

# Takeo HAMADA

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## ■ RESEARCH INTEREST

Human Computer Interaction, Virtual Reality, Telexistence, Human Augmentation, Out-of-body Experience, Augmented Healthcare, Augmented Sports Experience

## ■ EDUCATION

**Doctor of Engineering** **2011–2015**

Department of Information Processing, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology (Tokyo Tech)

Advised by Dr. Makoto Sato and Dr. Shoichi Hasegawa

**Master of Engineering** **2009–2011**

Department of Computational Intelligence and Systems Science, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology (Tokyo Tech)

Advised by Dr. Makoto Sato and Dr. Mikio Horie

## ■ PROFESSIONAL EXPERIENCE

**Assistant Professor** **2017–present**

Interfaculty Initiative in Information Studies, The University of Tokyo, Tokyo, Japan

Working with Dr. Noboru Koshizuka.

**Postdoctoral Researcher** **2016–2017**

Toyohashi University of Technology (Toyohashi Tech), Toyohashi, Japan

Worked with Dr. Michio Okada and Dr. Michiteru Kitazaki.

**Research Assistant** **2009–2012**

JST ERATO IGARASHI Design Interface Project, Tokyo, Japan

Worked with Dr. Takeo Igarashi, Dr. Masahiko Inami, and Dr. Daisuke Sakamoto

## ■ PUBLICATIONS

### Journal Articles

Takeo Hamada, Shohei Taniguchi, Sachiko Ikejima, Keisuke Shimizu, Daisuke

Sakamoto, Shoichi Hasegawa, Masahiko Inami, and Takeo Igarashi. *Avatouch: A Puppet-based User Interface for Controlling A Robotic Massage Chair*, In Transactions of the Virtual Reality Society of Japan, Vol.20, No.3, pp.229–238, 2015 (in Japanese).

#### **Peer Reviewed Conference Papers**

**Takeo Hamada**, Katsuya Yoshiho, Ryota Kondo, Yasushi Ikei, Koichi Hirota, Tomohiro Amemiya, and Michiteru Kitazaki. *Changing Perceived Leg Length and Motion on Virtual Walking Generator*, In Proceedings of the 23rd International Display Workshops in conjunction with Asia Display 2016 (IDW/AD '16), Japan, 3D2/3DSA2-3, pp.790–793, (2016.12).

**Takeo Hamada**, Hironori Mitake, Shoichi Hasegawa, and Makoto Sato. *A Teleoperated Bottom Wiper*, In Proceedings of the 6th Augmented Human International Conference (AH15), pp.145–150 (2015.3). Acceptance rate: 28%

Katsuhito Akahane, **Takeo Hamada**, Takehiko Yamaguchi, and Makoto Sato. *Development of a High Definition Haptic Rendering for Stability and Fidelity*, In Proceedings of the 14th International Conference on Human-Computer Interaction (HCI11), part 2, pp.3–12 (2011.7).

#### **Peer Reviewed Posters and Demonstrations**

**Takeo Hamada**, Michio Okada, and Michiteru Kitazaki. *Jogging with a Virtual Runner using a See-Through HMD*. In Proceedings of 2017 IEEE Virtual Reality (VR), pp.445–446, Los Angeles, CA, USA, March 2017.

Satoshi Fujisawa, **Takeo Hamada**, Ryota Kondo, Ryohei Okamoto, and Michiteru Kitazaki. *A Body Odyssey: Exploring The Human Body as Digested Food*, In Proceedings of the 8th Augmented Human International Conference (AH'17), Silicon Valley, California, pp.39:1--39:2, March 2017. DOI: 10.1145/3041164.3041209 **Best Demo Award**

**Takeo Hamada**, Katsuya Yoshiho, Ryota Kondo, Yasushi Ikei, Koichi Hirota, and Michiteru Kitazaki. *Virtual Walking Generator by Rhythmical Modulation of Omnidirectional Images and Foot Sensations*, EuroHaptics 2016 Demonstrations (2016.7).

Takeo Hamada, Shohei Taniguchi, Sachiko Ikejima, Keisuke Shimizu, Daisuke Sakamoto, Shoichi Hasegawa, Masahiko Inami, and Takeo Igarashi. *Avatouch: A Puppet-based User Interface for Controlling A Robotic Massage Chair*, ACM CHI 2016 Symposium on Emerging Japanese HCI Research Collection (2016.5).

Takeo Hamada, Hironori Mitake, Shoichi Hasegawa, and Makoto Sato. *A Teleoperated Bottom Wiper*, ACM CHI 2015 Symposium on Emerging Japanese HCI Research Collection (2015.4).

Koki Nagano, Takeru Utsugi, Mika Hirano, Takeo Hamada, Akihiko Shirai, and Masayuki Nakajima. *A new multiplex content displaying system compatible with current 3D projection technology*, ACM SIGGRAPH 2010 Posters (2010.7).

Koki Nagano, Takeo Hamada, and Takeru Utsugi. *Scritter*, Laval Virtual 2010 Revolution (2010.4).

#### **Non-Reviewed Publications**

Takeo Hamada, Koki Nagano, Takeru Utsugi, Mika Hirano, and Akihiko Shirai. *Scritter: A multiplexed image system for a public screen*, In Proceedings of Virtual Reality International Conference (VRIC2010), pp.76–78 (2010.4).

#### **■ LANGUAGE SKILL**

##### **JAPANESE**

Native

##### **ENGLISH**

Intermediate

#### **■ AWARDS**

**Best Demo Award** **2017**

The 8<sup>th</sup> Augmented Human International Conference (AH'17), March, 2017.

**Best Game/App/Gadget 2<sup>nd</sup> Award** **2010**

The 8<sup>th</sup> DiVA Exhibition, The Society for Art and Science (Japanese), March, 2010.

#### **■ REFERENCE**

**Prof. Noboru Koshizuka**

Interfaculty Initiative in Information Studies, The University of Tokyo

<https://sites.google.com/site/noball2270/home>