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Takekazu Kitagishi, Ph.D. (Applied Computer Science), Researcher on Human Computer Interaction



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Takekazu Kitagishi is a researcher specializing in Human-Computer Interaction, Human-AI Integration, and Machine Learning, with a focus on haptic interfaces and textile-based interactive systems. His research explores methods for transmitting and manipulating tactile sensations through soft materials, with applications in virtual reality, telepresence, and fashion technology.
His doctoral work at The University of Tokyo, advised by Jun Rekimoto, investigated end-to-end transmission interfaces of fabric tactile sensations using machine learning and electrostatic adsorption. Currently, he is a Research Scientist at ZOZO NEXT Inc., where he continues to develop haptic technologies for fashion and retail applications. He earned his Ph.D. and M.S. in Information Studies from The University of Tokyo, advised by Jun Rekimoto and Noboru Koshizuka, respectively.

Education

Apr 2022 – Mar 2026 **Ph.D. (Applied Computer Science), The University of Tokyo**
Advised by Prof. Jun Rekimoto

Apr 2020 – Mar 2022 **M.S. (Applied Computer Science), The University of Tokyo**
Advised by Prof. Noboru Koshizuka

Experience

Apr 2022 – **Research Scientist**
ZOZO NEXT Inc.

Publications

Conference

1. **Takekazu Kitagishi**, Yuichi Hiroi, Yuna Watanabe, Yuta Itoh, and Jun Rekimoto. "Telextiles: End-to-end Remote Transmission of Fabric Tactile Sensation". In: *The 36th Annual ACM Symposium on User Interface Software and Technology*. UIST '23. San Francisco, CA, USA: Association for Computing Machinery, 2023, pp. 1–10. ISBN: 9798400701017. DOI: 10.1145/3586183.3606764.

2. **Takekazu Kitagishi**, Hirotaka Hiraki, Hiromi Nakamura, Yoshio Ishiguro, and Jun Rekimoto. "Pinching Tactile Display: A Cloth that Changes Tactile Sensation by Electrostatic Adsorption". In: *Proceedings of the 2024 International Conference on Advanced Visual Interfaces*. AVI '24. Arenzano, Genoa, Italy: Association for Computing Machinery, 2024. ISBN: 9798400717642. DOI: 10.1145/3656650.3656690.

3. **Takekazu Kitagishi**, Chun Wei Ooi, Yuichi Hiroi, and Jun Rekimoto. "Pinching Visuo-haptic Display: Investigating Cross-Modal Effects of Visual Textures on Electrostatic Cloth Tactile Sensations". In: *Proceedings of the 27th International Conference on Multimodal Interaction*. ICMI '25. Canberra, ACT, Australia: Association for Computing Machinery, 2025, pp. 624–633. ISBN: 9798400713958. DOI: 10.1145/3716553.3750810.

4. **Takekazu Kitagishi**, G. Hangli, T. Michikata, and Noboru Koshizuka. "Wi-Monitor: Wi-Fi Channel State Information-Based Crowd Counting with Lightweight and Low-Cost IoT Devices". In: *Internet of Things. GIoTS 2022*. Vol. 13533. Lecture Notes in Computer Science. Springer, Cham, 2022, pp. 1–12. DOI: 10.1007/978-3-031-20936-9_11.

Journal

1. **Takekazu Kitagishi** and Daisuke Takagi. "Information and communication technology, educational attainment, and disparity in health information from one's personal social network: The J-SHINE 2017 cross-sectional study". In: *PLOS ONE* 17.9 (2022), e0275285. DOI: 10.1371/journal.pone.0275285.

Demos and Posters

1. Michikuni Eguchi, **Takekazu Kitagishi**, Yuichi Hiroi, and Takefumi Hiraki. "Tactile Data Recording System for Clothing with Motion-Controlled Robotic Sliding". In: *SIGGRAPH Asia 2025 Posters*. SA Posters '25. Hong Kong, Hong Kong: Association for Computing Machinery, 2025. ISBN: 9798400713958. DOI: 10.1145/3757374.3771452.
2. **Takekazu Kitagishi**, Yuichi Hiroi, Yuna Watanabe, Yuta Itoh, and Jun Rekimoto. "Telextiles: End-to-end Remote Transmission of Fabric Tactile Sensation". In: *Adjunct Proceedings of the 36th Annual ACM Symposium on User Interface Software and Technology*. UIST '23 Adjunct. San Francisco, CA, USA: Association for Computing Machinery, 2023. ISBN: 9798400701017. DOI: 10.1145/3586182.3615770.
3. **Takekazu Kitagishi**, Chun Wei Ooi, and Jun Rekimoto. "Demonstrating Pinching Visuo-haptic Display: A Dynamic Cloth Texturization Via Visually Enhanced Tactile Sensation". In: *Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems*. CHI EA '25. Yokohama, Japan: Association for Computing Machinery, 2025. ISBN: 9798400713958. DOI: 10.1145/3706599.3721199.
4. **Takekazu Kitagishi**, Qing Zhang, and Jun Rekimoto. "Pinching Tactile Display: End-to-End Vibration Transmission for Fabric Tactile Sensation". In: *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems*. CHI EA '26. New York, NY, USA: Association for Computing Machinery, 2026. ISBN: 9798400722813. DOI: 10.1145/3772363.3799072.

Workshop Papers

1. **Takekazu Kitagishi**, Hirotaka Hiraki, Yoshio Ishiguro, and Jun Rekimoto. "Pinching Tactile Display: A Remote Haptic Feedback System for Fabric Texture". In: *2024 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)*. Orlando, FL, USA, 2024, pp. 594–596. DOI: 10.1109/VRW62533.2024.00115.
2. **Takekazu Kitagishi**, Chun Wei Ooi, and Yuta Itoh. "Pinching Visuo-Haptic Tactile Display: A Dynamic Cloth Texturization Via Visually Enhanced Tactile Sensation". In: *2025 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)*. Saint Malo, France, 2025, pp. 864–866. DOI: 10.1109/VRW66409.2025.00176.

Non-peer-reviewed Publications

1. Michikuni Eguchi, **Takekazu Kitagishi**, Yuichi Hiroi, and Takefumi Hiraki. "Tactile Data Recording System for Clothing with Motion-Controlled Robotic Sliding". In: *The 30th Annual Conference of the Virtual Reality Society of Japan*. Osaka, Japan, Sept. 17–19, 2025.
2. **Takekazu Kitagishi**, Sai Htaung Kham, Keisuke Yanagi, and Ryosuke Goto. "Detection and Prediction of Fashion Trends: Clustering and Time Series Analysis of SNS Post Data". In: *MIRU2023*. Shizuoka, Japan, July 25–29, 2023.
3. **Takekazu Kitagishi**, Yuichi Hiroi, Yuna Watanabe, Yuta Itoh, and Jun Rekimoto. "Research on Finding Clothes with Preferred Feel". In: *IIW Poster Session*. Tokyo, Japan, Dec. 4, 2023.
4. **Takekazu Kitagishi**, Yuichi Hiroi, Yuna Watanabe, Yuta Itoh, and Jun Rekimoto. "Research on Finding Clothes with Preferred Feel". In: *Deep Texture Domain Conference*. Aichi, Japan, Sept. 27–29, 2023.
5. Ryotaro Shimizu, Sai Htaung Kham, Takahiro Kawashima, and **Takekazu Kitagishi**. "効率的マルチプロンプトVLM評価はいつ必要か：フロンティアモデルにおけるプロンプト感度の減衰". In: *MIRU2026*. Nagasaki, Japan, Aug. 3–6, 2026.

Grants

2023 **International Graduate Program of Innovation for Intelligent World (The University of Tokyo)**, Selected, May 2023

Awards

2021 **Honorable Mention Award, National Data AI Ideathon Preliminary Round** Link

Excellence Award, National Data AI Ideathon Final Round Link

TodaiToTexas Demo Day / Demo Day Award Link, Project

2022 **JASSO Scholarship: Partial Repayment Exemption (Half Amount) for Outstanding Achievements**

Invited Talk

2024 **北岸毅一「Telextiles: 布の触感の遠隔伝送」**
第23回情報科学技術フォーラム（FIT 2024）
トップコンファレンスセッション 7-1「ヒューマンコンピュータインタラクション」, 2024年9月6日
【原発表: Kitagishi et al., UIST '23, DOI:10.1145/3586183.3606764】

Skills

Technical Python, PyTorch

Language English, Japanese

Collaborative Research

2023–2024 **The University of Tokyo, Rekimoto Laboratory and ZOZO NEXT, Inc.** November 2023–October 2024

2025–2025 **The University of Tokyo, Rekimoto Laboratory, ZOZO NEXT, Inc., and Cluster, Inc.**
January 2025–December 2025
Press release (ZOZO NEXT), Press release (UTokyo)

2026–2027 **ZOZO NEXT, Inc. and Cluster, Inc.** May 2026–April 2027

ZOZO NEXT, Inc. and The University of Tsukuba, Yoichi Ochiai Laboratory April 2026–March 2027

Academic Service

2024 **IEEE VR 2024 Student Volunteer**

2026 **CHI 2026 Review (Poster)**

Activities

2021 **The University of Tokyo Hongo Tech Garage Spring Founders Program** Link

2020 **GCLS Competition Round 1** Link

2023 **GCLS Competition Round 4** Link

2021 **知財図鑑** Link

2022 **Master's Program GPA: 4.0 / 4.0** The University of Tokyo, March 2022

Activities (continued)

2026 **Ph.D. Program GPA: 4.0 / 4.0** The University of Tokyo, March 2026