Seita Kayukawa

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Education

Apr. 2018 - Present	Master of Engineering, Graduate School of Advanced Science and Engineering, Waseda University. Advisor: Shigeo Morishima
Apr. 2014 - Mar. 2018	Bachelor of Science, Department of Applied Physics, Waseda University Advisor: Shigeo Morishima

Work Experience

Feb. 2019 - Present	Research Intern, IBM Research - Tokyo. Advisor: Tatsuya Ishihara, Hironobu Takagi, and Chieko Asakawa
May 2018 - Sept. 2018	Research Intern, Cognitive Assistance Lab., Robotics Institute, Carnegie Mellon University. Advisor: Keita Higuchi, Chieko Asakawa, and Kris Kitani
Apr. 2017 - Present	Assistant Researcher, JST ACCEL, OngaACCEL Project.

Research Interests

Human-Computer Interaction; Accessibility; Video Browsing

Scholarship

[1] Visiting support from Super Global University (SGU), Japan. (May 2018 - Sept. 2018)

[2] Japan Student Services Organization (JASSO) Scholarship for short-term study abroad, Japan. (May 2018 - Aug. 2018)

Publications

[1] **Seita Kayukawa**, Keita Higuchi, João Guerreiro, Shigeo Morishima, Yoichi Sato, Kris Kitani, and Chieko Asakawa. 2019. **BBeep: A Sonic Collision Avoidance System for Blind Travellers and Nearby Pedestrians.** In *Proc. ACM CHI Conference on Human Factors in Computing Systems (**CHI '19**).* DOI: http://dx.doi.org/10.1145/3290605.3300282

[2] Ryo Shimamura, **Seita Kayukawa**, Takayuki Nakatsuka, Shoki Miyagawa, and Shigeo Morishima. 2019. **A Study on the Sense of Burden and Body Ownership on Virtual Slope.** In *Proc. IEEE Conference on Virtual Reality and 3D User Interfaces (**IEEE VR '19 Poster**).* DOI: http://dx.doi.org/10.1109/VR.2019.8797960

[3] **Seita Kayukawa**, Keita Higuchi, Ryo Yonetani, Masanori Nakamura, Yoichi Sato, and Shigeo Morishima. 2018. **Dynamic Object Scanning: Object-Based Elastic Timeline for Quickly Browsing First-Person Videos.** In *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems (**CHI '18 LBW and DEMO**).* DOI: http://dx.doi.org/10.1145/3170427.3189085

Awards

[1] **Azusa Ono Memorial Award**. Waseda University. (Mar. 2019)

[2] **Best Paper Award** at IPSJ Interaction 2019. (Mar. 2019)

Skills

Programming Languages:	C++, Python, HTML, CSS
Libraries / Platforms:	OpenCV, Qt5, ROS, Arduino, CMake
OS:	macOS, Ubuntu
Others:	Adobe CC (Illustrator, Premiere Pro, Photoshop)
	User Studies, Statistical Analysis
	Machine Learning, Courcesra MOOC by Andrew NG, Nov. 2018

Updated: Aug. 17, 2019