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Content List of 20th IEEE International Symposium on Robot and Human Interactive Communication

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Ros Espinoza, Raquel	LAAS - CNRS
Alami, Rachid	CNRS
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DePalma, Nick	Georgia Inst. of Tech.
Morant, Elisabeth	Massachusetts Inst. of Tech.
Breazeal, Cynthia	MIT
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Tabata, Tomoya	Saitama Univ.
Kuno, Yoshinori	Saitama Univ.
Yamazaki, Keiichi	Saitama Univ.
Shibuya, Momoyo	Saitama Univ.
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Dong, Yanchao	Kumamoto Univ.
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Nourbakhsh, Illah Reza	Carnegie Mellon Univ.
Simmons, Reid	Carnegie Mellon Univ.
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Veloso, Manuela	Carnegie Mellon Univ.
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Koo, Seongyong	KAIST
Park, Kiru	Hyundai Company
Kim, Hyun	ETRI (Electronics and Telecommunications Res.
Kwon, Dong-Soo	KAIST
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Huang, Chien-Ming	Univ. of Wisconsin-Madison
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Gieselmann, Sebastian	CoR-Lab. Applied Informatics Group, Bielefeld, Germany
Peters, Annika	Bielefeld Univ. Faculty of Tech. Applied Informatics
Holthaus, Patrick	Bielefeld Univ.
Wrede, Britta	Bielefeld Univ.
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Greenberg, Saul	Univ. of Calgary
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Hinte, Sascha	Bielefeld Univ.
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Samadani, Ali-Akbar	Univ. of Waterloo
DeHart, Brandon J	Univ. of Waterloo
Robinson, Kirsten	Univ. of Waterloo
Kulic, Dana	Univ. of Waterloo
Kubica, Eric	Univ. of Waterloo
Gorbet, Robert B.	Univ. of Waterloo
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Language and Communication (Regular Session)

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Costa, Sandra	Univ. do Minho
Soares, Filomena	Univ. do Minho
Santos, Cristina	Univ. of Minho
Moreira, Maria de Fátima	APPACDM
Pereira, Ana Paula	APPACDM
Cunha, Fernanda	APPACDM
Ferreira, Manuel	Univ. of Minho

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Lemaignan, Séverin	LAAS/CNRS
Ros Espinoza, Raquel	LAAS - CNRS
Alami, Rachid	CNRS
Beetz, Michael	Tech. Univ. München

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Torres Peralta, Raquel	Univ. of Arizona
Kaochar, Tasneem	Univ. of Arizona
Fasel, Ian	The Univ. of Arizona
Morrison, Clayton	Univ. of Arizona
Walsh, Thomas	Univ. of Arizona
Cohen, Paul	Univ. of Arizona

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Heikkilä, Seppo Sakari	Aalto Univ.
Halme, Aarne J.	Helsinki Univ. of Tech.

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Learning Actions from Human-Robot Dialogues, pp. 125-130.

Cantrell, Rehj	Indiana Univ.
Schermerhorn, Paul	Indiana Univ.
Scheutz, Matthias	Tufts Univ.

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16:15-16:38 SuSession3T1.1

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Petersen, Klaus	Waseda Univ.
Fukui, Kotaro	Waseda Univ.
Lin, Zhuohua	Waseda Univ.
Endo, Nobutsuna	Waseda Univ.
Ebihara, Kazuki	Waseda Univ.
Ishii, Hiroyuki	Waseda Univ.
Zecca, Massimiliano	Waseda Univ.
Takanishi, Atsuo	Waseda Univ.
Asfour, Tamim	Karlsruhe Inst. of Tech. (KIT)
Dillmann, Rüdiger	KIT Karlsruhe Inst. für Tech.

16:38-17:01 SuSession3T1.2

A Long-Term Human-Robot Proxemic Study, pp. 137-142.

Walters, Michael Leonard	Univ. of Hertfordshire
Asghari Oskoei, Mohammadreza	Univ. of Essex
Syrdal, Dag Sverre	Univ. of Hertfordshire
Dautenhahn, Kerstin	Univ. of Hertfordshire

17:01-17:24 SuSession3T1.3

Collocated Interaction with Flying Robots, pp. 143-149. [Attachment](#)

Ng, Wai Shan (Florence)	Univ. of Calgary
Sharlin, Ehud	Univ. of Calgary

17:24-17:47 SuSession3T1.4

Human-Like Variable-Impedance Control for Life-Cycle Testing, pp. 150-155.

Surdilovic, Dragoljub	Fraunhofer IPK
Nguyen, Tuan Minh	Tech. Univ. Berlin
Radojicic, Jelena	Fraunhofer Inst. IPK Berlin

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A Mobile Robot Platform Based on Spring Loaded Casters for Physical Interaction, pp. 156-161.

Kwon, Oh-Hun	KAIST
Song, Hyunsoo	KAIST
Kwon, Dong-Soo	KAIST

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Organizer: Osawa, Hirotaka	Keio Univ.
Organizer: Yamada, Seiji	National Inst. of Informatics
Organizer: Ono, Tetsuo	Hokkaido Univ.

16:15-16:38 SuSession3T2.1

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Wongphati, Mahisorn	Keio Univ.
Osawa, Hirotaka	Keio Univ.
Imai, Michita	Keio Univ.

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Ito, Akira	Gifu Univ.
Terada, Kazunori	Gifu Univ.

17:01-17:24 SuSession3T2.3

Awareness of Human's Subjective Efficiency in Collaborative HAI Situation (I), pp. 175-180.

Suzuki, Masanori	Shizuoka Univ.
Takeuchi, Yugo	Shizuoka Univ.

17:24-17:47 SuSession3T2.4

Blinking Light Patterns As Artificial Subtle Expressions in Human-Robot Speech Interaction (I), pp. 181-186.

Kobayashi, Kazuki	Shinshu Univ.
Funakoshi, Kotaro	Honda Res. Inst. Japan Co., Ltd.
Yamada, Seiji	National Inst. of Informatics
Nakano, Mikio	Honda Res. Inst. Japan
Komatsu, Takamori	Shinshu Univ.
Saito, Yasunori	Shinshu Univ.

17:47-18:10 SuSession3T2.5

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Kaneko, Tetsuya
Ono, Tetsuo
Munekata, Nagisa

Hokkaido Univ.
Hokkaido Univ.
Hokkaido Univ.

Technical Program for Monday August 1, 2011

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Ahn, Ho Seok	Korea Inst. of Industrial Tech.	
Choi, Jin Young	Seoul National Univ.	
Lee, Dong-Wook	Korea Inst. of Industrial Tech.	
Shon, Wh	KITECH	
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Lorenz, Tamara	Ludwig-Maximilians-Univ. Munich	
Mörtl, Alexander	Tech. Univ. München	
Vlaskamp, Björn	Ludwig-Maximilians Univ.	
Schuboe, Anna	Ludwig-Maximilian Univ. Munich	
Hirche, Sandra	Tech. Univ. München	
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Häring, Markus	Augsburg Univ.	
Bee, Nikolaus	Augsburg Univ.	
André, Elisabeth	Univ. Augsburg	
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St. Clair, Aaron	Univ. of Southern California	
Mead, Ross	Univ. of Southern California	
Mataric, Maja	Univ. of Southern California	
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Salerno, Amos	Faculty of Computer Engineering, Genoa Univ.	
Viziano, Fabio	Univ. di Genova	
Mastrogiovanni, Fulvio	Univ. of Genova, Italy	
Sgorbissa, Antonio	Univ. of Genova	
Zaccaria, Renato	Univ. of Genova	
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Haas, Ellen	U.S. Army Res. Lab.	
Pillalamarri, Krishna	U.S. Army Res. Lab.	
Stachowiak, Chris	Army Res. Lab.	
Fields, MaryAnne	Army Res. Lab.	
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Larochelle, Benoit	DFKI GmbH	
Kruijff, Geert-Jan	German Res. Center for AI	
Mioch, Tina	TNO	

Smets, Nanja		TNO
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Chao, Crystal	Georgia Inst. of Tech.	
Lee, Jinhan	Center for Robotics and Intelligent Machines Georgia Inst. o	
Begum, Momotaz	Univ. of Waterloo	
Thomaz, Andrea Lockerd	Georgia Inst. of Tech.	
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Holroyd, Aaron	Worcester Pol. Inst.	
Rich, Charles	Worcester Pol. Inst.	
Sidner, Candace	Worcester Pol. Inst.	
Ponsler, Brett	Worcester Pol. Inst.	
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Salem, Maha	Bielefeld Univ.	
Rohlfing, Katharina	Bielefeld Univ.	
Kopp, Stefan	Bielefeld Univ.	
Joublin, Frank	Honda Res. Inst. Europe	
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Nikolopoulos, Chris	Bradley Univ.	
Kuester, Deitra	Bradley Univ.	
Sheehan, Mark	Bradley Univ.	
Ramteke, Shashwati	Bradley Univ.	
Karmarkar, Aniket	Bradley Univ.	
Thota, Supriya	Bradley Univ.	
Kearney, Joseph	Bradley Univ.	
Boirum, Curtis	Bradley Univ.	
Bojedla, Sunnihith	Bradley Univ.	
Lee, Angela	Bradley Univ.	
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Capi, Genci	Univ. of Toyama	
Toda, Hideki	Univ. of Toyama	
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Ohnuma, Takanori	Japan Advanced Inst. of Sci. and Tech.	
Lee, Geunho	Japan Advanced Inst. of Sci. & Tech.	
Chong, Nak Young	Japan Advanced Inst. of Sci. and Tech.	
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Jung, Hee-Tae	Univ. of Massachusetts Amherst	

Baird, Jennifer	Univ. of Massachusetts
Choe, Yu-kyong	Univ. of Massachusetts Amherst
Grupen, Rod	Univ. of Massachusetts

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Bekele, Esubalew T.	Vanderbilt Univ.
Lahiri, Uttama	Vanderbilt Univ.
Davidson, Julie	Vanderbilt Univ.
Warren, Zachary	Vanderbilt Univ.
Sarkar, Nilanjan	Vanderbilt Univ.

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An Augmented Reality System for Teaching Sequential Tasks to a Household Robot, pp. 282-287. [Attachment](#)

Fung, Richard	Univ. of Calgary
Hashimoto, Sunao	Japan Science and Tech. Agency
Inami, Masahiko	Keio Univ.
Igarashi, Takeo	The Univ. of Tokyo

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Emeli, Victor	Georgia Inst. of Tech.
Christensen, Henrik Iskov	Georgia Inst. of Tech.

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Chan, Jeanie	Univ. of Toronto
Nejat, Goldie	Univ. of Toronto

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Suzuki, Takuo	Univ. of Tsukuba
Jose, Yuta	Univ. of Tsukuba
Nakauchi, Yasushi	Univ. of Tsukuba

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Kawaguchi, Yukitaka	National Inst. of Advanced Industrial Science and Technology
Wada, Kazuyoshi	Tokyo Metropolitan Univ.
Okamoto, Masako	Obihiro Univ. of Agriculture and Veterinary Medicine
Tsujii, Takeo	Nihon Univ. School of Medicine
Shibata, Takanori	National Inst. of AIST
Sakatani, Kaoru	Nihon Univ. School of Medicine

MoSession3T1 Room 1
Human Behavior, Communication, and Interaction (Special Session)

Organizer: Suzuki, Satoshi	Tokyo Denki Univ.
Organizer: Harashima, Fumio	Tokyo Metropolitan Univ.

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Context-Aware Bayesian Intention Estimator Using Self-Organizing Map and Petri Net (I), pp. 314-320.

Suzuki, Satoshi	Tokyo Denki Univ.
Harashima, Fumio	Tokyo Metropolitan Univ.

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Nakanishi, Masaki	Keio Univ.
Mitsukura, Yasue	Graduate School of Bio-Applications and System Engineering
Hara, Akira	Foster Electric Company, LTD.

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The Proposal of Model-Based Initial Frame Alignment Using Real-Coded GA for Mixed Reality (I), pp. 325-330.

Fuji, Taiki	Tokyo Univ. of Agriculture and Tech.
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Fukai, Hironobu	Ritsumeikan Univ.
Mitsukura, Yasue	Graduate School of Bio-Applications and System Engineering

Tanabata, Takanari	National Inst. of Agrobiological Sciences
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Moriya, Toshio	Advanced Res. Lab. Hitachi, Ltd.
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17:24-17:47 MoSession3T1.4

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Fukai, Hironobu	Ritsumeikan Univ.
Xu, Gang	Ritsumeikan Univ.

17:47-18:10 MoSession3T1.5

Relation between Skill Acquisition and Task Specific Human Speech in Collaborative Work (I), pp. 337-342.

Nakata, Shuichi	Tokyo Denki Univ.
Kobayashi, Harumi	Tokyo Denki Univ.
Yasuda, Tetsuya	Tokyo Denki Univ.
Kumata, Masafumi	Tokyo Denki Univ.
Suzuki, Satoshi	Tokyo Denki Univ.
Igarashi, Hiroshi	Tokyo Denki Univ.

MoSession3T2 Room 2
Interactive Robots in Public Spaces (Special Session)

Organizer: Kühnlenz, Kolja	Tech. Univ. München
Organizer: Wollherr, Dirk	Tech. Univ. München

16:15-16:38 MoSession3T2.1

A Case Study on the Effect of Feedback on Itinerary Requests in Human-Robot Interaction (I), pp. 343-349.

Mirrig, Nicole	ICT&S Center Univ. of Salzburg
Riegler, Stefan	ICT&S Center Univ. of Salzburg
Weiss, Astrid	Univ. of Salzburg
Tscheligi, Manfred	Univ. of Salzburg

16:38-17:01 MoSession3T2.2

Improving Aspects of Empathy and Subjective Performance for HRI through Mirroring Facial Expressions (I), pp. 350-356.

Gonsior, Barbara	Tech. Univ. München, Inst. of Automatic Control E
Sosnowski, Stefan	Tech. Univ. München
Mayer, Christoph	Tech. Univ. München
Blume, Jürgen	TU München

Radig, Bernd	TU Muenchen
Wollherr, Dirk	Tech. Univ. München
Kühnlenz, Kolja	Tech. Univ. München

17:01-17:24 MoSession3T2.3

Real-Time 3D Hand Gesture Interaction with a Robot for Understanding Directions from Humans (I), pp. 357-362.

Van den Bergh, Michael	ETH Zürich
Carton, Daniel	Tech. Univ. München
de Nijs, Roderick	Univ. Pol. de Valencia
Mitsou, Nikos	National Tech. Univ. of Athens
Landsiedel, Christian Wilhelm	Tech. Univ. München
Wollherr, Dirk	Tech. Univ. München
Kuehnlenz, Kolja	TUM
Van Gool, Luc	ETH Zurich
Buss, Martin	Tech. Univ. München

17:24-17:47 MoSession3T2.4

Following Route Graphs in Urban Environments (I), pp. 363-368.

de Nijs, Roderick	Univ. Pol. de Valencia
Juliá, Miguel	Miguel Hernández Univ.
Mitsou, Nikos	National Tech. Univ. of Athens
Gonsior, Barbara	Tech. Univ. München, Inst. of Automatic Control E
Wollherr, Dirk	Tech. Univ. München
Kühnlenz, Kolja	Tech. Univ. München
Buss, Martin	Tech. Univ. München

17:47-18:10 MoSession3T2.5

Dialog Strategies for Handling Miscommunication in Task-Related HRI (I), pp. 369-375.

Gonsior, Barbara	Tech. Univ. München, Inst. of Automatic Control E
Landsiedel, Christian	Tech. Univ. München
Wollherr, Dirk	Tech. Univ. München
Buss, Martin	Tech. Univ. München
Glaser, Antonia	Tech. Univ. Muenchen

Technical Program for Tuesday August 2, 2011

TuSession1T1		Room 1
Haptic Interfaces (Regular Session)		
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<i>How to Walk a Robot: A Dog-Leash Human-Robot Interface</i> , pp. 376-382. Attachment		
Young, James Everett		Univ. of Manitoba
Kamiyama, Youichi		JST ERATO Igarashi Design Interface Project
Reichenbach, Juliane		Univ. of Tokyo
Igarashi, Takeo		The Univ. of Tokyo
Sharlin, Ehud		Univ. of Calgary
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Avizzano, Carlo Alberto		Scuola Superiore S. Anna
Satler, Massimo		Scuola Superiore Sant'Anna
Cappiello, Giovanni		Scuola Superiore Santa Anna
Scoglio, Andrea		HumanWare s.r.l
Ruffaldi, Emanuele		Scuola Superiore S. Anna
Bergamasco, Massimo		Scuola Superiore S. Anna
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Randelli, Gabriele		Sapienza Univ. of Rome
Venanzi, Matteo		Univ. of Southampton
Nardi, Daniele		Sapienza Univ. of Rome
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Elton, Mark		Georgia Inst. of Tech.
Book, Wayne		Georgia Inst. of Tech.
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Jirattigalachote, Wisit		Stanford Univ.
Shull, Pete		Stanford Univ.
Cutkosky, Mark		Stanford Univ.
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Kamejima, Kohji		Osaka Inst. of Tech.
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Hashimoto, Hiroshi		Advanced Inst. of Industrial Tech.
11:01-11:24		TuSession1T2.3
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Kristou, Mehrez		Tsukuba Univ.
Ohya, Akihisa		Univ. of Tsukuba
Yuta, Shinichi		Univ. of Tsukuba

11:24-11:47		TuSession1T2.4
<i>Perception Systems for Naturally Interacting Humanoid Robots</i> , pp. 425-432.		
Schmitz, Norbert		Univ. of Kaiserslautern
Berns, Karsten		Univ. of Kaiserslautern
11:47-12:10		TuSession1T2.5
<i>Histogram Based Classification of Tactile Patterns on Periodically Distributed Skin Sensors for a Humanoid Robot</i> , pp. 433-440.		
Ji, Ze		Univ. of Hertfordshire
Amirabdollahian, Farshid		The Univ. of Hertfordshire
Polani, Daniel		Univ. of Hertfordshire
Dautenhahn, Kerstin		Univ. of Hertfordshire
TuSession2T1		Room 1
Motion and Action (Regular Session)		
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<i>Exploring the Affect of Abstract Motion in Social Human-Robot Interaction</i> , pp. 441-448. Attachment		
Harris, John		Univ. of Calgary
Sharlin, Ehud		Univ. of Calgary
14:08-14:31		TuSession2T1.2
<i>Generating Anticipation in Robot Motion</i> , pp. 449-454. Attachment		
Gielniak, Michael Joseph		Georgia Inst. of Tech.
Thomaz, Andrea Lockerd		Georgia Inst. of Tech.
14:54-15:17		TuSession2T1.4
<i>Human-Like Action Segmentation for Option Learning</i> , pp. 455-460. Attachment		
Shim, Jaeun		Georgia Inst. of Tech.
Thomaz, Andrea Lockerd		Georgia Inst. of Tech.
15:17-15:40		TuSession2T1.5
<i>Evaluation of Action-Similarity Awareness Effect in Rhythm Ensemble Co-Creation</i> , pp. 461-466.		
Sato, Hiroki		The Univ. of Tokyo
Kuniyoshi, Yasuo		The Univ. of Tokyo
TuSession2T2		Room 2
Methods and Foundations (Regular Session)		
13:45-14:08		TuSession2T2.1
<i>Manipulating Anthropomorphic Inferences about NAO: The Role of Situational and Dispositional Aspects of Effectance Motivation</i> , pp. 467-472.		
Eyssel, Friederike		Univ. of Bielefeld
Kuchenbrandt, Dieta		Bielefeld Univ. Center of Excellence Cognitive Interaction
14:08-14:31		TuSession2T2.2
<i>Human-Robot Interactions As Theatre</i> , pp. 473-478.		
Lu, David V.		Washington Univ. in St. Louis
Smart, William		Washington Univ. in St. Louis
14:31-14:54		TuSession2T2.3
<i>The Theatre Methodology for Facilitating Discussion in Human-Robot Interaction on Information Disclosure in a Home Environment</i> , pp. 479-484.		
Syrdal, Dag Sverre		Univ. of Hertfordshire
Dautenhahn, Kerstin		Univ. of Hertfordshire
Walters, Michael Leonard		Univ. of Hertfordshire

Koay, Kheng Lee	Univ. of Hertfordshire
Otero, Nuno	Univ. of Minho
14:54-15:17	TuSession2T2.4
<i>Bridging the Gap between Users' Expectations and System Evaluations</i> , pp. 485-490.	
Lohse, Manja	Bielefeld Univ.
TuSession3PL	Room 1-2
Anniversary Session (Special Session)	
Organizer: Scheutz, Matthias	Tufts Univ.
16:00-16:15	TuSession3PL.1
<i>Redefinition of RO-MAN Scope -Message from the Founding Period (I)*.</i>	
Kobayashi, Hisato	Hosei Univ.
Hara, Fumio	Tokyo Univ. of Science
16:15-16:30	TuSession3PL.2
<i>Robotic Communication With/within Annotated Geographics – Message from RO-MAN 2000 – (I)</i> , pp. 491-496.	
Kamejima, Kohji	Osaka Inst. of Tech.
16:30-16:45	TuSession3PL.3
<i>Human Motion Models for HRI: Part I (I)*.</i>	
Avizzano, Carlo Alberto	Scuola Superiore S. Anna
Lippi, Vittorio	Scuola Superiore Sant'Anna
16:45-17:00	TuSession3PL.4
<i>How to Give Affective MIND to Robots: Emotional Human-Robot Interaction (I)*.</i>	
Kwon, Dong-Soo	KAIST
Park, Jong-Chan	KAIST
Koo, Seongyong	KAIST
17:00-17:15	TuSession3PL.5
<i>Embodied Interaction and Communication Technology (I)*.</i>	
Watanabe, Tomio	Okayama Prefectural Univ.
17:15-17:30	TuSession3PL.6
<i>Therapy Robotics: The Power of the Interface to Motivate (I)*.</i>	
Van der Loos, H.F. Machiel	Univ. of British Columbia (UBC)
17:30-17:45	TuSession3PL.7
<i>Haptic Interfaces for Embodiment in Virtual Environments (I)*.</i>	
Bergamasco, Massimo	Scuola Superiore S. Anna
Ruffaldi, Emanuele	Scuola Superiore S. Anna
17:45-18:00	TuSession3PL.8
<i>Interaction Design Based on Robotics for Our Society (I)*.</i>	
Shibata, Takanori	National Inst. of AIST
18:00-18:15	TuSession3PL.9
<i>Motion Control of Intelligent Cane Robot under Normal and Abnormal Walking Condition (I)</i> , pp. 497-502.	
Di, Pei, Null	Nagoya Univ.
Huang, Jian	Huazhong Univ. of Science and Tech.
Sekiyama, Kosuke	Nagoya Univ.
Fukuda, Toshio	Nagoya Univ.