

Oral Presentation

## [VHF3/DES3]Virtual Reality

Special Topics of Interest on AR/VR and Hyper Reality

Chair: Takashi Shibata (Tokyo Univ. of Social Welfare)

Co-Chair: Johan Bergquist (Consultant)

Wed. Nov 27, 2019 5:00 PM - 6:30 PM Mid-sized Hall A (1F)

---

5:50 PM - 6:10 PM

## [VHF3/DES3-3]Optic Flow, but Not Retinal Flow, Is Essential to Induce VR Sickness

\*Hiroyasu Ujike<sup>1</sup>, Kei Hyodo<sup>1</sup>, Mitsunori Tada<sup>1</sup>, Koudai Ito<sup>1</sup> (1. National Institute of Advanced Industrial Science and Technology (Japan))

Keywords:VR sickness, VIMS, optic flow, retinal flow, SSQ

*We conducted an experiment measuring VR sickness using HMD, manipulating optic flow and retinal flow in three conditions. The results showed that sickness scores increased according to the amount of optic flow, but not of retinal flow, indicating that optic flow, not retinal flow, is essential to induced VR sickness.*