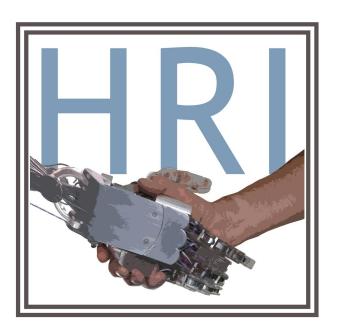


CONFERENCE PROGRAM

Third International Conference on Human-Robot Interaction (HRI 2008)

12-15 March 2008 Amsterdam, The Netherlands



www.hri2008.org











00.00	Thursday (March 13, 2008)	Friday (March 14, 2008)	Saturday (March 15, 2008)
09:00	Welcome	Announcements	Summary Young Researchers Workshop
09:10	Keynote: Herb Clark	Keynote: Raja Chatila	Keynote: Harold Bekkering
10:10	Short Break	Short Break	Short Break
10:20	Generating Haptic-Ostensive Referring Expressions in Cooperative, Task-based Human-Robot Dialogue	Combining Dynamical Systems Control and Programming by Demonstration for Teaching Discrete Bimanual Coordination Tasks to a Humanoid Robot	A comparative psychophysical and EEG study of different feedback modalities for HRI
10:45	Object Schemas for Responsive Robotic Language Use	Learning Polite Behavior with Situation Models	Theory of Mind (ToM) on Robots: A Functional Neuroimaging Study
11:10	Coffee Break	Coffee Break	Coffee Break
11:40	Understanding Human Intentions via Hidden Markov Models in Autonomous Mobile Robots	Towards Combining UAV and Sensor Operator Roles in UAV-Enabled Visual Search	Robots in Organizations: The Role of Workflow, Social, and Environmental Factors in Human- Robot Interaction
12:05	Poster Teaser Presentations I	How training and experience affect the benefits of autonomy in a dirty-bomb experiment	Crew Roles and Operational Protocols for Rotary-Wing Micro-UAVs in Close Urban Environments
12:30	Lunch Break	Lunch Break Live Demo Session	Lunch Break Informal Posters Student Lego Competition
14:00	Using a Robot Proxy to Create Common Ground in Exploration Tasks	Simultaneous Teleoperation of Multiple Social Robots	Concepts about the capabilities of computers and robots: A test of the scope of adults' theory of mind
14:25	How Quickly Should Communication Robots Respond?	A Point-and-Click Interface for the Real World: Laser-Designation of Targets for a Mobile Manipulator	Beyond Dirty, Dangerous and Dull: What Everyday People Think Robots Should Do
14:50	Spiral response-casccades hypothesis -Intrapersonal responding-cascade in gaze interaction	Three Dimensional Tangible User Interface for Controlling a Robotic Team	Design Patterns for Sociality in Human-Robot Interaction
15:15	Coffee Break	Coffee Break	Coffee Break
15:45	A Hybrid Algorithm for Tracking and Following People using a Robotic Dog	Governing Lethal Behavior: Embedding Ethics in a Hybrid Deliberative/Reactive Robot Architecture - Part I: Motivation and Philosophy	Video Session
16:10 16:25	Reasoning for a multi-modal service robot considering uncertainty in human-robot interaction	Daneli Daha athica	
16:35 17:00		Panel: Robo-ethics	Panel: What is HRI?
17:10	Poster Teaser Presentations II	Break	Awards, HRI 2009, Closing Remarks
17:30 -20:30	Poster Session, Microsoft Reception	IOPMMI Boat trip and Reception in City Hall	

HRI-2008 Papers (alphabetical order by title)

A Comparative Psychophysical and EEG Study of Different Feedback Modalities for HRI Xavier Perrin, Ricardo Chavarriaga, Celine Ray, Roland Siegwart, Jose del R. Millan

A Hybrid Algorithm for Tracking and Following People using a Robotic Dog Martijn Liem, Arnoud Visser, Frans Groen

A Point-and-Click Interface for the Real World: Laser Designation of Objects for Mobile Manipulation Charlie Kemp, Cressel Anderson, Hai Nguyen, Alexander Trevor, Zhe Xu

A Semi-autonomous Communication Robot - A Field Trial at a Train Station - Masahiro Shiomi, Daisuke Sakamoto, Takayuki Kanda, Carlos Toshinori Ishi, Hiroshi Ishiguro, Norihiro Hagita

Achieving Fluency through Practice in Human-Robot Collaboration Guy Hoffman, Cynthia Breazeal

Assessing Cooperation in Human Control of Heterogeneous Robots *Jijun Wang, Huadong Wang, Michael Lewis*

Behaviour Delay and Robot Expressiveness in Child-Robot Interactions: A User Study on Interaction Kinesics Ben Robins, Kerstin Dautenhahn, Rene te Boekhorst, Chrystopher L. Nehaniv

Beyond Dirty, Dangerous and Dull: What Everyday People Think Robots Should Do Leila Takayama, Wendy Ju, Clifford Nass

Combining Dynamical Systems Control and Programming by Demonstration for Teaching Discrete Bimanual Coordination Tasks to a Humanoid Robot *Elena Gribovskaya, Aude Billard*

Compass Visualization for Human-Robotic Interaction Curtis Humphrey and Julie A. Adams

Concepts about the capabilities of computers and robots: A test of the scope of adults' theory of mind Daniel Levin, Stephen Killingsworth, Megan Saylor

Construction and Evaluation of a Model of Natural Human Motion based on Motion Diversity Takashi Minato, Hiroshi Ishiguro

Crew Roles and Operational Protocols for Rotary-Wing Micro-UAVs in Close Urban Environments Robin Murphy, Kevin Pratt, Jenny Burke

Crossmodal Content Binding in Information-Processing Architectures Henrik Jacobsson, Nick Hawes, Geert-Jan Kruijff, Jeremy Wyatt

Decision-Theoretic Human-Robot Communication *Tobias Kaupp, Alexei Makarenko*

Design Patterns for Sociality in Human-Robot Interaction Peter Kahn, Nathan Freier, Takayuki Kanda, Hiroshi Ishiguro, Jolina Ruckert, Rachel Severson, Shaun Kane

Development and Evaluation of a Flexible Interface for a Wheelchair Mounted Robotic Arm Katherine Tsui, Holly Yanco, David Kontak, Linda Beliveau

Enjoyment, intention to use and actual use of a conversational robot by elderly people Marcel Heerink, Ben Krˆse, Bob Wielinga, Vanessa Evers

Governing Lethal Behavior: Embedding Ethics in a Hybrid Deliberative/Reactive Robot Architecture - Part I: Motivation and Philosophy Ronald Arkin

Housewives or Technophiles?: Understanding Domestic Robot Owners Ja-Young Sung, Rebecca Grinter, Henrik Christensen, Lan Guo

How Close? Model of Proximity Control for Information-presenting Robots Fumitaka Yamaoka, Takayuki Kanda, Hiroshi Ishiguro, Norihiro Hagita

How People Anthropomorphize Robots Susan Fussell, Sara Kiesler, Leslie Setlock, Victoria Yew

How Quickly Should Communication Robots Respond? Toshiyuki Shiwa, Takayuki Kanda, Michita Imai, Hiroshi Ishiguro, Norihiro Hagita

How training and experience affect the benefits of autonomy in a dirty-bomb experiment David Bruemmer, Curtis Nielsen, David Gertman

Human Emotion and the Uncanny Valley: A GLM, MDS, and ISOMAP Analysis of Robot Video Ratings Chin-Chang Ho, Karl MacDorman, Z. A. Dwi Pramono

Human to Robot Demonstrations of Routine Home Tasks: Exploring the Role of the Robot's Feedback Nuno Otero, Aris Alissandrakis, Kerstin Dautenhahn, Chrystopher Nehaniv, Dag Syrdal, Kheng Lee Koay

Hybrid Tracking of Human Operators using IMU/UWB Data Fusion by a Kalman Filter J. A. Corrales, F. A. Candelas, F. Torres

Integrating vision and audition within a cognitive architecture to track conversations Greg Trafton, Magdalena Bugajska, Benjamin Fransen, Raj Ratwani

Learning Polite Behavior with Situation Models

James CROWLEY, Remi BARRAOUAND

Loudness Measurement of Human Utterance to a Robot in Noisy Environment Satoshi KAGAMI, Yoko SASAKI, Simon THOMPSON, Tomoaki FUJIHARA, Tadashi ENOMOTO, Hiroshi MIZOGUCHI

Multi-Thresholded Approach to Demonstration Selection for Interactive Robot Learning Sonia Chernova, Manuela Veloso

Object Schemas for Responsive Robotic Language Use Kai-yuh Hsiao, Soroush Vosoughi, Stefanie Tellex, Rony Kubat, Deb Roy

Reasoning for a Multi-Modal Service Robot Considering Uncertainty in Human-Robot Interaction Sven Schmidt-Rohr, Steffen Knoop, Martin L^sch, R¸diger Dillmann

Relational vs. Group Self-Construal: Untangling the Role of National Culture in HRI Vanessa Evers, Heidy Maldonado, Talia Brodecki, Pamela Hinds

Robot Social Presence and Gender: Do Females View Robots Differently than Males? Paul Schermerhorn, Matthias Scheutz, Charles Crowell

Robotic Animals Might Aid in the Social Development of Children with Autism Cady Stanton, Peter Kahn, Rachel Severson, Jolina Ruckert, Brian Gill

Robotics Operator Performance in a Military Multi-Tasking Environment *Jessie Chen, Michael Barnes*

Robots in Organizations: The Role of Workflow, Social, and Environmental Factors in Human-Robot Interaction Bilge Mutlu, Jodi Forlizzi

Simultaneous Teleoperation of Multiple Social Robots Dylan Glas, Takayuki Kanda, Hiroshi Ishiguro, Norihiro Hagita

Spiral response-casccade hypothesis -Intrapersonal responding-cascade in gaze interaction-Yuichiro Yoshikawa, Shunsuke Yamamoto, Hidenobu Sumioka, Hiroshi Ishiguro, Minoru Asada

Supervision and Motion Planning for a Mobile Manipulator Interacting with Humans Emrah Akin Sisbot, Aurelie Clodic, Rachid Alami, Maxime Ransan

The Roles of Haptic-Ostensive Referring Expressions in Cooperative, Task-based Human-Robot Dialogue Mary Ellen Foster, Ellen Gurman Bard, Markus Guhe, Robin L. Hill, Jon Oberlander, Alois Knoll

Theory of Mind (ToM) on Robots: A Functional Neuroimaging Study Frank Hegel, Soeren Krach, Tilo Kircher, Britta Wrede, Gerhard Sagerer

Three Dimensional Tangible User Interface for Controlling a Robotic Team Paul Lapides, Ehud Sharlin, Mario Costa Sousa

Toward Multimodal Human-Robot Interaction in Large Scale Virtual Environment Pierre Boudoin, Christophe Domingues, Samir Otmane, Nassima Ouramdane, Malik Mallem

Towards Combining UAV and Sensor Operator Roles in UAV-Enabled Visual Search Joseph Cooper, Michael Goodrich

Understanding Human Intentions via Hidden Markov Models in Autonomous Mobile Robots Richard Kelley, Alireza Tavakkoli, Christopher King, Monica Nicolescu, Mircea Nicolescu, George Bebis

Using a Robot Proxy to Create Common Ground in Exploration Tasks *Kristen Stubbs, David Wettergreen, Illah Nourbakhsh*