Kyungeun Jung

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Research Interest

Haptics

Wearable Interface

Human Motions

Education

Korea Advanced Institute of Science and Technology (KAIST) Daejeon, Korea
Ph.D in Culture Technology (Advisor: Sang Ho Yoon) *Sep 2024 - Present*

Korea Advanced Institute of Science and Technology (KAIST) Daejeon, Korea
M.S. in Culture Technology (Advisor: Sang Ho Yoon) *Sep 2022 - 2024*

Dongguk University Seoul, Korea
Multimedia Engineering, Department of Engineering *Feb 2018 - July 2022*

Honors and Awards

Popular Choice Winner (HCI Tech Lab) | CHI'24 2024

Best Poster Award | HCI Korea'24 2024

Best Demo Award (1st Prize) | Korea Haptics Conference'23 2023

People's Choice Best Demo Award | UIST'23 2023

Publications

International Journal

- **Kyungeun Jung**, Sangpil Kim, Seungjae Oh, Sang Ho Yoon "HapMotion: motion-to-tactile framework with wearable haptic devices for immersive VR performance experience", *Virtual Reality (Springer), 2024, 28(1), 13.*

International Conference

- **Kyungeun Jung***, Hyunyoung Han*, Sang Ho Yoon "ChoreoCraft: In-situ Crafting of Choreography in Virtual Reality through Creativity Support Tool", *In Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems (CHI'25)*

- **Kyungeun Jung**, Sang Ho Yoon "Mo2Hap: Rendering VR Performance Motion Flow to Upper-body Vibrotactile Haptic Feedback", *In Adjunct Proceedings of the 36th Annual ACM Symposium on User Interface Software and Technology 2023 (UIST'23 Demo)*

- **Kyungeun Jung**, KunWoo Song "ThumbJoy: Using the Thumb's Metacarpophalangeal Joint as a Joystick Input Device", *In 2023 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct) (pp. 663-666) (ISMAR'23 Poster)*

- **Kyungeun Jung**, Seungjae Oh, Sang Ho Yoon "Mo2Hap: Rendering performer's Motion Flow to Upper-body Vibrotactile Haptic Feedback for VR performance." *In 2023 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW) (pp. 579-580). (IEEE VR'23 Poster)*

Patents

Character Motion-based Haptic Feedback Methodology | *KR 10-2023-0116552* Application Date: Sep, 2023
Kyungeun Jung and Sang Ho Yoon

Invited Talks

Invited Talk at Korea Haptics Conference 2024 Aug 2024

Title:Motion-to-tactile framework with wearable haptic devices for immersive VR performance experience

Academic Services

Committee

- HCI@KAIST 2024 Committee (Webmaster, Orgarnizer for HCI@KAIST Reception at CHI'24)
- HCI@KAIST 2023 Committee (Webmaster, Organizer and Moderator for CHI'24 Pre-workshop held in 2023)

Student Volunteer

- IEEE VR'25, Korea Haptics Conference'23

Reviewing

- WHC'25, CHI LBW'24, DIS'24, CHI PLAY'24, CSCW'24 Poster, CSCW'23

Teaching Assistant

Interactive Haptic Technologies | KAIST GCT722 2023

Smart Factory for Human-Machine Collaboration | KAIST CoE491 2024

Extra Curricula Activities

Amateur Bassist Since 2021

Hyundai Automobile Company Global Volunteering 2018

Jeonju International Film Festival Interpreter Volunteer 2017

Jecheon International Music Film Festival Interpreter Volunteer 2017