

Keiichi Ihara

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Research Interest

I'm a Master's student specializing in Human-Computer Interaction, with a research focus on human-centered design for Augmented Reality (AR). Passionate about extending an individual's workspace beyond conventional PC limitations, to encompass room-scale AR space. My specific interest lies in leveraging AR layout through the world-in-miniature technique.

(Keyword: AR/VR/MR, AR layout, World-in-Miniature technique)

Education

2022.04 – current	University of Tsukuba M.S. Computer Science
2022.12 – current	University of Calgary Visiting Researcher
2018.04 – 2022.03	University of Tsukuba B.S. Media Sciences and Engineering

Research Publications

Conference Proceedings

- 1 A. Ichikawa, **K. Ihara**, and I. Kawaguchi, "Investigation of how animal avatar affects users' self-disclosure and subjective responses in one-on-one interactions in vr," in *Asian HCI Symposium'23*, 2023.
- 2 **K. Ihara**, M. Faridan, A. Ichikawa, I. Kawaguchi, and R. Suzuki, "Holobots: Augmenting holographic telepresence with mobile robots for tangible remote collaboration in mixed reality," in *The 36th Annual ACM Symposium on User Interface Software and Technology*, 2023.
- 3 **K. Ihara** and I. Kawaguchi, "Ar object layout method using miniature room generated from depth data," The Eurographics Association, 2022.
- 4 **K. Ihara** and I. Kawaguchi, "Virtual object placement in mr space using a 3d miniature model of a room," in *Asian HCI Symposium'22*, 2022, pp. 23–29.

Poster and Demos

- 1 A. Ichikawa, **K. Ihara**, A. Tanokashira, and I. Kawaguchi, *Investigating the effect of animal avatars on users' self-disclosure during interaction in vr space*, 2022.
- 2 I. Kawaguchi, A. Ichikawa, **K. Ihara**, R. Ishibashi, and A. Tanokashira, *Hybrid robot with physical and ar body presentation*, 2022.

Awards

2022.03	Award by the Dean of School of Informatics of University of Tsukuba
2021.02	Ibaraki Digital Content and Software Awards 2020 Award for Excellence in the software category

Scholarship, Funding, Fee Exemptions

2023.07 – 2023.09	UCalgary Mitacs Globalink Research Award (6,000 CAD)
2023.04 – 2024.03	Tuition Fee Exemption (535,800 JPY)
2022.04 – 2024.03	Japan Student Services Organization (88,000 JPY/month)

Academic Service

2021.12	WISS2021 Student Volunteers
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Teaching

2022.10 – 2023.02	Teaching Assistant at University of Tsukuba Beginner's Guide to Programming with Buntarou Shizuki
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Skills

Languages	Strong reading, writing and speaking competencies for English
Coding	C, C#, Ruby, Python, R, ...
Web Dev	HTML, CSS, JavaScript.