

JIWAN LEE

PhD Student at Interaction Laboratory

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PUBLICATIONS

INTERNATIONAL JOURNAL

[J1] Sangyoon Han, **Jiwan Lee**, Gyeore Yun, Sung H. Han, and Seungmoon Choi, Motion Effects: Perceptual Space and Synthesis for Specific Perceptual Properties. IEEE Transactions on Haptics, 2022.

INTERNATIONAL CONFERENCE

[C1] **Jiwan Lee**, Jaejun Park, and Seungmoon Choi, Absolute and Differential Thresholds of Motion Effects in Cardinal Directions. In Proceedings of the 27th ACM Symposium on Virtual Reality Software and Technology, 2021.

DOMESTIC CONFERENCE

[C1] **Jiwan Lee**, Yongjae Yoo, and Seungmoon Choi, Vestibular Threshold and Psychometric Function for Yaw Rotation. In Proceedings of HCI Korea, 2019.

RESEARCH PROJECTS

MOTION PERCEPTION AND RENDERING

[P1] Automatic Authoring of Physical and Perceptual/Affective Motion Effects for Virtual Reality funded by the Samsung Research Funding & Incubation Center of Samsung Electronics [SRFC-IT1802-05].
Dec 2018 - May 2023

VIBRATION PERCEPTION AND RENDERING

[P1] Functional Advancement Research to Improve the Vibrating Seat Marketability funded by the Hyundai Motor Company.
Jul 2022 - Jun 2023

AWARDS & HONORS

- Magna Cum Laude (2018)
- Undergraduate Student Best Paper Award at Korea Computer Congress (Feb 2018)
- Scholarship for the Sookmyung Contest Winner (2017)
- Sookmyung-Samsung Software Center Scholarship (Dec 2016)
- Scholarship for Academic Excellence (2014, 2016, and 2017)

SKILLS

PROGRAMMING

Proficient:
C/C++ • C# • Java • Python
MATLAB

Experienced:
R • SQL • CSS • HTML • Shell

LIBRARIES/FRAMEWORKS

Unity • .NET • WPF • PyTorch
OpenGL

HARDWARE

Raspberry Pi • Arduino

LANGUAGES

Korean • English

KNOWLEDGE

Signal Processing • Statistical Testing • Motion Rendering

EDUCATION

POHANG UNIVERSITY OF SCIENCE AND TECHNOLOGY (POSTECH)

MASTER OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING
Feb 2021 | Pohang, Korea
TOWARDS DOCTOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING
Feb 2021 - Present | Pohang, Korea

SOOKMYUNG WOMEN'S UNIVERSITY

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Feb 2018 | Seoul, Korea

REFERENCES

Seungmoon Choi, Professor, POSTECH

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