

YUICHIRO TAKEUCHI

Computer Scientist / Designer of Future Cities

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WORK EXPERIENCE

- Associate Researcher 2008 - Present
Sony Computer Science Laboratories Inc.
- Researcher 2014 - Present
Japan Science and Technology Agency (JST) PRESTO
- Visiting Engineer 2013
Studio Olafur Eliasson
- Research Assistant 2011
Graduate School of Design, Harvard University
- Visiting Researcher 2011
Courant Institute of Mathematical Sciences, New York University
- Research Assistant 2005 - 2008
Department of Frontier Informatics, The University of Tokyo
- Teaching Assistant 2005 - 2006
Faculty of Engineering, The University of Tokyo
- Teaching Assistant 2003 - 2005
College of Arts and Sciences, The University of Tokyo
- Student Intern 2001
Schlumberger K.K.

EDUCATION

- Graduate School of Design, Harvard University 2010 - 2012
Master in Design Studies (MDesS)
- Department of Frontier Informatics, The University of Tokyo 2003 - 2008
Doctor of Philosophy (PhD), Master of Science (MS)
- Faculty of Engineering, The University of Tokyo 1999 - 2003
Bachelor of Engineering (BEng)

SELECTED PUBLICATIONS

Takeuchi, Y., Suwa, S., Nagamine, K. AnyLight: Programmable Ambient Illumination via Computational Light Fields. In Proc. of the 2016 ACM International Conference on Interactive Surfaces and Spaces (ISS 2016). pp.39-48.

Takeuchi, Y., Suwa, S., Nagamine, K. AnyLight: An Integral Illumination Device. In SIGGRAPH 2016 Emerging Technologies. Article No.1.

Takeuchi, Y. Printable Hydroponic Gardens: Initial Explorations and Considerations. In Ext. Abst. (alt.chi) of the 34th ACM Conference on Human Factors in Computing Systems (CHI 2016). pp.449-458.

Takeuchi, Y. Towards Habitable Bits: Digitizing the Built Environment. In Proc. of the Ninth ACM International Conference on Interactive Tabletops and Surfaces (ITS 2014). pp.209-218. **Honorable Mention Award.**

Takeuchi, Y. Building a World of Habitable Bits. ACM Interactions, vol.21, no.6. pp.52-57. 2014.

Takeuchi, Y., You, J. Whirlstools: Kinetic Furniture with Adaptive Affordance. In Ext. Abst. of the 32nd ACM Conference on Human Factors in Computing Systems (CHI 2014). pp.1885-1890.

Takeuchi, Y. Parallel Cities. In Proc. of the 19th ACM Symposium on Virtual Reality Software and Technology (VRST 2013). pp.89-92.

Takeuchi, Y. Synthetic Space: Inhabiting Binaries. In Ext. Abst. (alt.chi) of the 30th ACM Conference on Human Factors in Computing Systems (CHI 2012). pp.251-260.

Takeuchi, Y., Perlin, K. ClayVision: The (Elastic) Image of the City. In Proc. of the 30th ACM Conference on Human Factors in Computing Systems (CHI 2012). pp.2411-2420. **Best Paper Award.**

Takeuchi, Y. Gilded Gait: Reshaping the Urban Experience with Augmented Footsteps. In Proc. of the 23rd Annual ACM Symposium on User Interface Software and Technology (UIST 2010). pp.185-188.

Takeuchi, Y. Weightless Walls and the Future Office. In Proc. of the 28th ACM Conference on Human Factors in Computing Systems (CHI 2010). pp.619-628.

Takeuchi, Y., Sugimoto, M. A User-Adaptive City Guide System with an Unobtrusive Navigation Interface. Personal and Ubiquitous Computing, vol.13, no.2. pp.119-132. 2009 (print), 2007 (online).

Yamaguchi, E., Inagaki, S., Sugimoto, M., Kusunoki, F., Deguchi, A., *Takeuchi, Y.*, Seki, T., Tachibana, S., Yamamoto, T. Fostering Students' Participation in Face-to-Face Interactions and Deepening Their Understanding by Integrating Personal and Shared Spaces. Transactions on Edutainment, vol.2. pp.228-245. 2009.

Takeuchi, Y. Bezier Lights: Establishing Virtual Boundaries in Indoor Environments. In Ext. Abst. of the 27th ACM Conference on Human Factors in Computing Systems (CHI 2009). pp.3595-3600.

Takeuchi, Y., Sugimoto, M. A User-Adaptive City Guide System based on Location Data History. IEICE Transactions on Information and Systems, vol.J90-D, no.11. pp.2981-2988. 2007.

Yamaguchi, E., Inagaki, S., Sugimoto, M., Kusunoki, F., Deguchi, A., *Takeuchi, Y.*, Seki, T., Tachibana, S., Yamamoto, T. Fostering Students' Participation in Face-to-Face Interactions and Deepening Their Understanding by Integrating Personal and Shared Spaces. In Proc. of the 8th International Conference on Computer Supported Collaborative Learning (CSCL 2007). pp.795-797.

Takeuchi, Y., Sugimoto, M. User-Adaptive Home Video Summarization using Personal Photo Libraries. In Proc. of the ACM International Conference on Image and Video Retrieval (CIVR 2007). pp.472-479.

Takeuchi, Y., Sugimoto, M. Video Summarization using Personal Photo Libraries. In Proc. of the 8th ACM SIGMM International Workshop on Multimedia Information Retrieval (MIR 2006). pp.213-222.

Takeuchi, Y., Sugimoto, M. An Intelligent City Guide with a “Metal Detector” Interface. In Adjunct Proc. of the 19th Annual ACM Symposium on User Interface Software and Technology (UIST 2006). pp.97-98.

Deguchi, A., Sugimoto, M., Yamamoto, T., Yamaguchi, E., Kusunoki, F., Seki, T., Inagaki, S., Tachibana, S., Takeuchi, Y. CarettaKids: A System for Supporting Children’s Face-to-Face Collaborative Learning by Integrating Personal and Shared Spaces. In Proc. of the 2006 Conference on Interaction Design and Children (IDC 2006). pp.45-48.

Takeuchi, Y., Sugimoto, M. CityVoyager: An Outdoor Recommendation System based on User Location History. In Proc. of the 3rd International Conference on Ubiquitous Intelligence and Computing (UIC 2006). pp.625-636.

Takeuchi, Y., Sugimoto, M. An Outdoor Recommendation System based on User Location History. In Proc. of the 1st International Workshop on Personalized Context Modeling and Management for UbiComp Applications (UbiPCMM 2005). pp.91-100.

SELECTED TALKS

Kyoto University Design School	2016
MIT Media Lab	2014
MoMA	2014
Visual Computing Group, Harvard SEAS	2012
MIT SENSEable City Lab	2012

SELECTED GRANTS/AWARDS

Architizer A+ Awards Finalist	2015
ACM ITS Honorable Mention Award	2014
Japan Science and Technology Agency (JST) PRESTO Grant	2014
ACM CHI Best Paper Award	2012

PROFESSIONAL ACTIVITIES

Program Committee (CHI 2014, UbiComp 2015), Reviewer (CHI, UIST, TEI, Pervasive and Mobile Computing, etc.)