

Xiang Pan

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Research Interests

My work focuses on human–robot interaction and embodied AI, with particular emphasis on developing expressive manipulation strategies that enhance the transparency, legibility, and naturalness of robot behavior in human-shared environments.

Education

- 04/2022 – 01/2026 **Kyoto University** – Kyoto, Japan
Ph.D. in Social Informatics
Advisor: [Prof. Takayuki Kanda](#)
- 10/2020 – 08/2021 **Northeast Normal University** – Changchun, China
Japanese Language Studies
- 09/2017 – 06/2020 **Zhejiang University** – Hangzhou, China
M.S. in Instrument and Meter Engineering
Advisor: [Prof. Hong Zhou](#)
- 09/2013 – 07/2017 **Anhui University of Technology** – Ma’anshan, China
B.S. in Electronic and Information Engineering
Advisor: [Prof. Bing Wang](#)

Employment

- 02/2026 – Present **Kyoto University** – Kyoto, Japan
Postdoctoral Researcher
Advisor: [Prof. Takayuki Kanda](#)

Full Papers in Conference Proceedings

- 2026 **Communicating Object Relations through Robot Gestures.**
[Xiang Pan*](#), Malcolm Doering, Takayuki Kanda. In Proceedings of ACM/IEEE International Conference on Human Robot Interaction 2026.
[CORE A*, Top-tier HRI venue, 23.2% acceptance rate (129/557)]
- 2025 **Communicating Physical Properties through Robot Object Manipulation.**
[Xiang Pan*](#), Malcolm Doering, Stela H. Seo, Takayuki Kanda. In Proceedings of ACM/IEEE International Conference on Human Robot Interaction 2025.
[CORE A*, Top-tier HRI venue, 25% acceptance rate (100/400)]
- 2024 **What Is Your Other Hand Doing, Robot? A Model of Behavior for Shopkeeper Robot’s Idle Hand.**
[Xiang Pan*](#), Malcolm Doering, Takayuki Kanda. In Proceedings of ACM/IEEE International Conference on Human Robot Interaction 2024.
[CORE A*, Top-tier HRI venue, 24.7% acceptance rate (87/352)]
- 2019 **Efficient Barcode Localization Method for Low-Quality Images.**
[Xiang Pan](#), Dong Li, Weijia Wu, Hong Zhou *. In Proceedings of International Conference on Graphics and Signal Processing 2019.

Invention Patents

- 2024 **High Voltage LED Chip Set, LED Light Source for Plant Light Supplementation and Illuminating Device.**
Xiang Pan, Xuke Li. US Patent (US12051677B2), Granted
- 2022 **LED light source for supplemental lighting for plants and lamp with light source.**
Xuke Li, Xiang Pan. US Patent (US11419278B2), Granted

Teaching Experience

- 2025 **Information System Analysis**
Teaching Assistant

Academic Service

Conference Workshop Organiser

- 2026 [Multi-Agentic Systems in HRI \(MAGicS-HRI\): Bridging Design and Real-World Challenges for End Users, HRI' 26](#)

Conference Review

- 2023 ACM Conference on Human Factors in Computing Systems (CHI)
- 2025, 2026 ACM/IEEE International Conference on Human-Robot Interaction (HRI)
- 2025, 2026 ACM Conference on Designing Interactive Systems (DIS)
- 2025, 2026 ACM Interaction Design and Children Conference (IDC)
- 2025 IFIP TC13 International Conference on Human-Computer Interaction (INTERACT)
- 2025 IEEE World Haptics Conference (WHC)
- 2024 IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)
- 2024 International Conference on Human-Agent Interaction (HAI)

Journal Review

- 2026 IEEE Robotics and Automation Letters (RA-L)
- 2026 Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)
- 2020 Electronics Letters

Student Volunteer

- 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)

Invited Talks

- 2025 **Communicating Object Relations through Robot Gestures.**
Invited Speaker, Center for Digital Media Computation, Xiamen University
- 2024 **Communicating Physical Properties through Robot Object Manipulation.**
Invited Speaker, Center for Digital Media Computation, Xiamen University

Selected Awards

- 2021 **Japanese Government (MEXT) Scholarship**
Ministry of Education, Culture, Sports, Science and Technology
- 2020 **Excellent Postgraduate Student Award**
Zhejiang University
- 2018 **Outstanding Graduate Student Leader Award**
Zhejiang University
- 2017 **Outstanding Graduate Student Award**
Anhui Province
- 2017 **Youth May Fourth Medal**
Anhui University of Technology (Highest Undergraduate Honor, 10 Awardees University-wide)
- 2016 **National Undergraduate Intelligent Car Competition**
Second Prize, Anhui Province
- 2016 **Merit Student Award**
Anhui University of Technology
- 2016 **Outstanding Student Leader Award**
Anhui University of Technology
- 2016 **First-Class Scholarship**
Anhui University of Technology
- 2015 **Merit Student Award**
Anhui University of Technology
- 2015 **Outstanding Student Leader Award**
Anhui University of Technology
- 2015 **First-Class Scholarship**
Anhui University of Technology
- 2014 **Outstanding Model Student Award**
Anhui University of Technology (Top 1% of Undergraduate Students)
- 2014 **Special-Class Scholarship**
Anhui University of Technology (Top 1% of Undergraduate Students)