



YUTA YOSHIIKE

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RESEARCH INTERESTS

Human-Robot Interaction(HRI), Sociable Robot, Social Interface, and Sociability of Robot

EDUCATION

Ph.D. Programs in Electronic and Information Engineering
Toyohashi University of Technology, Aichi Japan (2009 - current)

Concentration: Social robotics
Interaction & Communication Design Lab. (Michio Okada Lab)

Main Project: MAWARI
We propose original robot MAWARI as a social interface.
http://www.icd.tutkie.tut.ac.jp/projects/mawari_en.html

Other Project: COLUMN
<http://www.youtube.com/watch?v=bO4XRe0jaoA>

Master of Knowledge-based Information Engineering
Toyohashi University of Technology, Aichi Japan (2007 - 2009)

Concentration: Social robotics
Interaction & Communication Design Lab. (Michio Okada Lab)

Main Project: Sociable PC
Invented original social robot (Sociable PC) as a social companion. (myself)
http://www.icd.cs.tut.ac.jp/projects/spc_en.html

Other Project: Sociable Trash Box and Sociable Trash Box
Invented original social robots (Sociable Trash Box and Sociable Dining Table).
(collaborate with 2 colleagues)
http://www.icd.cs.tut.ac.jp/projects/stb_en.html
http://www.icd.cs.tut.ac.jp/projects/sdt_en.html

Bachelor of Knowledge-based Information Engineering
Toyohashi University of Technology, Aichi Japan (2005 - 2007)

Concentration: Social robotics
Interaction & Communication Design Lab. (Michio Okada Lab)

Associate of Electronics and Control Engineering
Nagano National College of Technology, Nagano JAPAN (2001 - 2005)

Concentration: Frequency analysis
Hiroshi Suzuki Lab.

PROFESSIONAL EXPERIENCE

Japan Society for Promotion Science (2010 - current)
Aichi, JAPAN, Research Fellow (DC2).

Global COE Program “Frontiers of Intelligent Sensing” (2009 - 2010)
Toyohashi University of Technology

Aichi, JAPAN, Research Associate.

Fujitsu Ten corp.
Aichi, JAPAN, Intern student.

(Jan, 2007 - Feb, 2007)

PUBLICATIONS

Journal Articles

Yuto Yamaji, Taisuke Miyake, Yuta Yoshiike, P. Ravindra S De Silva and Michio Okada:
STB:Child-Dependent Sociable Trash Box, International Journal of Social Robotics, Volume 3, Number 4,
Pages 359-370 (2011).

Yuta Yoshiike, Hiroyuki Ojima, P. Ravindra De Silva, Michio Okada: MAWARI : Participation Metaphor
based Social Interface, Journal of Human Interface Society, Vol.13, No.1, pp.1-8 (2011). (in Japanese)

Takanori Kamoda, Yuki Kado, Hideyuki Takei, Yuta Yoshiike, Michio Okada: Sociable Dining Table: To-
wards “KonKon” interface based on a mutual adaptation method, Journal of Human Interface Society,
Vol.12, No.1, pp.57-70, 2010. (in Japanese)

Yuta Yoshiike, Michio Okada: What Are Social Entities? : On Attribution of Social Homomorphism to Socia-
ble PC, Journal of IEICE, Vol.J92-A, No.11, pp.743-751, 2009. (in Japanese)

Yoshinori Yoshida, Yuta Yoshiike, Michio Okada, Sociable Trash Box : A robot collecting trashes with chil-
dren, Journal of Human Interface Society, Vol.11, No.1, pp.27-36, 2009.(in Japanese)

Refereed Conferences

Yuta Yoshiike, P. Ravindra S. De Silva, and Michio Okada: MAWARI:A Social Interface to Reduce the
Workload of the Conversation, Proc. of International Conference on Social Robotics 2011 (ICSR2011),
LNAI7072, pp.11-20, Novemver 24-25, 2011, Amsterdam, The Netherlands.

Yuta Yoshiike, Hiroyuki Ojima, P. Ravindra S De Silva and Michio Okada: MAWARI: An Interactive Social
Interface, 6th ACM/IEEE International Conference on Human-Robot Interaction (HRI2011), (to appear),
March 6-9, 2011 Lausanne, Switzerland. (to appear)

Yasutaka Takeda, Yuta Yoshiike, P. Ravindra S De Silva and Michio Okada: COLUMN:Dynamic of Inter-
personal Coordination (video session), 6th ACM/IEEE International Conference on Human-Robot Interac-
tion (HRI2011), (to appear), March 6-9, 2011 Lausanne, Switzerland. (to appear)

Yuto Yamaji, Taisuke Miyake, Yuta Yoshiike, P. Ravindra De Silva and Michio Okada: STB: Intentional
Stance Grounded Child-dependent Robot, Proc. of International Conference on Social Robotics (ICSR
2010), LNAI 6414, pp.71-80, November 23-24, Singapore (2010). **(The Best Paper Finalist)**

Yuki Kado, Takanori Kamoda, Yuta Yoshiike, P. Ravindra S. De Silva, and Michio Okada: Reciprocal-
Adaptation in a Creature-based Futuristic Sociable Dining Table, Proc. of 19th IEEE International Symposi-
um in Robot and Human Interactive Communication (Ro-Man 2010), WeP2T2.4, Sep. 12-15, Viareggio,
Italy (2010).

Yuta Yoshiike, P. Ravindra De Silva and Michio Okada: Cues for Sociable PC: Coordinate and Synchronize Its Cues based on User Attention and Activities on Display, Proceeding of the 5th ACM/IEEE international conference on Human-robot interaction (HRI2010), pp.135-136, 2010.

Yuto Yamaji, Taisuke Miyake, Yuta Yoshiike, P. Ravindra De Silva and Michio Okada: STB: Human-Dependent Sociable Trash Box, Proceeding of the 5th ACM/IEEE international conference on Human-robot interaction (HRI2010), pp.197-198, 2010. **(The best Late-Breaking paper)**

Yuki Kado, Takanori Kamoda, Yuta Yoshiike, P. Ravindra De Silva and Michio Okada: Sociable Dining Table: The Effectiveness of a "KonKon" Interface for Reciprocal Adaptation, Proceeding of the 5th ACM/IEEE international conference on Human-robot interaction (HRI2010), pp.105-106, 2010.

ACTIVITIES

Project Member/Staff of Creating NEXT-Generation Robot Project (2007-2009)

<http://www.icd.cs.tut.ac.jp/pbl/>

Project Member/Staff of TUT Open Challenge Project (2010 - Current)

<http://www.icd.cs.tut.ac.jp/TUTOCP/>

LANGUAGE SKILL

Japanese: Native

English: Lower-Intermediate

COMPUTER SKILLS

Languages: C/C++, Java, Python, PHP, HTML, JavaScript

Platforms: Linux(Debian, Ubuntu), Microcomputer(SH2, H8)

Other Technical Skills: Simple machine work(bench drill, electric saw, and so on), 3D Plotter Milling Machine (Roland, MDX-40A), 3D CAD(SolidWorks), Adobe CS4 (Illustrator, Photoshop, Premiere)

AWARDS

Outstanding Research Award

Symposium on Human-Agent Interaction (HAI2010), December 2011

Outstanding Paper Award

2011 Workshop on Informatics (WiNF2011), Tokai Branch, Information Processing Society of JAPAN, November 2011

11th Outstanding Paper Award

Journal of Human Interface Society, JAPAN, March 2011

Outstanding Activity Award for Sensing Architect

Global COE Program "Frontiers of Intelligent Sensing", Toyohashi University of Technology, March 2011

The Best Paper Finalist

Springer 2nd International Conference on Social Robotics (ICSR 2010), November 2010

The Best Late-Breaking Paper

5th ACM/IEEE international conference on Human-robot interaction (HRI 2010), March 2010

Nominated Works of Interactive Category

12th The Computer Graphics Contest for Students, CG-ARTS Society, JAPAN 2006

REFERENCE

Prof. Michio OKADA

Dept. of Information and Computer Science, Toyohashi University of Technology

<http://www.icd.cs.tut.ac.jp/~okada/>