YUEYING CHU Ph.D. Candidate

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EDUCATION

Department of Psychology and Behavioral Sciences, Zhejiang University   China
Ph.D. in Psychology   2022 - 2027 *(expected)*
- Advisor: Assistant Prof. Peng Liu
- Research area: Machine Psychology and Moral Psychology

Centre for Biomedical Ethics, National University of Singapore   Singapore
Visiting Ph.D. Student   2025 - 2026
- Advisor: Associate Prof. Brian D. Earp and Prof. Julian Savulescu

Department of Psychology and Behavioral Sciences, Zhejiang University   China
B.S. in Psychology   2018 - 2022
- GPA: 88.5/100

RESEARCH INTERESTS

My research integrates perspectives from machine psychology and moral psychology to explore how individuals make moral judgments in both human and human–AI contexts. I am focus on the role of interpersonal relationships in shaping moral evaluations and responsibility attributions.

PUBLICATIONS

1. Examining Cross-Cultural Differences in Intelligent Vehicle Agents: Repair Strategies after Their Failures.
   Lan Lan, Yunhao Cai, **Yueying Chu**, Wenting Tang, Yuchu Chen, Peng Liu.
   AutomotiveUI '25, Brisbane, Australia.

2. To Apologize or Not to Apologize? Trust Repair After Automated Vehicles' Mistake.
   Yunhao Cai, **Yueying Chu**, Zhigang Xu, Peng Liu.
   Transportation Research Record, in press.

3. Road Rage Against the Machine: Humans and LLMs Share a Blame Bias Against Driverless Cars.
   Yueying Chu, Peng Liu, Julian Savulescu, Brian D. Earp.
   International Journal of Human–Computer Interaction, in press.

4. Machine Creativity: Aversion, Appreciation, or Indifference?
   Peng Liu, **Yueying Chu**, Yandong Zhao, Siming Zhai.
   Psychology of Aesthetics, Creativity, and the Arts (2025).

5. Morality on the road: Should machine drivers be more utilitarian than human drivers?
   Peng Liu, **Yueying Chu**, Siming Zhai, Tingru Zhang, Edmond Awad.
   Cognition (2025) 254, 106011.

6. Credit and Blame for AI-Generated Content: Effects of Personalization in Four Countries.
   Brian D. Earp, Sebastian Porsdam Mann, Peng Liu, Ivar Hannikainen, Maryam Ali Khan, **Yueying Chu**, Julian Savulescu.
   Annals of the New York Academy of Sciences (2024) 1542, 51–57.

7. To Err is Automation: Can Trust be Repaired by the Automated Driving System After its Failure?
   Peng Liu, **Yueying Chu**, Guanqun Wang, Zhigang Xu.
   IEEE Transactions on Human-Machine Systems (2024) 54(5), 508–519.

8. Privacy Concern and Acceptability of Driver Monitoring System.
   Yueying Chu, Zihui Yuan, Peng Liu.
   AHFE '23 Hawaii Edition, Honolulu, Hawaii.

9. Human factor risks in driving automation crashes.
   Yueying Chu, Peng Liu.
   MobiTAS '23, held as part of the HCII '23, Copenhagen, Denmark. [**MobiTAS 2023 Best Paper Award (single recipient)**]

10. Automation complacency on the road.
    Yueying Chu, Peng Liu.
    Ergonomics (2023) 66(11), 1730–1749.

11. Machines and humans in sacrificial moral dilemmas: Required similarly but judged differently?
    Yueying Chu, Peng Liu.
    Cognition (2023) 239, 105575.

12. Public aversion against ChatGPT in creative fields?
    Yueying Chu, Peng Liu.
    The Innovation (2023) 4(4), 100449.

13. What does that car mean? The influence of vehicle motion and symbolic patterns of LED signals on pedestrians' interpretation of a vehicle's intent.
    Yueying Chu, Deveshwar Hariharan, Seth Hollar, Jing Feng.
    HFES '22, Atlanta, Georgia, USA.

14. People with more misconceptions about automated vehicles might be more positive toward them.
    Peng Liu, Manqing Du, Zhigang Xu, **Yueying Chu**.
    Transportation Research Part F: Traffic Psychology and Behaviour (2022) 87, 264–278.

PROJECTS

Human-Large language model moral alignment
Zhejiang University Qiushi Xinxing (New star) Program   2025.01 - 2027.06
Project Leader

Human-vehicle social interaction under mixed traffic environment: Characteristics, mechanisms, impacts, and improvements
National Natural Science Foundation of China (NSFC)   2025.01 - 2028.12
Participated in experimental design, data collection, paper writing

Trust damage and repair following automated driving system failures in human–machine co-driving vehicles
National Natural Science Foundation of China (NSFC)   2021.01 - 2024.12
Participated in experimental design, data collection, paper writing, and research report writing

ACADEMIC SERVICES

Reviewers for: *Journal of Medical Ethics*
Association for the Advancement of Artificial Intelligence (AAAI) 2026
Co-chair for: *AHFE2024 Session 102: Interaction with Emerging Technologies II*
HCII2023 S012: Human and social sides of automated vehicles

SKILLS

Languages: Mandarin (native speaker), English (fluent).
Programming: `Python`, `R`.
Other: SPSS, Adobe Illustrator.

SELECTED AWARDS AND HONORS	• **Outstanding Graduate Student,** Zhejiang University	2022-2023
	• **Transfer Third Scholarship,** Transfer	2022-2023
	• **Outstanding Graduates,** Zhejiang University	2022.06
	• **First Prize (Top 3%),** Zhejiang University	2020-2021
	• **Zhejiang Provincial Scholarship,** Zhejiang Provincial Education Dept.	2019-2020
TEACHING	• **Safety Psychology,** Zhejiang University	2024
	• **Human Factors,** Zhejiang University	2024