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## ■ RESEACH INTERST

Human robot Interaction (HRI), User Interface, Entertainment Computing

## ■ EDUCATION

### Master of Media Design

2008-2010

Graduate School of Media Design, Keio University

Advised by Dr. Masahiko Inami

### Doctor of Media Design

2010-current

Graduate School of Media Design, Keio University

Advised by Dr. Masahiko Inami

## ■ PROFESSIONAL EXPERIENCE

### JST ERATO IGARASHI Design UI Project

2008-current

Tokyo, Japan, Research Assistant.

### Information-technology Promotion Agency (IPA) Exploratory Software

2009

Advised by Dr. Michiaki Yasumura

## ■ PUBLICATIONS

### Refereed conference and workshop

**Yuta Sugiura**, Calista Lee, Masayasu Ogata, Anusha Withana, Yasutoshi Makino, Daisuke Sakamoto, Masahiko Inami, and Takeo Igarashi. 2012. PINOKY: a ring that animates your plush toys. In Proceedings of the 30th international conference on Human factors in computing systems (CHI '12), Austin, Texas. (to appear)

**Yuta Sugiura**, Gota Kakehi, Anusha Withana, Calista Lee, Daisuke Sakamoto, Maki Sugimoto, Masahiko Inami, and Takeo Igarashi. 2011. Detecting shape deformation of soft objects using directional photorefectivity measurement. In Proceedings of the 24th annual ACM symposium on User interface software and technology (UIST '11). ACM, New York, NY, USA, 509-516.

**Yuta Sugiura**, Calista Lee, Anusha Withana, Yasutoshi Makino, Masahiko Inami, and Takeo Igarashi. 2011. PINOKY: a ring that animates your plush toys. In SIGGRAPH Asia 2011 Emerging Technologies (SA '11). ACM, New York, NY, USA, , Article 14 , 1 pages.

**Yuta Sugiura**, Anusha Withana, Teruki Shinohara, Masayasu Ogata, Daisuke Sakamoto, Masahiko Inami, and Takeo Igarashi. 2011. Cooky: a cooperative cooking robot system. In SIGGRAPH Asia 2011 Emerging Technologies (SA '11). ACM, New York, NY, USA, , Article 17 , 1 pages.

Anusha Withana, **Yuta Sugiura**, Charith Fernando, Yuji Uema, Yasutoshi Makino, Maki Sugimoto, and Masahiko Inami. 2011. ImpAct: haptic stylus for shallow depth surface interaction. In SIGGRAPH Asia 2011 Emerging Technologies (SA '11). ACM, New York, NY, USA, , Article 10 , 1 pages.

Gota Kakehi, **Yuta Sugiura**, Anusha Withana, Calista Lee, Naohisa Nagaya, Daisuke Sakamoto, Maki Sugimoto, Masahiko Inami, and Takeo Igarashi. 2011. FuwaFuwa: detecting shape deformation of soft objects using directional photorefectivity measurement. In ACM SIGGRAPH 2011 Emerging Technologies (SIGGRAPH '11). ACM, New York, NY, USA, Article 5, 1 pages.

Wataru Yoshizaki, **Yuta Sugiura**, Albert C. Chiou, Sunao Hashimoto, Masahiko Inami, Takeo Igarashi, Yoshiaki Akazawa, Katsuaki Kawachi, Satoshi Kagami, and Masaaki Mochimaru. 2011. An actuated physical puppet as an input device for controlling a digital manikin. In Proceedings of the 2011 annual conference on Human factors in computing systems (CHI '11). ACM, New York, NY, USA, 637-646.

Takumi Shirokura, Daisuke Sakamoto, **Yuta Sugiura**, Tetsuo Ono, Masahiko Inami, and Takeo Igarashi, RoboJockey: Real-time, Simultaneous, and Continuous Creation of Robot Actions for Everyone, ACE2010 (7th International Conference on Advances in Computer Entertainment Technology) , Taiwan, November 17-19, 2010.

Takumi Shirokura, Daisuke Sakamoto, **Yuta Sugiura**, Masahiko Inami, Takeo Igarashi, and Tetsuo Ono, RoboJockey: Real-time, Simultaneous, and Continuous Creation of Robot Actions for Everyone, ACM Symposium on User Interface Software and Technology (UIST2010), Demonstration, Oct. 2010.

**Sugiura, Y.**, Sakamoto, D., Withana, A., Inami, M., and Igarashi, T. 2010. Cooking with Robots: Designing a Household System Working in Open Environments. In Proceedings of the 28th international Conference on Human Factors in Computing Systems (Atlanta, Georgia, USA, April 10 - 15, 2010). CHI '10. ACM, New York, NY, 2427-2430.

**Yuta Sugiura**, Charith Lasantha Fernando, Anusha Indrajith Withana, Gota Kakehi, Daisuke Sakamoto, Maki Sugimoto, Masahiko Inami, Takeo Igarashi and Masa Inakage, An Operating Method for a Bipedal Walking Robot for Entertainment, ACM SIGGRAPH ASIA 2009 Emerging Technologies, pp79-79, Yokohama, December 2009.

Furukawa, M., Nagaya, N., Tokiwa, T., Inami, M., Okoshi, A., Sugimoto, M., **Sugiura, Y.**, and Uema, Y. 2009. Fur display. In ACM SIGGRAPH ASIA 2009 Art Gallery & Emerging Technologies: Adaptation (Yokohama, Japan, December 16 - 19, 2009). SIGGRAPH ASIA '09. ACM, New York, NY, 70-70.

**Sugiura, Y.**, Igarashi, T., Takahashi, H., Gowon, T. A., Fernando, C. L., Sugimoto, M., and Inami, M. 2009. Graphical Instruction for a Garment Folding Robot. In ACM SIGGRAPH 2009 Emerging Technologies (New Orleans, Louisiana, August 03 - 07, 2009). SIGGRAPH '09. ACM, New York, NY, 1-1.

Ozaki, F., Imbe, T., Kiyasu, S., **Sugiura, Y.**, Mizukami, Y., Ishibashi, S., Sugimoto, M., Inami, M., Cheok, A. D., Okude, N., and Inakage, M. 2009. MYGLOBE: Cognitive Map as Communication Media. In SIGGRAPH '09: Posters (New Orleans, Louisiana, August 03 - 07, 2009). SIGGRAPH '09. ACM, New York, NY, 1-1.

## ■ LANGUAGE SKILL

### Japanese

Native

### English

Intermediate

## ■ AWARDS (PARTIAL LIST)

### Best Paper Silver Award

2010

ACE2010 (7th International Conference on Advances in Computer Entertainment Technology) , November 17-19, 2010.

### SUPER CREATOR

2009

Information-technology Promotion Agency (IPA) Exploratory Software

## ■ REFERENCE

### Prof. Masahiko Inami

Graduate School of Media Design, Keio University

<http://inami-lab.kmd.keio.ac.jp/inami/index.en.html>