference on Human-Robot Interaction* (pp. 312-316).
- Hauser, E., **Chan, Y. C.**, Chonkar, P., Hemkumar, G., Wang, H., Dua, D., ... & Stone, P. (2023, July). "What's That Robot Doing Here?": Perceptions Of Incidental Encounters With Autonomous Quadruped Robots. In *Proceedings of the First International Symposium on Trustworthy Autonomous Systems* (pp. 1-15).
- **Chan, Y. C.**, & Hauser, E. (2023). Understanding Reactions in Human-Robot Encounters with Autonomous Quadruped Robots. *Proceedings of the Association for Information Science and Technology*, 60(1), 86-97.
- Chonkar, P., Hemkumar, G., Wang, H., Dua, D., Gupta, S., **Chan, Y.C.**, Hart, J., Hauser, E., Mirsky, R., Biswas, J., Jiao, J., Stone, P. (2022) Look to my Lead: How Does a Leash Affect Perceptions of a Quadruped Robot? *IEEE international conference on Robotics and Automation 2022*
- Chien, S.Y, Chen, C.L, **Chan, Y.C.** (2022) Influence of Personality Traits in Human Humanoid Robot Interaction. *Association for Information Science & Technology. Proceedings of the Association for Information Science and Technology*, 59(1), 415-419.

- Gwizdka, J., Tessmer, R., **Chan, Y. C.**, Radhakrishnan, K., & Henry, M. L. (2022). Eye-Gaze and Mouse-Movements on Web Search as Indicators of Cognitive Impairment. In *Information Systems and Neuroscience: NeuroIS Retreat 2022* (pp. 187-200)
- Sun, C. F., **Chan, Y.C.**, Chien, S. Y., Lin, Y. L., & Hsiao, I. H. (2020). Preschool Safety Education with Digital Media-Based Learning Application–Kinder. In *International Conference on Human-Computer Interaction*, 520-529

Workshops and Posters (Lightly reviewed)

- Chan, Y.C.**, Hart, J., Hauser, E. (2023) Understanding Human-Robot Encounters: Challenges for Industry and Science. *AAAI Spring Symposium, HRI in Academia and Industry workshop*
- Chan, Y.C.**, Hauser, E., Modak, S. (2024) Perceived Social Intelligence in Human-Robot Encounters. *WYSD of 2024 ACM/IEEE International Conference on Human-Robot Interaction*
- Chan, Y.C.** (2022) The Evaluation of Technostress in Human-Robot Encounters. *Work in the Age of Intelligent Machine conference 2022*
- Tessmer, R., **Chan, Y.C.**, Gwizdka, J., Henry, M., Radhakrishnan, K. (2021) Health information search behavior as an index of cognitive impairment: An eye-tracking study. *The University of Texas at Austin Aging and Health Informatics Conference 2021*
- Kou, T.K., Chien, S.Y., Tai, H.Y, Chen, K.T., **Chan, Y.C.** (2018) Influence of information perception on cooperation task of human-like robots. *Taiwan Computer-Human Interaction Workshop 2018*
- Chan, Y.C.**, Lin, Y.L. (2016) Exploring Social Informatics Influence in Programming Information Seeking. *Taiwan Computer-Human Interaction Workshop 2016*