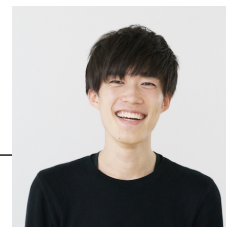


Ippei Suzuki 鈴木 一平

E-mail: 1heisuzuki@gmail.com / Web: 1heisuzuki.com



Education

1. Master's Program in Informatics
Apr. 2019 - Current (Expected End Date: Mar. 2021)
Graduate School of Library, Information and Media Studies
University of Tsukuba, Japan
2. Bachelor of Science in Media Sciences and Engineering
Apr. 2015 - Current (Expected End Date: Mar. 2019)
Strategic Research Platform towards Digital Nature Powered by Pixie Dust Technologies, Inc.
School of Informatics
University of Tsukuba, Japan
Advisor: Associate Professor Yoichi Ochiai

Research Interest

Camera, Display, Human-Computer Interaction

Grants & Awards

1. University of Tsukuba President's Award, University of Tsukuba, 2019-03.
2. 1ST BEST PAPER AWARD, Augmented Human 2019, 2019-03.
3. Grand Award (Student/Entertainment), 2017 Asia Digital Art Award FUKUOKA, 2017-12.
4. Finalists' Awards (Student/Entertainment), 2017 Asia Digital Art Award FUKUOKA, 2017-12.
5. Finalists' Awards (Student/Entertainment), 2017 Asia Digital Art Award FUKUOKA, 2017-12.
6. Award of Microsoft Tech (Microsoft Japan), Mashup Award 2017, 2017-12.
7. JASSO Students of the Year 2017 Grand Prize (Academia), Independent Administrative Institution Japan Student Services Organization, 2017-12.
8. James Dyson Award 2017 International Top 20 Shortlist, James Dyson Foundation, 2017-10.
9. James Dyson Award 2017 Japan Division 4th Place, James Dyson Foundation, 2017-09.
10. James Dyson Award 2017 Japan Division 5th Place, James Dyson Foundation, 2017-09.
11. University of Tsukuba President's Award, University of Tsukuba, 2017-06.
12. Best Poster/Demo Awards 2nd Prize, CHI 2017 Asian CHI symposium, 2017-05.
13. BEST LONG PAPER AWARD 1ST PLACE, Augmented Human 2017, 2017-03.
14. Laval Virtual Award 2017 TRANSPORT & MOBILITY, Laval Virtual, 2017-03.
15. 20th Japan Media Arts Festival Art Division Jury Selections, Japan Media Arts Festival Executive Committee 2017-03.
16. 22nd CAMPUS GENIUS AWARD 2016 SILVER (Jury Prize of Shuzo John Shiota), Computer Graphic Arts Society Japan, 2017-02.
17. Advanced Researcher Experience (ARE) Excellence Award, University of Tsukuba, 2017-01.

Publications

Conference Papers / Proceedings (peer-reviewed)

1. Akira Ishii, Masaya Tsuruta, **Ippei Suzuki**, Shuta Nakamae, Junichi Suzuki, and Yoichi Ochiai. 2019. Let Your World Open: CAVE-based Visualization Methods of Public Virtual Reality towards a Shareable VR Experience. In *Proceedings of the 10th Augmented Human International Conference 2019 (AH2019)*. ACM, New York, NY, USA, Article 33, 8 pages.
2. **Ippei Suzuki**, Shinnosuke Ando, and Yoichi Ochiai. 2018. 70-1: "Unphotogenic Light": Evaluation and Detail of the High-Speed Projection Method to Prevent Secret Photography with Small Cameras. *SID Symposium Digest of Technical Papers*. 49, 1, 930-933.
3. Satoshi Hashizume, **Ippei Suzuki**, Kazuki Takazawa, Ryuichiro Sasaki, and Yoichi Ochiai. 2018. Telewheelchair: the Remote Controllable Electric Wheelchair System combined Human and Machine Intelligence. In *Proceedings of the 9th Augmented Human International Conference (AH '18)*. ACM, New York, NY, USA, Article 7, 9 pages.
4. Mose Sakashita, Tatsuya Minagawa, Amy Koike, **Ippei Suzuki**, Keisuke Kawahara, and Yoichi Ochiai. 2017. You as a Puppet: Evaluation of Telepresence User Interface for Puppetry. In *Proceedings of the 30th Annual ACM Symposium on User Interface Software and Technology (UIST '17)*. ACM, New York, NY, USA, 217-228.
5. Yoichi Ochiai, Takayuki Hoshi, and **Ippei Suzuki**. 2017. Holographic Whisper: Rendering Audible Sound Spots in Three-dimensional Space by Focusing Ultrasonic Waves. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17)*. ACM, New York, NY, USA, 4314-4325.
6. **Ippei Suzuki**, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito, Atsushi Shinoda, Akira Ishii, Takatoshi Yoshida, and Yoichi Ochiai. 2017. Design Method for Gushed Light Field: Aerosol Based Aerial and Instant Display. In *Proceedings of the 8th Augmented Human International Conference (AH '17)*. ACM, New York, NY, USA, , Article 1 , 10 pages.
7. Akira Ishii, **Ippei Suzuki**, Shinji Sakamoto, Keita Kanai, Kazuki Takazawa, Hiraku Doi, and Yoichi Ochiai. 2016. Optical Marionette: Graphical Manipulation of Human's Walking Direction. In *Proceedings of the 29th Annual Symposium on User Interface Software and Technology (UIST '16)*. ACM, New York, NY, USA, 705-716.

Demo (peer-reviewed)

1. Yoichi Ochiai, Kazuki Otao, Yuta Itoh, Shouki Imai, Kazuki Takazawa, Hiroyuki Osone, Atsushi Mori, and **Ippei Suzuki**. 2018. Make Your Own Retinal Projector: Retinal Near-Eye Displays via Metamaterials. In *ACM SIGGRAPH 2018 Emerging Technologies (SIGGRAPH '18)*. ACM, New York, NY, USA, Article 13, 2 pages.
2. **Ippei Suzuki** and Yoichi Ochiai. 2017. Demonstration of the unphotogenic light: protection from secret photography by small cameras. In *SIGGRAPH Asia 2017 Emerging Technologies (SA '17)*. ACM, New York, NY, USA, Article 4, 1 pages.
3. Satoshi Hashizume, **Ippei Suzuki**, Kazuki Takazawa, Ryuichiro Sasaki, Yoshikuni Hashimoto, and Yoichi Ochiai. 2017. Telewheelchair: a demonstration of the intelligent electric wheelchair system towards human-machine. In *SIGGRAPH Asia 2017 Emerging Technologies (SA '17)*. ACM, New York, NY, USA, Article 15, 1 pages.
4. Akira Ishii, Masaya Tsuruta, **Ippei Suzuki**, Shuta Nakamae, Tatsuya Minagawa, Junichi Suzuki, and Yoichi Ochiai. 2017. ReverseCAVE experience: providing reverse perspectives for sharing VR experience. In *SIGGRAPH Asia 2017 VR Showcase (SA '17)*. ACM, New York, NY, USA, Article 9, 2 pages.
5. Yoichi Ochiai, Tatsuya Minagawa, Takayuki Hoshi, Daitetsu Sato, Kazuki Takazawa, Amy Koike, Satoshi Hashizume, **Ippei Suzuki**, Atsushi Shinoda, and Kazuyoshi Kubokawa. 2017. LeviFab:

- stabilization and manipulation of digitally fabricated objects for superconductive levitation. In *ACM SIGGRAPH 2017 Studio* (SIGGRAPH '17). ACM, New York, NY, USA, Article 5, 2 pages.
6. **Ippei Suzuki**, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito, Atsushi Shinoda, Akira Ishii, Takatoshi Yoshida, and Yoichi Ochiai. 2016. Gushed Light Field: Design Method for Aerosol-based Fog Display. In *SIGGRAPH ASIA 2016 Emerging Technologies* (SA '16). ACM, New York, NY, USA, , Article 9 , 2 pages.
 7. Keisuke Kawahara, Mose Sakashita, Amy Koike, **Ippei Suzuki**, Kenta Suzuki, and Yoichi Ochiai. 2016. Transformed Human Presence for Puppetry. In *Proceedings of the 13th International Conference on Advances in Computer Entertainment Technology* (ACE2016). ACM, New York, NY, USA, , Article 38 , 6 pages.
 8. **Ippei Suzuki**, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito, Atsushi Shinoda, Akira Ishii, Takatoshi Yoshida, and Yoichi Ochiai. 2016. Gushed Diffusers: Fast-moving, Floating, and Lightweight Midair Display. In *Proceedings of the 29th Annual Symposium on User Interface Software and Technology* (UIST '16 Adjunct). ACM, New York, NY, USA, 69-70.
 9. Akira Ishii, **Ippei Suzuki**, Shinji Sakamoto, Keita Kanai, Kazuki Takazawa, Hiraku Doi, and Yoichi Ochiai. 2016. Graphical manipulation of human's walking direction with visual illusion. In *ACM SIGGRAPH 2016 Emerging Technologies* (SIGGRAPH '16). ACM, New York, NY, USA, , Article 8 , 2 pages.
 10. Mose Sakashita, Keisuke Kawahara, Amy Koike, Kenta Suzuki, **Ippei Suzuki**, and Yoichi Ochiai. 2016. Yadori: mask-type user interface for manipulation of puppets. In *ACM SIGGRAPH 2016 Emerging Technologies* (SIGGRAPH '16). ACM, New York, NY, USA, , Article 23 , 1 pages.

Posters (peer-reviewed)

1. Yoichi Ochiai, Kazuki Otao, Yuta Itoh, Shouki Imai, Kazuki Takazawa, Hiroyuki Osone, Atsushi Mori, and **Ippei Suzuki**. 2018. Make Your Own Retinal Projector: Retinal Near-Eye Displays via Metamaterials. In *SIGGRAPH 2018 Posters* (SIGGRAPH '18). ACM, New York, NY, USA, Article 48, 2 pages.
2. Riku Iwasaki, Yuta Sato, **Ippei Suzuki**, Atsushi Shinoda, Kenta Yamamoto, Kohei Ogawa, and Yoichi Ochiai. 2017. Silk fabricator: using silkworms as 3D printers. In *SIGGRAPH Asia 2017 Posters* (SA '17). ACM, New York, NY, USA, Article 46, 2 pages.
3. **Ippei Suzuki** and Yoichi Ochiai. 2017. Unphotogenic light: high-speed projection method to prevent secret photography by small cameras. In *ACM SIGGRAPH 2017 Posters* (SIGGRAPH '17). ACM, New York, NY, USA, Article 65, 2 pages.
4. Akira Ishii, Masaya Tsuruta, **Ippei Suzuki**, Shuta Nakamae, Tatsuya Minagawa, Junichi Suzuki and Yoichi Ochiai. 2017. ReverseCAVE: providing reverse perspectives for sharing VR experience. In *ACM SIGGRAPH 2017 Posters* (SIGGRAPH '17). ACM, New York, NY, USA, Article 28, 2 pages.
5. **Ippei Suzuki**, Satoshi Hashizume, Kazuki Takazawa, Yoshikuni Hashimoto, Ryuichiro Sasaki, and Yoichi Ochiai. 2017. Telewheelchair: The intelligent electric wheelchair system towards human-machine combined environmental supports. In *ACM SIGGRAPH 2017 Posters* (SIGGRAPH '17). ACM, New York, NY, USA, Article 30, 1 pages.
6. Yoichi Ochiai, Tatsuya Minagawa, Takayuki Hoshi, Daitetsu Sato, Kazuki Takazawa, Amy Koike, Satoshi Hashizume, **Ippei Suzuki**, Atsushi Shinoda, and Kazuyoshi Kubokawa. 2017. LeviFab: stabilization and manipulation of digitally fabricated objects for superconductive levitation. In *ACM SIGGRAPH 2017 Posters* (SIGGRAPH '17). ACM, New York, NY, USA, Article 7, 2 pages.
7. **Ippei Suzuki**, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito, Atsushi Shinoda, Akira Ishii, Takatoshi Yoshida, and Yoichi Ochiai. 2016. Gushed Light Field: Design Method for Aerosol-based Fog Display. In *SIGGRAPH ASIA 2016 Posters* (SA '16). ACM, New York, NY, USA, , Article 26 , 2 pages.

8. Akira Ishii, Ippei Suzuki, Shinji Sakamoto, Keita Kanai, Kazuki Takazawa, Hiraku Doi, and Yoichi Ochiai. 2016. Graphical manipulation of human's walking direction with visual illusion. In *ACM SIGGRAPH 2016 Posters* (SIGGRAPH '16). ACM, New York, NY, USA, , Article 9 , 2 pages.

Others (peer-reviewed)

1. Akira Ishii, Ippei Suzuki, Masaya Tsuruta, Shuta Nakamae, Junichi Suzuki, and Yoichi Ochiai. 2018. ReverseCAVE: CAVE-based Visualization Methods of Public VR Towards Shareable VR Experience. In *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems* (CHI EA '18). ACM, New York, NY, USA, Paper VS01, 1 pages.
2. Ippei Suzuki, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito, Atushi Shinoda, Akira Ishii, Takatoshi Yoshida, and Yoichi Ochiai. 2017. Gushed Light Field: Video Showcase of Aerosol-Based Fog Display. In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems* (CHI EA '17). ACM, New York, NY, USA, 453-453.

Invited

1. Ippei Suzuki, Shinnosuke Ando, and Yoichi Ochiai. 2018. Protection Method from Secret Photography. In the 25th International Display Workshops (IDW '18).

Domestic Conference (Japan, invited)

1. Akira Ishii, Ippei Suzuki, Shinji Sakamoto, Keita Kanai, Kazuki Takazawa, Hiraku Doi, and Yoichi Ochiai. Optical Marionette. In *24th Workshop on Interactive Systems and Software* (WISS 2016). JSSST, Tokyo, Japan.

Work Experiences

1. Engineer at Pixie Dust Technologies, Inc., Oct. 2017 - Current.