2015 24th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN 2015)

Kobe, Japan
31 August – 4 September 2015

Technical Program for Tuesday September 1, 2015

Tu1A	Room A (301)
Social Robot (Regular Session)	
Chair: Inamura, Tetsunari	National Inst. of Informatics
Co-Chair: Shiomi, Masahiro	ATR

09:00-09:20	Tu1A.1

Use of Robotics to Stimulate Imitation in Children with Autism Spectrum Disorder: A Pilot Study in a Clinical Setting, pp. 1-6.

Conti, Daniela	Univ. of Catania
Di Nuovo, Santo	Univ. of Catania
Trubia, Grazia	IRCCS Oasi Maria SS. Troina
Buono, Serafino	IRCCS Oasi Maria SS. Troina
Di Nuovo, Alessandro	Plymouth Univ.

09:20-09:40	Tu1A.2

Emotionally Expressive Robot Behavior Improves Human-Robot Collaboration, pp. 7-12.

Novikova, Jekaterina	Univ. of Bath
Watts, Leon Adam	Univ. of Bath
Inamura, Tetsunari	National Inst. of Informatics

09:40-10:00	Tu1A.3

Social Acceptance of a Childcare Support Robot System, pp. 13-18.

Shiomi, Masahiro	ATR
Hagita, Norihiro	ATR

Tu1B	Room B (401)
SS: Cognitive Robotics 1 (Special Session)	
Chair: Liu, Honghai	Univ. of Portsmouth
Co-Chair: Botzheim, Janos	Tokyo Metropolitan Univ.
Organizer: Botzheim, Janos	Tokyo Metropolitan Univ.
Organizer: Loo, Chu Kiong	Univ. of Malaya
Organizer: Liu, Honghai	Univ. of Portsmouth

09:00-09:20	Tu1B.1

Robotic Emotional Model with Personality Factors Based on Pleasant-Arousal Scaling Model, pp. 19-24.

Masuyama, Naoki	Univ. of Malaya
Loo, Chu Kiong	Univ. of Malaya

09:20-09:40	Tu1B.2

Long-Term Knowledge Acquisition in a Memory-Based Epigenetic Robot Architecture for Verbal Interaction, pp. 25-30.

Pratama, Ferdian	JAIST
Mastrogiovanni, Fulvio	Univ. of Genoa
Jeong, Sungmoon	JAIST
Chong, Nak Young	JAIST

09:40-10:00	Tu1B.3

An Architecture for Emotional and Context-Aware Associative Learning for Robot Companions, pp. 31-36.

Rizzi Raymundo, Caroline	Univ. of Kent
Johnson, Colin Graeme	Univ. of Kent
Vargas, Patricia A.	Heriot Watt Univ.

10:00-10:20	Tu1B.4

Verbal Conversation System for a Socially Embedded Robot Partner Using Emotional Model, pp. 37-42.

Woo, Jinseok	Tokyo Metropolitan Univ.
Botzheim, Janos	Tokyo Metropolitan Univ.
Kubota, Naoyuki	Tokyo Metropolitan Univ.

Tu1C	Room C (402)
Therapy and Games (Regular Session)	
Chair: Mochiyama, Hiromi	Univ. of Tsukuba
Co-Chair: Hirokawa, Masakazu	Univ. of Tsukuba

09:00-09:20	Tu1C.1

A Content Validated Tool to Observe Autism Behavior in Child-Robot Interaction, pp. 43-47.

Shamsuddin, Syamimi	Univ. Teknologi MARA (UiTM)
Yussof, Hanafiah	Univ. Teknologi MARA (UiTM)
Hanapiah, Fazah Akhtar	Univ. Teknologi MARA (UiTM)
Mohamed, Salina	Univ. Teknologi MARA (UiTM)

09:20-09:40	Tu1C.2

Measuring K-Degree Facial Interaction between Robot and Children with Autism Spectrum Disorders, pp. 48-53.

Pan, Yadong	Univ. of Tsukuba
Hirokawa, Masakazu	Univ. of Tsukuba
Suzuki, Kenji	Univ. of Tsukuba

09:40-10:00	Tu1C.3

Gaming Humanoid: A Humanoid Video Game Player with Emotional/Encouraging Movement and Skill Level Control, pp. 54-59.

Hirose, Junya	Univ. of Tsukuba
Hirokawa, Masakazu	Univ. of Tsukuba
Suzuki, Kenji	Univ. of Tsukuba

10:00-10:20	Tu1C.4

Making HRI Accessible to Everyone through Online Videos: A Proposal for a Micro-MOOC in Human Robot Interaction, pp. 60-64.

Sandoval, Eduardo	Univ. Canterbury
Mubin, Omar	Univ. of Western Sydney

Tu1D	Room D (403)
Motion Control (Regular Session)	
Chair: Kwon, Dong-Soo	KAIST
Co-Chair: Lee, Joo-Ho	Ritsumeikan Univ.

09:00-09:20	Tu1D.1

A Walking Horse Dynamic Model for Generating Sensations on a Simulator at Various Walking Speeds, pp. 65-70.

Lim, Chan-Soon	KAIST
Kwon, Oh-Hun	KAIST
Yang, Jeong-Yean	KAIST
Park, Hyung-Soon	KAIST
Kwon, Dong-Soo	KAIST

09:20-09:40	Tu1D.2

Motion Generation of the Humanoid Robot for Teleoperation by Task Model, pp. 71-76.

Ogawa, Masaya	The Univ. of Tokyo
Honda, Katsuya	The Univ. of Tokyo
Sato, Yoshihiro	The Univ. of Tokyo
Kudoh, Shunsuke	The Univ. of Electro-Communications
Oishi, Takeshi	The Univ. of Tokyo
Ikeuchi, Katsushi	The Univ. of Tokyo

09:40-10:00	Tu1D.3

A Camera-Projector Module Based Space Figure Understanding Support System, pp. 77-82.

Nakata, Koji	Ritsumeikan Univ.
Lee, Joo-Haeng	ETRI

Lee, Joo-Ho	Ritsumeikan Univ.

10:00-10:20   **Tu1D.4**

Combined Kinesthetic and Simulated Interface for Teaching Robot Motion Models, pp. 83-88.

Cha, Elizabeth	Univ. of Southern California
Kronander, Klas	EPFL
Billard, Aude	EPFL

Tu2A	Room A (301)

SS: Cognitive Interaction Design 1 (Special Session)

Chair: Yamada, Seiji	National Inst. of Informatics
Co-Chair: Terada, Kazunori	Gifu Univ.
Organizer: Yamada, Seiji	National Inst. of Informatics
Organizer: Terada, Kazunori	Gifu Univ.

13:30-13:50   **Tu2A.1**

Probabilistic Modeling of Mental Models of Others, pp. 89-94.

Nagai, Takayuki	The Univ. of Electro-Communications
Abe, Kasumi	The Univ. of Electro-Communications
Nakamura, Tomoaki	The Univ. of Electro-Communications
Oka, Natsuki	Kyoto Inst. of Tech.
Omori, Takashi	Tamagawa Univ.

13:50-14:10   **Tu2A.2**

Effects of Interaction and Appearance on Subjective Impression of Robots, pp. 95-100.

Nonomura, Keisuke	Gifu Univ.
Terada, Kazunori	Gifu Univ.
Yamada, Seiji	National Inst. of Informatics
Ito, Akira	Gifu Univ.

14:10-14:30   **Tu2A.3**

Model of Strategic Behavior for Interaction That Guide Others Internal State, pp. 101-105.

Omori, Takashi	Tamagawa Univ.
Shimotomai, Takayuki	Tamagawa Univ.
Abe, Kasumi	The Univ. of Electro-Communications
Nagai, Takayuki	The Univ. of Electro-Communications

14:30-14:50   **Tu2A.4**

Animacy Perception of Agents: Their Effects on Users Behavior and Variability between Age Groups , pp. 106-111.

Hasegawa, Riko	Univ. of Tsukuba
Harada, Etsuko,T.	Univ. of Tsukuba
Kayano, Wataru	Univ. of Tsukuba
Osawa, Hirotaka	Univ. of Tsukuba

Tu2B	Room B (401)

SS: Cognitive Robotics 2 (Special Session)

Chair: Loo, Chu Kiong	Univ. of Malaya
Co-Chair: Botzheim, Janos	Tokyo Metropolitan Univ.
Organizer: Botzheim, Janos	Tokyo Metropolitan Univ.
Organizer: Loo, Chu Kiong	Univ. of Malaya
Organizer: Liu, Honghai	Univ. of Portsmouth

13:30-13:50   **Tu2B.1**

Real Time Object Tracking Via a Mixture Model, pp. 112-116.

Gao, Dongxu	Univ. of Portsmouth
Ju, Zhaojie	Univ. of Portsmouth
Cao, Jiangtao	Liaoning Shihua Univ.
Liu, Honghai	Univ. of Portsmouth

13:50-14:10   **Tu2B.2**

Relationship between Evoked Electrical Responses and Robotic Behavior Analyzed by Self-Organization Map (I), pp. 117-120.

Minoshima, Wataru	Kwansei Gakuin Univ.
Fukui, Yasuhiro	Kwansei Gakuin Univ.
Ito, Hidekatsu	Kwansei Gakuin Univ.
Kudoh, Suguru	Kwansei Gakuin Univ.

14:10-14:30   **Tu2B.3**

Learning Linguistic Constructions Grounded in Qualitative Action Models, pp. 121-127.

Panzner, Maximilian	CITEC
Gaspers, Judith	CITEC
Cimiano, Philipp	CITEC

Tu2C	Room C (402)

Assistive Robot (Regular Session)

Chair: Hasegawa, Yasuhisa	Nagoya Univ.
Co-Chair: Hirata, Yasuhisa	Tohoku Univ.

13:30-13:50   **Tu2C.1**

Virtual Friction Model for Control of Cane Robot, pp. 128-133.

Nakagawa, Shotaro	Nagoya Univ.
Itadera, Shunki	Nagoya Univ.
Hasegawa, Yasuhisa	Nagoya Univ.
Sekiyama, Kosuke	Nagoya Univ.
Fukuda, Toshio	Meijo Univ.
Di, Pei	Nagoya Univ.
Huang, Jian	Huazhong Univ. of Science and Tech.
Huang, Qiang	Beijing Inst. of Tech.

13:50-14:10   **Tu2C.2**

A Novel Vision-Based Human-Machine Interface for a Robotic Walker Framework, pp. 134-139.

Paulo, João	Univ. of Coimbra
Peixoto, Paulo	Univ. of Coimbra
Nunes, Urbano	Univ. of Coimbra

14:10-14:30   **Tu2C.3**

Development of Standing-Up Motion Assist Robot to Realize Physiotherapist Skill for Muscle Strength Maintenance, pp. 140-145.

Tsusaka, Yuko	Panasonic Corp.
Fudaba, Yudai	Panasonic Corp.
Okazaki, Yasunao	Panasonic Corp.
Futakuchi, Ryutaro	Panasonic Corp.
Yamamoto, Masaki	Panasonic Corp.
Shikata, Noriyuki	Panasonic Corp.
Terashima, Masayuki	Panasonic Corp.
Funatani, Toshiaki	Panasonic AGE-FREE Shops Corp.
Shima, Hiroto	Takeda Hospital

14:30-14:50   **Tu2C.4**

Anomaly State Assessing of Human Using Walker-Type Support System Based on Statistical Analysis, pp. 146-152.

Hirata, Yasuhisa	Tohoku Univ.
Yamaya, Hiroki	Tohoku Univ.

Kosuge, Kazuhiro	Tohoku Univ.
Koujina, Atsushi	RT.WORKS
Shirakawa, Tomohiro	RT.WORKS
Katayama, Takahiro	RT.WORKS

Tu2D	Room D (403)
Education (Regular Session)	
Chair: Herberg, Jonathan	Inst. of High Performance Computing, A*STAR
Co-Chair: Yamaguchi, Tomoyuki	Univ. of Tsukuba

13:30-13:50	Tu2D.1

Robot Watchfulness Hinders Learning Performance, pp. 153-160.

Herberg, Jonathan	Inst. of High Performance Computing, A*STAR
Feller, Sebastian	Inst. of High Performance Computing, A*STAR
Yengin, Ilker	Inst. of High Performance Computing, A*STAR
Saerbeck, Martin	A*STAR Inst. of High Performance Computing

13:50-14:10	Tu2D.2

Goal Recognition Using Temporal Emphasis, pp. 161-166.

Theofilis, Konstantinos	Univ. of Hertfordshire
Nehaniv, Chrystopher	Univ. of Hertfordshire
Dautenhahn, Kerstin	Univ. of Hertfordshire

14:10-14:30	Tu2D.3

Can a Child Feel Responsible for Another in the Presence of a Robot in a Collaborative Learning Activity?, pp. 167-172.

Chandra, Shruti	IST/EPFL
Alves-Oliveira, Patrícia	INESC-ID / Inst. Superior Técnico, Univ. of Lisbon
Lemaignan, Séverin	EPFL
Sequeira, Pedro	INESC-ID / Inst. Superior Técnico, Univ. of Lisbon
Paiva, Ana	INESC-ID / Inst. Superior Técnico, Tech. Univ. Of
Dillenbourg, Pierre	EPFL

14:30-14:50	Tu2D.4

The Influence of Head Size in Mobile Remote Presence (MRP) Educational Robots, pp. 173-178.

Gweon, Gahgene	KAIST
Hong, Donghee	KAIST
Kwon, Sung Hee	KAIST
Han, Jeonghye	Cheongju National Univ. of Education

Tu3A	Room A (301)
SS: Cognitive Interaction Design 2 (Special Session)	
Chair: Yamada, Seiji	National Inst. of Informatics
Co-Chair: Terada, Kazunori	Gifu Univ.
Organizer: Yamada, Seiji	National Inst. of Informatics
Organizer: Terada, Kazunori	Gifu Univ.

15:20-15:40	Tu3A.1

Attractive Telepresence Communication with Movable and Touchable Display Robot, pp. 179-184.

Ogata, Masa	Keio Univ.
Teramura, Ryo	Keio Univ.
Imai, Michita	Keio Univ.

15:40-16:00	Tu3A.2

Inferring Affective States from Observation of a Robot's Simple Movements, pp. 185-190.

Yoshioka, Genta	Shizuoka Univ.
Sakamoto, Takafumi	Shizuoka Univ.
Takeuchi, Yugo	Shizuoka Univ.

16:00-16:20	Tu3A.3

Tap Model That Considers Key Arrangement to Improve Input Accuracy of Touch Panels, pp. 191-196.

| Tani, Takahisa | The Graduate Univ. for Advanced Studies |
| Yamada, Seiji | National Inst. of Informatics |

16:20-16:40	Tu3A.4

Robot Behavior Control System Based on User's Attitude Using SCL, pp. 197-201.

Munekata, Nagisa	Hokkaido Univ.
Tsujimoto, Megumi	Hokkaido Univ.
Ono, Tetsuo	Hokkaido Univ.

Tu3B	Room B (401)
SS: Assistive Technologies in Daily Living Environments (Special Session)	
Chair: Wada, Kazuyoshi	Tokyo Metropolitan Univ.
Co-Chair: Niitsuma, Mihoko	Chuo Univ.
Organizer: Wada, Kazuyoshi	Tokyo Metropolitan Univ.
Organizer: Niitsuma, Mihoko	Chuo Univ.

15:20-15:40	Tu3B.1

Preliminary Investigation of Attention Responses against Behavior Observation Robot's Movements, pp. 202-205.

Wada, Kazuyoshi	Tokyo Metropolitan Univ.
Yageta, Mutsuki	Tokyo Metropolitan Univ.
Tooyama, Motoyasu	Tokyo Metropolitan Univ.

15:40-16:00	Tu3B.2

A Cloud Based Chat Robot Using Dialogue Histories for Elderly People, pp. 206-210.

Sato-Shimokawara, Eri	Tokyo Metropolitan Univ.
Nomura, Shun	Tokyo Metropolitan Univ.
Shinoda, Yoko	Tokyo Metropolitan Univ.
Lee, Haeyeon	Toyota Motor Corp.
Takatani, Tomoya	Toyota Motor Corp.
Wada, Kazuyoshi	Tokyo Metropolitan Univ.
Yamaguchi, Toru	Tokyo Metropolitan Univ.

16:00-16:20	Tu3B.3

Design of Legible Autonomous Leading Behavior Based on Dogs' Approach, pp. 211-216.

Takahashi, Soh	Chuo Univ.
Niitsuma, Mihoko	Chuo Univ.
Korondi, Peter	Budapest Univ. of Tech. and Econ.
Gacsi, Marta	Eötvös Loránd Univ.

16:20-16:40	Tu3B.4

Social and Empathic Behaviours: Novel Interfaces and Interaction Modalities, pp. 217-222.

| Marti, Patrizia | Univ. of Siena |
| Iacono, Iolanda | Univ. of Siena |

Tu3C	Room C (402)
Appearance and Expression (Regular Session)	
Chair: Wang, Zhidong	Chiba Inst. of Tech.

Co-Chair: Venture, Gentiane — Tokyo Univ. of Agriculture and Tech.

15:20-15:40	Tu3C.1

Design and Implementation of Multi-Dimensional Flexible Antena-Like Hair Motivated by 'Aho-Hair' in Japanese Anime Cartoons: Internal State Expressions Beyond Design Limitations, pp. 223-228.

Sasabuchi, Kazuhiro	The Univ. of Tokyo
Kakiuchi, Yohei	The Univ. of Tokyo
Okada, Kei	The Univ. of Tokyo
Inaba, Masayuki	The Univ. of Tokyo

15:40-16:00	Tu3C.2

Impact of Personality on the Recognition of Emotion Expressed Via Human, Virtual, and Robotic Embodiments, pp. 229-234.

Chevalier, Pauline	ENSTA-ParisTech
Tapus, Adriana	ENSTA-ParisTech
Martin, Jean-Claude	Univ. Paris-Sud
Isableu, Brice	CIAMS-Motor Control and Perception

16:00-16:20	Tu3C.3

Designing a Receptionist Robot: Effect of Voice and Appearance on Anthropomorphism, pp. 235-240.

Trovato, Gabriele	Waseda Univ.
Ramos, Josue J. G.	Center for Info. Tech. Renato Archer
Azevedo, Helio	Center for Info. Tech. Renato Archer
Moroni, Artemis	Center for Info. Tech. Renato Archer
Magossi, Sílvia Regina Leite	Center for Info. Tech. Renato Archer
Ishii, Hiroyuki	Waseda Univ.
Simmons, Reid	Carnegie Mellon Univ.
Takanishi, Atsuo	Waseda Univ.

16:20-16:40	Tu3C.4

Expressing Emotions Using Gait of Humanoid Robot, pp. 241-245.

Izui, Takamune	Tokyo Univ. of Agriculture and Tech.
Venture, Gentiane	Tokyo Univ. of Agriculture and Tech.
Milleville, Isabelle	Res. Inst. in Communications and Cybernetic of Nantes
Sakka, Sophie	IRCCyN / Univ. of Poitiers

Tu3D	Room D (403)
Life Support (Regular Session)	
Chair: Giannopulu, Irini	UMPC
Co-Chair: Kotani, Shinji	Univ. of Yamanashi

15:20-15:40	Tu3D.1

Robot Ergonomics: A Case Study of Chair Design for Roomba, pp. 246-251.

Tan, Ning	Singapore Univ. of Tech. and Design
Mohan, Rajesh Elara	Singapore Univ. of Tech. and Design
Wong, Yoke Ying	Singapore Inst. of Mgmt. Univ.
Sosa, Ricardo	Singapore Univ. of Tech. and Design

15:40-16:00	Tu3D.2

Floor Estimation by a Wearable Travel Aid for Visually Impaired, pp. 252-257.

Watanabe, Hiromi	Univ. of Yamanashi
Tanzawa, Tsutomu	Univ. of Yamanashi
Shimizu, Tsuyoshi	Univ. of Yamanashi
Kotani, Shinji	Univ. of Yamanashi

16:00-16:20	Tu3D.3

KiroPi: A Life-Log Robot by Installing Embodied Hardware on a Tablet, pp. 258-263.

Yamamoto, Michiya	Kwansei Gakuin Univ.
Aoyagi, Saizo	Kwansei Gakuin Univ.
Fukumori, Satoshi	Okayama Univ.
Watanabe, Tomio	Okayama Prefectural Univ.

16:20-16:40	Tu3D.4

Conscious/Unconscious Emotional Dialogues in Typical Children in the Presence of an InterActor Robot, pp. 264-270.

Giannopulu, Irini	UMPC
Watanabe, Tomio	Okayama Prefectural Univ.

We1A	Room A (301)
Minimal Design (Regular Session)	
Chair: Sirkin, David	Stanford Univ.
Co-Chair: Matsumoto, Takahiro	NTT Service Evolution Lab

09:00-09:20	We1A.1

Towards Enhancing Human Experience by Affective Robots: Experiment and Discussion, pp. 271-276.

Matsumoto, Takahiro	NTT Service Evolution Lab
Seko, Shunichi	NTT Service Evolution Lab
Aoki, Ryosuke	NTT Service Evolution Lab
Miyata, Akihiro	NTT Service Evolution Lab
Watanabe, Tomoki	NTT Service Evolution Lab
Yamada, Tomohiro	NTT Service Evolution Lab

09:20-09:40	We1A.2

Experiences Developing Socially Acceptable Interactions for a Robotic Trash Barrel, pp. 277-284.

Yang, Stephen	Stanford Univ.
Mok, Brian	Stanford Univ.
Sirkin, David	Stanford Univ.
Ive, Hillary	Stanford Univ.
Maheshwari, Rohan	Stanford Univ.
Fischer, Kerstin	Univ. of Southern Denmark
Ju, Wendy	Stanford Univ.

09:40-10:00	We1A.3

Development of an Expressible Pupil Response Interface Using Hemispherical Displays, pp. 285-290.

Sejima, Yoshihiro	Okayama Prefectural Univ.
Sato, Yoichiro	Okayama Prefectural Univ.
Watanabe, Tomio	Okayama Prefectural Univ.

10:00-10:20	We1A.4

Talking-Ally: What Is the Future of Robot's Utterance Generation?, pp. 291-296.

Matsushita, Hitomi	Toyohashi Univ. of Tech.
Yohei, Kurata	Toyohashi Univ. of Tech.
De Silva, P. Ravindra Senarathna	Toyohashi Univ. of Tech.
Michio, Okada	Toyohashi Univ. of Tech.

We1B	Room B (401)
SS: Perception and Action System for Robot Partners (Special Session)	
Chair: Masuta, Hiroyuki	Toyama Prefectural Univ.
Co-Chair: Motoyoshi, Tatsuo	Toyama Prefectural Univ.
Organizer: Masuta, Hiroyuki	Toyama Prefectural Univ.
Organizer: Motoyoshi, Tatsuo	Toyama Prefectural Univ.

09:00-09:20	We1B.1

The Usefulness of P-CUBE As a Programming Education Tool for Programming Beginners, pp. 297-300.

Motoyoshi, Tatsuo	Toyama Prefectural Univ.
Kakehashi, Shun	Toyama Prefectural Univ.
Masuta, Hiroyuki	Toyama Prefectural Univ.
Koyanagi, Ken'ichi	Toyama Prefectural Univ.
Oshima, Toru	Toyama Prefectural Univ.
Kawakami, Hiroshi	Kyoto Univ.

09:20-09:40	We1B.2

Evaluation of a Spatial Language Interpretation Framework for Natural Human-Robot Interaction with Older Adults, pp. 301-308.

Fasola, Juan	Univ. of Southern California
Mataric, Maja	Univ. of Southern California

09:40-10:00	We1B.3

Object Recognition Using Multiple Instance Learning with Unclear Object Teaching, pp. 309-312.

Tamura, Yasuto	Kanagawa Univ.
Lim, Hun-ok	Kanagawa Univ.

10:00-10:20	We1B.4

Direct Perception and Action System for Unknown Object Grasping, pp. 313-318.

Masuta, Hiroyuki	Toyama Prefectural Univ.
Lim, Hun-ok	Kanagawa Univ.
Motoyoshi, Tatsuo	Toyama Prefectural Univ.
Koyanagi, Ken'ichi	Toyama Prefectural Univ.
Oshima, Toru	Toyama Prefectural Univ.

We1C	Room C (402)
Interaction Design 1 (Regular Session)	
Chair: Yokota, Sho	Toyo Univ.
Co-Chair: Mukawa, Naoki	Tokyo Denki Univ.

09:00-09:20	We1C.1

Toward a Better Understanding of the Communication Cues Involved in a Robot-Human Object Transfer, pp. 319-324.

Gharbi, Mamoun	LAAS-CNRS
Paubel, Pierre-Vincent	UT2J-CNRS, Toulouse
Clodic, Aurélie	LAAS-CNRS
Carreras, Ophélie	UT2J-CNRS, Toulouse
Alami, Rachid	CNRS
Cellier, Jean-Marie	UT2J-CNRS, Toulouse

09:20-09:40	We1C.2

A Conversational Robot with Vocal and Bodily Fillers for Recovering from Awkward Silence at Turn-Takings, pp. 325-330.

Ohshima, Naoki	Tokyo Denki Univ.
Kimijima, Keita	Tokyo Denki Univ.
Yamato, Junji	NTT Communication Science Lab
Mukawa, Naoki	Tokyo Denki Univ.

09:40-10:00	We1C.3

A Robot's Slip of the Tongue: Effect of Speech Error on the Familiarity of a Humanoid Robot, pp. 331-336.

Gompei, Takayuki	Tokyo Inst. of Tech.
Umemuro, Hiroyuki	Tokyo Inst. of Tech.

10:00-10:20	We1C.4

Improvement of Object Reference Recognition through Human Robot Alignment, pp. 337-342.

Kimoto, Mitsuhiko	Doshisha Univ.
Iio, Takamasa	ATR/Doshisha Univ.
Shiomi, Masahiro	ATR
Tanev, Ivan	Doshisha Univ.
Shimohara, Katsunori	Doshisha Univ.
Hagita, Norihiro	ATR

We1D	Room D (403)
Manipulation and Physical Interaction (Regular Session)	
Chair: Matsuno, Takayuki	Okayama Univ.
Co-Chair: Yonezawa, Tomoko	Kansai Univ.

09:00-09:20	We1D.1

Reinforcement Learning of Shared Control for Dexterous Telemanipulation: Application to a Page Turning Skill, pp. 343-348.

Matsubara, Takamitsu	NAIST/ATR
Hasegawa, Takahiro	NAIST
Sugimoto, Kenji	NAIST

09:20-09:40	We1D.2

Visual Pointing Gestures for Bi-Directional Human Robot Interaction in a Pick-And-Place Task, pp. 349-354.

Perez Quintero, Camilo Alfonso	Univ. of Alberta
Tatsambon Fomena, Romeo	Univ. of Alberta
Gridseth, Mona	Univ. of Alberta
Jagersand, Martin	Univ. of Alberta

09:40-10:00	We1D.3

Taking Candy from a Robot: Speed Features and Candy Accessibility Predict Human Response, pp. 355-362.

Knight, Heather	Carnegie Mellon Univ.
Veloso, Manuela	Carnegie Mellon Univ.
Simmons, Reid	Carnegie Mellon Univ.

10:00-10:20	We1D.4

Shape Modeling of a String and Recognition Using Distance Sensor, pp. 363-368.

Mukai, Keisuke	Okayama Univ.
Matsuno, Takayuki	Okayama Univ.
Yanou, Akira	Okayama Univ.
Minami, Mamoru	Okayama Univ.

We2A	Room A (301)
SS: Developmental Social Robots: Reasoning about Human Intention and Action in Social Interactions 1 (Special Session)	
Chair: Vargas, Patricia A.	Heriot Watt Univ.
Co-Chair: Lohan, Katrin Solveig	Heriot-Watt Univ.
Organizer: Lohan, Katrin Solveig	Heriot-Watt Univ.
Organizer: Foster, Mary Ellen	Heriot-Watt Univ.
Organizer: Vargas, Patricia A.	Heriot Watt Univ.
Organizer: Kawamura, Kazuhiko	Vanderbilt Univ.
Organizer: Kobayashi, Hisato	Hosei Univ.

13:30-13:50	We2A.1

Gaze Contingency in Turn-Taking for Human Robot Interaction: Advantages and Drawbacks, pp. 369-374.

Palinko, Oskar	Istituto Italiano Di Tecnologia
Sciutti, Alessandra	Istituto Italiano Di Tecnologia
Schillingmann, Lars	Osaka Univ.
Rea, Francesco	Istituto Italiano Di Tecnologia
Nagai, Yukie	Osaka Univ.
Sandini, Giulio	Italian Inst. of Tech.

13:50-14:10	We2A.2

Perception Matters! Engagement in Task Orientated Social Robotics, pp. 375-380.

Corrigan, Lee J	Univ. of Birmingham
Basedow, Christina Anne	Jacobs Univ. Bremen
Küster, Dennis	Jacobs Univ. Bremen
Kappas, Arvid	Jacobs Univ. Bremen
Peters, Christopher	Royal Inst. of Tech.
Castellano, Ginevra	Uppsala Univ.

14:10-14:30	We2A.3

Meta Analysis of the Usage of the Godspeed Questionnaire Series (I), pp. 381-388.

Weiss, Astrid	Vienna Univ. of Tech.
Bartneck, Christoph	Univ. of Canterbury

14:30-14:50	We2A.4

Generation of Acceptable Actions Using Imitation Learning, Intention Recognition, and Cognitive Control, pp. 389-393.

Tan, Huan	Vanderbilt Univ.
Kawamura, Kazuhiko	Vanderbilt Univ.

We2B	Room B (401)
Robot As a Mediator (Regular Session)	
Chair: Vroon, Jered	Univ. of Twente
Co-Chair: Gehle, Raphaela	Univ. Duisburg-Essen, Univ. Bielefeld

13:30-13:50	We2B.1

Dynamics of Social Positioning Patterns in Group-Robot Interactions, pp. 394-399.

Vroon, Jered	Univ. of Twente
Joosse, Michiel	Univ. of Twente
Lohse, Manja	Univ. of Twente
Kolkmeier, Jan	Univ. of Twente
Kim, Jaebok	Univ. of Twente
Truong, Khiet	Univ. of Twente
Englebienne, Gwenn	Univ. of Amsterdam
Heylen, Dirk	Univ. of Twente
Evers, Vanessa	Univ. of Amsterdam

13:50-14:10	We2B.2

Joint Action Perception to Enable Fluent Human-Robot Teamwork, pp. 400-406.

Iqbal, Tariq	Univ. of Notre Dame
Gonzales, Michael J.	Univ. of Notre Dame
Riek, Laurel D.	Univ. of Notre Dame

14:10-14:30	We2B.3

Trouble-Based Group Dynamics in Real-World HRI - Reactions on Unexpected Next Moves of a Museum Guide Robot, pp. 407-412.

Gehle, Raphaela	Univ. Duisburg-Essen, Univ. Bielefeld
Pitsch, Karola	Bielefeld Univ.
Dankert, Timo	Bielefeld Univ.
Wrede, Sebastian	Bielefeld Univ.

We2C	Room C (402)
Interaction Design 2 (Regular Session)	
Chair: Bartneck, Christoph	Univ. of Canterbury
Co-Chair: Ito, Akinori	Tohoku Univ.

13:30-13:50	We2C.1

Development of a Mobile Robot Moving on a Handrail —Control for Preceding a Person Keeping a Distance—, pp. 413-418.

Fujiwara, Yuma	Osaka Inst. of Tech.
Hiroi, Yutaka	Osaka Inst. of Tech.
Tanaka, Yuki	Osaka Inst. of Tech.
Ito, Akinori	Tohoku Univ.

13:50-14:10	We2C.2

An Embodied Entrainment Avatar-Shadow System to Support Avatar Mediated Communication, pp. 419-424.

Esaki, Keizou	Okayama Prefectural Univ.
Inoue, Shota	Okayama Prefectural Univ.

| Watanabe, Tomio | Okayama Prefectural Univ. |
| Ishii, Yutaka | Okayama Prefectural Univ. |

| 14:10-14:30 | We2C.3 |

Human-Robot Interaction with Humanoid Diamandini Using an Open Experimentation Method, pp. 425-430.

Silvera-Tawil, David	The Univ. of New South Wales
Velonaki, Mari	The Univ. of New South Wales
Rye, David	The Univ. of Sydney

| 14:30-14:50 | We2C.4 |

The Robot Engine - Making the Unity 3D Game Engine Work for HRI, pp. 431-437.

Bartneck, Christoph	Univ. of Canterbury
Sandoval, Eduardo	Univ. of Canterbury
Soucy, Marius	Univ. of Canterbury
Fleuret, Kevin	Univ. of Canterbury

We2D	Room D (403)
Intention Based Navigation (Regular Session)	
Chair: Kucukyilmaz, Ayse	Imperial Coll. London
Co-Chair: Kobayashi, Futoshi	Kobe Univ.

| 13:30-13:50 | We2D.1 |

One-Shot Assistance Estimation from Expert Demonstrations for a Shared Control Wheelchair System, pp. 438-443.

| Kucukyilmaz, Ayse | Imperial Coll. London |
| Demiris, Yiannis | Imperial Coll. London |

| 13:50-14:10 | We2D.2 |

Sequential Intention Estimation of a Mobility Aid User for Intelligent Navigational Assistance, pp. 444-449.

Matsubara, Takamitsu	NAIST/ATR
Valls Miro, Jaime	Univ. of Tech. Sydney
Tanaka, Daisuke	NAIST
Poon, James	Univ. of Tech. Sydney
Sugimoto, Kenji	NAIST

| 14:10-14:30 | We2D.3 |

Augmented Reality Robot Navigation Using Infrared Marker, pp. 450-455.

Kuriya, Ryotaro	Saga Univ.
Tsujimura, Takeshi	Saga Univ.
Izumi, Kiyotaka	Saga Univ.

| 14:30-14:50 | We2D.4 |

Using Contact-Based Inducement for Efficient Navigation in a Congested Environment, pp. 456-461.

Shrestha, Moondeep	Waseda Univ.
Nohisa, Yosuke	Waseda Univ.
Schmitz, Alexander	Waseda Univ.
Hayakawa, Shouichi	Waseda Univ.
Uno, Erika	Waseda Univ.
Yokoyama, Yuta	Waseda Univ.
Yanagawa, Hayato	Waseda Univ.
Or, Keung	Waseda Univ.
Sugano, Shigeki	Waseda Univ.

We3A	Room A (301)
SS: Developmental Social Robots: Reasoning about Human Intention and Action in Social Interactions 2 (Special Session)	
Chair: Kawamura, Kazuhiko	Vanderbilt Univ.
Co-Chair: Schillingmann, Lars	Osaka Univ.
Organizer: Lohan, Katrin Solveig	Heriot-Watt Univ.

Organizer: Foster, Mary Ellen	Heriot-Watt Univ.
Organizer: Vargas, Patricia A.	Heriot Watt Univ.
Organizer: Kawamura, Kazuhiko	Vanderbilt Univ.
Organizer: Kobayashi, Hisato	Hosei Univ.

| 15:20-15:40 | We3A.1 |

Behavior Selection System Based on Emotional Variations, pp. 462-467.

JITVIRIYA, WISANU	Kyushu Inst. of Tech.
Koike, Masato	Kyushu Inst. of Tech.
Hayashi, Eiji	Kyusyu Inst. of Tech.

| 15:40-16:00 | We3A.2 |

How Motor Speed of a Robot Face Can Influence the "older" User's Perception of Facial Expression ?, pp. 468-473.

Chanseau, Adeline	Heriot-Watt Univ.
Lohan, Katrin Solveig	Heriot-Watt Univ.
Aylett, Ruth	Heriot Watt Univ.

| 16:00-16:20 | We3A.3 |

Uncovering Emotional Memories in Robot Soccer Players (I), pp. 474-479.

Allan, Christopher	Heriot-Watt Univ.
Couceiro, Micael	Univ. of Coimbra
Vargas, Patricia A.	Heriot Watt Univ.

| 16:20-16:40 | We3A.4 |

Driving Situation-Based Real-Time Interaction with Intelligent Driving Assistance Agent, pp. 480-485.

Nho, Young-Hoon	KAIST
Seo, JuHwan	KAIST
Yang, Jeong-Yean	KAIST
Kwon, Dong-Soo	KAIST

We3B	Room B (401)
SS: How to Build a Moral Robot Appropriate for Human Social Life (Special Session)	
Chair: Malle, Bertram	Brown Univ.
Co-Chair: Scheutz, Matthias	Tufts Univ.
Organizer: Malle, Bertram	Brown Univ.
Organizer: Scheutz, Matthias	Tufts Univ.
Organizer: Bello, Paul	Naval Res. Lab
Organizer: Bringsjord, Selmer	RPI

| 15:20-15:40 | We3B.1 |

When Will People Regard Robots As Morally Competent Social Partners?, pp. 486-491.

| Malle, Bertram | Brown Univ. |
| Scheutz, Matthias | Tufts Univ. |

| 15:40-16:00 | We3B.2 |

Towards Moral Action Selection for Social Robots, pp. 492-497.

Scheutz, Matthias	Tufts Univ.
Malle, Bertram	Brown Univ.
Briggs, Gordon	Tufts Univ.

| 16:00-16:20 | We3B.3 |

Real Robots That Pass Human Tests of Self-Consciousness, pp. 498-504.

Bringsjord, Selmer	Rensselaer Pol. Inst.
Licato, John	Rensselaer Pol. Inst.
Govindarajulu, Naveen Sundar	Rensselaer Pol. Inst.
Ghosh, Rikhiya	Rensselaer Pol. Inst.
Sen, Atriya	Rensselaer Pol. Inst.

16:20-16:40	We3B.4

Constraints on Freely Chosen Action for Moral Robots: Consciousness and Control, pp. 505-510.

Bello, Paul	Naval Res. Lab
Licato, John	Rensselaer Pol. Inst.
Bringsjord, Selmer	Rensselaer Pol. Inst.

We3C	Room C (402)
Tele-Presence and Tele-Operation (Regular Session)	

Chair: Recchiuto, Carmine Tommaso	Univ. of Genova
Co-Chair: Nakamura, Keisuke	Honda Res. Inst. Japan Co., Ltd

15:20-15:40	We3C.1

Interface Design and Usability Analysis for a Robotic Telepresence Platform, pp. 511-516.

Radmard, Sina	Univ. of British Columbia
Moon, AJung	Univ. of British Columbia
Croft, Elizabeth	Univ. of British Columbia

15:40-16:00	We3C.2

A Case Study of an Automatic Volume Control Interface for a Telepresence System, pp. 517-522.

Takahashi, Masaaki	Keio Univ.
Ogata, Masa	Keio Univ.
Imai, Michita	Keio Univ.
Nakamura, Keisuke	Honda Res. Inst. Japan Co., Ltd
Nakadai, Kazuhiro	Honda Res. Inst. Japan Co., Ltd

16:00-16:20	We3C.3

Usability Evaluation with Different Viewpoints of a Human-Swarm Interface for UAVs Control in Formation, pp. 523-528.

Recchiuto, Carmine Tommaso	Univ. of Genova
Sgorbissa, Antonio	Univ. of Genova
Zaccaria, Renato	Univ. of Genova

16:20-16:40	We3C.4

Online Speech-Driven Head Motion Generating System and Evaluation on a Tele-Operated Robot, pp. 529-534.

Sakai, Kurima	ATR, Osaka Univ.
Ishi, Carlos Toshinori	ATR
Minato, Takashi	ATR
Ishiguro, Hiroshi	Osaka Univ.

We3D	Room D (403)
Social Acceptance (Regular Session)	

Chair: Nitsch, Verena	Univ. Der Bundeswehr München
Co-Chair: Yonezawa, Tomoko	Kansai Univ.

15:20-15:40	We3D.1

Investigating the Effects of Robot Behavior and Attitude towards Technology on Social Human-Robot Interactions, pp. 535-540.

Nitsch, Verena	Univ. Der Bundeswehr München
Glassen, Thomas	Univ. Der Bundeswehr München

15:40-16:00	We3D.2

Perceived Robot Capability, pp. 541-548.

Cha, Elizabeth	Univ. of Southern California
Dragan, Anca	Carnegie Mellon Univ.
Srinivasa, Siddhartha	Carnegie Mellon Univ.

16:00-16:20	We3D.3

Crossmodal Combination among Verbal, Facial, and Flexion Expression for Anthropomorphic Acceptability, pp. 549-554.

Yonezawa, Tomoko	Kansai Univ.
Yoshida, Naoto	Kansai Univ.
Nishinaka, Jumpei	Kansai Univ.

16:20-16:40	We3D.4

A Cross-Cultural Study of Acceptance and Use of Robotics by Future Psychology Practitioners, pp. 555-560.

Conti, Daniela	Univ. of Catania
Cattani, Allegra	Plymouth Univ.
Di Nuovo, Santo	Univ. of Catania
Di Nuovo, Alessandro	Plymouth Univ.

Th1A	Room A (301)

SS: Assistive Technologies for Healthcare Robotics 1 (Special Session)

Chair: MacDonald, Bruce	Univ. of Auckland
Co-Chair: Matsumoto, Yoshio	AIST
Organizer: MacDonald, Bruce	Univ. of Auckland
Organizer: Ahn, Ho Seok	Univ. of Auckland
Organizer: Kawamura, Sadao	Ritsumeikan Univ.
Organizer: Matsumoto, Yoshio	AIST

09:30-09:50	Th1A.1

A Scenario-Based Knowledge-Driven Approach for Concept Design of Assistive Robots, pp. 561-566.

Tanaka, Hideyuki	AIST
Wakita, Yujin	AIST
Matsumoto, Yoshio	AIST

09:50-10:10	Th1A.2

A Survey Report on Information Costs in Introducing Technology to Care Services for Older Adults, pp. 567-570.

Kajitani, Isamu	AIST
Sakaguchi, Takeshi	AIST
Matsumoto, Yoshio	AIST
Tanikawa, Tamio	AIST
Kotoku, Tetsuo	AIST

10:10-10:30	Th1A.3

Healthcare Robot Systems for a Hospital Environment: CareBot and ReceptionBot, pp. 571-576.

Ahn, Ho Seok	Univ. of Auckland
Lee, Min Ho	Univ. of Auckland
MacDonald, Bruce	Univ. of Auckland

10:30-10:50	Th1A.4

The Cost-Effectiveness of a Robot Measuring Vital Signs in a Rural Medical Practice, pp. 577-581.

Broadbent, Elizabeth	Univ. of Auckland
Orejana, Josephine Rose	Univ. of Auckland
Ahn, Ho Seok	Univ. of Auckland
Xie, Jiao	Univ. of Auckland
Rouse, Paul	Univ. of Auckland
MacDonald, Bruce	Univ. of Auckland

Th1B	Room B (401)

Recognition (Regular Session)

Chair: Mastrogiovanni, Fulvio	Univ. of Genoa
Co-Chair: Rossi, Silvia	Univ. of Naples Federico II

09:30-09:50	Th1B.1

Probabilistic Human Daily Activity Recognition towards Robot-Assisted Living, pp. 582-587.

Faria, Diego	Univ. of Coimbra
Vieira, Mário	Univ. of Coimbra
Premebida, Cristiano	Univ. of Coimbra
Nunes, Urbano	Univ. of Coimbra

09:50-10:10	Th1B.2

An Analysis of Perceptual Cues in Robot Group Selection Tasks, pp. 588-593.

Rossi, Alessandra	Univ. of Naples Federico II
Staffa, Mariacarla	Univ. of Naples Federico II
Origlia, Antonio	Univ. of Naples Federico II

Rossi, Silvia	Univ. of Naples Federico II

10:10-10:30	Th1B.3

Multi-Modal Sensing for Human Activity Recognition, pp. 594-600.

Bruno, Barbara	Univ. of Genova
Grosinger, Jasmin	Orebro Univ.
Mastrogiovanni, Fulvio	Univ. of Genoa
Pecora, Federico	Örebro Univ.
Saffiotti, Alessandro	Orebro Univ.
Sathyakeerthy, Subhash	Orebro Univ.
Sgorbissa, Antonio	Univ. of Genova

10:30-10:50	Th1B.4

Modeling Dynamic Scenes by One-Shot 3D Acquisition System for Moving Humanoid Robot, pp. 601-608.

Sagawa, Ryusuke	AIST
Malleson, Charles	Univ. of Surrey
Morisawa, Mitsuharu	AIST
Kaneko, Kenji	AIST
Kanehiro, Fumio	AIST
Matsumoto, Yoshio	AIST
Hilton, Adrian	Univ. of Surrey

Th1C	Room C (402)

Interaction and Actuation (Regular Session)

Chair: Meng, Max Q.-H.	The Chinese Univ. of Hong Kong
Co-Chair: Hirai, Shinichi	Ritsumeikan Univ.

09:30-09:50	Th1C.1

Comparing Two Gesture Design Methods for a Humanoid Robot: Human Motion Mapping by an RGB-D Sensor and Hand-Puppeteering, pp. 609-614.

Zheng, Minhua	The Chinese Univ. of Hong Kong
Wang, Jiaole	The Chinese Univ. of Hong Kong
Meng, Max Q.-H.	The Chinese Univ. of Hong Kong

09:50-10:10	Th1C.2

You and Your Robot Companion - a Framework for Creating Robotic Applications Usable by Non-Experts, pp. 615-620.

Hoefinghoff, Jens	Univ. Duisburg-Essen
Von der Pütten, Astrid Marieke	Univ. Duisburg-Essen
Pauli, Josef	Univ. Duisburg-Essen
Krämer, Nicole C.	Univ. Duisburg-Essen

10:10-10:30	Th1C.3

A Novel 4 DOF Eye-Camera Positioning System for Androids, pp. 621-627.

Flores, Edgar	Human-Robotic Tech.
Fels, Sidney	Univ. of British Columbia

10:30-10:50	Th1C.4

Measuring McKibben Actuator Shrinkage Using Fiber Sensor, pp. 628-633.

Ho, Van	Ryukoku Univ.
Hirai, Shinichi	Ritsumeikan Univ.

Th1D	Room D (403)

Actuator Control (Regular Session)

Chair: Kudoh, Shunsuke	The Univ. of Electro-Communications
Co-Chair: Matsumaru, Takafumi	Waseda Univ.

09:30-09:50	Th1D.1

Graphical Narrative Interfaces: Representing

Spatiotemporal Information for a Highly Autonomous Human-Robot Team, pp. 634-639.

Nakano, Hiroaki	Brigham Young Univ.
Goodrich, Michael A.	Brigham Young Univ.

09:50-10:10	Th1D.2

Calligraphy-Stroke Learning Support System Using Projection, pp. 640-645.

Narita, Masashi	Waseda Univ.
Matsumaru, Takafumi	Waseda Univ.

10:10-10:30	Th1D.3

Method for Placing a Rope in a Target Shape and Its Application to a Clove Hitch, pp. 646-651.

Takizawa, Masaru	The Univ. of Electro-Communications
Kudoh, Shunsuke	The Univ. of Electro-Communications
Suehiro, Takashi	The Univ. of Electro-Communications

Th2A	Room A (301)
SS: Assistive Technologies for Healthcare Robotics 2 (Special Session)	
Chair: Hirai, Shinichi	Ritsumeikan Univ.
Co-Chair: Broadbent, Elizabeth	Univ. of Auckland
Organizer: MacDonald, Bruce	Univ. of Auckland
Organizer: Ahn, Ho Seok	Univ. of Auckland
Organizer: Kawamura, Sadao	Ritsumeikan Univ.
Organizer: Matsumoto, Yoshio	AIST

11:20-11:40	Th2A.1

Micro Pneumatic Valves for Wearable Robotic Systems, pp. 652-657.

Hirai, Shinichi	Ritsumeikan Univ.

11:40-12:00	Th2A.2

Needs Analysis and Benefit Description of Robotic Arms for Daily Support, pp. 658-663.

Tanaka, Hideyuki	AIST
Matsumoto, Yoshio	AIST
Wakita, Yujin	AIST

12:00-12:20	Th2A.3

Development of an Inflatable Robotic Arm System Controlled by a Joystick, pp. 664-669.

Kim, Hyejong	Ritsumeikan Univ.
TANAKA, Yuto	Ritsumeikan Univ.
Kawamura, Akihiro	Kyushu Univ.
Kawamura, Sadao	Ritsumeikan Univ.
Nishioka, Yasutaka	Univ. of Shiga Prefecture

12:20-12:40	Th2A.4

Using Pressure Sensors to Identify Physical Manipulation Actions During Elderly Care, pp. 670-675.

Javaid, Maria	Univ. of Illinois at Chicago
Zefran, Milos	Univ. of Illinois at Chicago
Yavolovsky, Andrey	Univ. of Illinois at Chicago

Th2B	Room B (401)
Robot in Society (Regular Session)	
Chair: Hirata, Yasuhisa	Tohoku Univ.
Co-Chair: Wada, Kazuyoshi	Tokyo Metropolitan Univ.

11:20-11:40	Th2B.1

The Evaluation of Different Roles for Domestic Social Robots, pp. 676-681.

De Graaf, Maartje Margaretha Allegonda	Univ. of Twente
Ben Allouch, Somaya	Univ. of Twente

11:40-12:00	Th2B.2

Selecting the Right Robot: Influence of User Attitude, Robot Sociability and Embodiment on User Preferences, pp. 682-687.

Ligthart, Mike	Radboud Univ. Nijmegen
Truong, Khiet	Univ. of Twente

12:00-12:20	Th2B.3

Improving Psychological Wellbeing with Robots, pp. 688-693.

Gallego Perez, Jorge	Univ. of Twente
Lohse, Manja	Univ. of Twente
Evers, Vanessa	Univ. of Amsterdam

12:20-12:40	Th2B.4

Interaction between Vleo and Pleo, a Virtual Social Character and a Social Robot, pp. 694-699.

Fernández-Baena, Adso	Seamless Interaction, GTM, La Salle - Univ. Ramon Llull
Boldu, Roger	Massachusetts Inst. of Tech.
Albo-Canals, Jordi	Tufts Univ.
Miralles, David	Seamless Interaction, GTM, La Salle - Univ. Ramon Llull

Th2C	Room C (402)
Interaction in the Loop (Regular Session)	
Chair: Suzuki, Kenji	Univ. of Tsukuba
Co-Chair: Mok, Brian	Stanford Univ.

11:20-11:40	Th2C.1

A Place for Every Tool and Every Tool in Its Place: Performing Collaborative Tasks with Interactive Robotic Drawers, pp. 700-706.

Mok, Brian	Stanford Univ.
Yang, Stephen	Stanford Univ.
Sirkin, David	Stanford Univ.
Ju, Wendy	Stanford Univ.

11:40-12:00	Th2C.2

Robots Need Humans in the Loop to Improve the Hopefulness of Disaster Survivors, pp. 707-714.

Dole, Lorin	Stanford Univ.
Sirkin, David	Stanford Univ.
Murphy, Robin	Texas A&M
Nass, Clifford	Stanford Univ.

12:00-12:20	Th2C.3

Towards a Synchronised Grammars Framework for Adaptive Musical Human-Robot Collaboration, pp. 715-721.

Sarabia, Miguel	Imperial Coll. London
Lee, Kyuhwa	EPFL
Demiris, Yiannis	Imperial Coll. London

12:20-12:40	Th2C.4

Paired Robotic Devices to Mediate and Represent Social Behaviors, pp. 722-727.

Nuñez, Eleuda	Univ. of Tsukuba
Matsuda, Soichiro	Keio Univ.
Hirokawa, Masakazu	Univ. of Tsukuba
Yamamoto, Junichi	Keio Univ.
Suzuki, Kenji	Univ. of Tsukuba

Th2D	Room D (403)
Human-Like Body and Effect (Regular Session)	
Chair: Okita, Sandra	Teachers Coll. Columbia Univ.
Co-Chair: del Pobil, Angel P.	Univ. Jaume I

11:20-11:40	Th2D.1

Young Children's Preconceived Notions about Robots, and How Beliefs May Trigger Children's Thinking and Response to Robots, pp. 728-733.

Okita, Sandra	Teachers Coll. Columbia Univ.

11:40-12:00	Th2D.2

How Important Is Body Language in Mood Induction Procedures with a Humanoid Robot?, pp. 734-739.

Diaz, Cristina	Univ. Jaume I
del Pobil, Angel P.	Univ. Jaume I

12:00-12:20	Th2D.3

The Far Side of the Uncanny Valley: `healthy Persons', Androids, and Radical Uncertainty, pp. 740-745.

Silvera-Tawil, David	The Univ. of New South Wales
Garbutt, Michael	The Univ. of New South Wales

12:20-12:40	Th2D.4

An Open-Ended Approach to Evaluating Android Faces, pp. 746-751.

Vlachos, Evgenios	Aalborg Univ.
Schärfe, Henrik	Aalborg Univ.

Th3A	Room A (301)
SS: Intelligent Robotics for Healthcare (Special Session)	
Chair: Takeda, Takahiro	Tokyo Metropolitan Univ.
Co-Chair: Obo, Takenori	Univ. of Malaya
Organizer: Takeda, Takahiro	Tokyo Metropolitan Univ.
Organizer: Obo, Takenori	Univ. of Malaya

13:40-14:00	Th3A.1

Imitation Learning for Daily Exercise Support with Robot Partner, pp. 752-757.

Obo, Takenori	Univ. of Malaya
Loo, Chu Kiong	Univ. of Malaya
Kubota, Naoyuki	Tokyo Metropolitan Univ.

14:00-14:20	Th3A.2

Self-Efficacy Estimation for Health Promotion Support with Robot Partner, pp. 758-762.

Matsuo, Yusei	Tokyo Metropolitan Univ.
Miki, Shunsuke	Tokyo Metropolitan Univ.
Takeda, Takahiro	Tokyo Metropolitan Univ.
Kubota, Naoyuki	Tokyo Metropolitan Univ.

14:20-14:40	Th3A.3

A Novel Platform Supporting Multiple Control Strategies for Assistive Robots, pp. 763-769.

Rohmer, Eric	State Univ. of Campinas
Pinheiro, Paulo Gurgel	State Univ. of Campinas
Raizer, Klaus	State Univ. of Campinas
Rocha Olivi, Leonardo	State Univ. of Campinas
Cardozo, Eleri	State Univ. of Campinas

Th3B	Room B (401)
Human Cognition (Regular Session)	
Chair: Rossi, Silvia	Univ. of Naples Federico II
Co-Chair: Dominey, Peter Ford	INSERM Stem Cell & Brain Res. Inst.

13:40-14:00	Th3B.1

Empathic Concern and the Effect of Stories in Human-Robot Interaction, pp. 770-775.

Darling, Kate	MIT
Nandy, Palash	MIT
Breazeal, Cynthia	MIT

14:00-14:20	Th3B.2

Proof of Concept for a User-Centered System for Sharing Cooperative Plan Knowledge Over Extended Periods and Crew Changes in Space-Flight Operations, pp. 776-783.

Sorce, Marwin	INSERM U846, Human & Robot Interaction Systems Group
Pointeau, Grégoire	INSERM U846, Human & Robot Interaction Systems Group
Petit, Maxime	Imperial Coll. of London
Mealier, Anne-Laure	INSERM U846, Human & Robot Interaction Systems Group
Gibert, Guillaume	INSERM U846, Human & Robot Interaction Systems Group
Dominey, Peter Ford	INSERM U846, Human & Robot Interaction Systems Group

14:20-14:40	Th3B.3

Response Prompting for Intelligent Robot Instruction of Students with Intellectual Disabilities, pp. 784-790.

Reardon, Christopher M.	Univ. of Tennessee
Zhang, Hao	Colorado School of Mines
Wright, Rachel	Univ. of Tennessee
Parker, Lynne	Univ. of Tennessee

14:40-15:00	Th3B.4

Robot Head Movements and Human Effort in the Evaluation of Tracking Performance, pp. 791-796.

Rossi, Silvia	Univ. of Naples Federico II
Staffa, Mariacarla	Univ. of Naples Federico II
Giordano, Maurizio	Istituto Di Cibernetica "Eduardo Caianiello", CNR
De Gregorio, Massimo	Istituto Di Cibernetica "Eduardo Caianiello", CNR
Rossi, Antonio	Univ. of Naples Federico II
Tamburro, Anna	Univ. of Naples Federico II
Vellucci, Civita	Univ. of Naples Federico II

Th3C	Room C (402)
Behavioral Design and Architecture (Regular Session)	
Chair: Ferland, François	ENSTA-ParisTech
Co-Chair: Sridharan, Mohan	The Univ. of Auckland

13:40-14:00	Th3C.1

Adapting an Hybrid Behavior-Based Architecture with Episodic Memory to Different Humanoid Robots, pp. 797-802.

Ferland, François	ENSTA-ParisTech
Cruz-Maya, Arturo	ENSTA-ParisTech
Tapus, Adriana	ENSTA-ParisTech

14:00-14:20	Th3C.2

Development of Motion Rendering Using Laban Movement Analysis to Humanoid Robots Inspired by Real-Time Emotional Locus of Music Signals, pp. 803-808.

Cheng, Stone	National Chiao Tung Univ.

14:20-14:40	Th3C.3

Incremental Knowledge Acquisition for Human-Robot Collaboration, pp. 809-814.

Myagmarjav, Batbold	Texas Tech. Univ.

Sridharan, Mohan   The Univ. of Auckland

Th3D	Room D (403)
Human Centered Design (Regular Session)	
Chair: Watanabe, Katsumi	The Univ. of Tokyo
Co-Chair: Eyssel, Friederike	Univ. of Bielefeld

13:40-14:00	Th3D.1

Computational Analysis of Human-Robot Interactions through First-Person Vision: Personality and Interaction Experience, pp. 815-820.

Celiktutan, Oya	Queen Mary Univ. of London
Gunes, Hatice	Queen Mary Univ. of London

14:00-14:20	Th3D.2

Perception of a Humanoid Robot: A Cross-Cultural Comparison, pp. 821-826.

Haring, Kerstin Sophie	The Univ. of Tokyo
Silvera-Tawil, David	The Univ. of New South Wales
Takahashi, Tomotaka	The Univ. of Tokyo
Velonaki, Mari	The Univ. of New South Wales
Watanabe, Katsumi	The Univ. of Tokyo

14:20-14:40	Th3D.3

Predictors of Psychological Anthropomorphization, Mind Perception, and the Fulfillment of Social Needs: A Case Study with a Zoomorphic Robot, pp. 827-832.

Eyssel, Friederike	Univ. of Bielefeld
Pfundmair, Michaela	Ludwig-Maximilians Univ. of Munich

14:40-15:00	Th3D.4

Working Together with Industrial Robots: Experiencing Robots in a Production Environment, pp. 833-838.

Meneweger, Thomas	Univ. of Salzburg
Wurhofer, Daniela	Univ. of Salzburg
Fuchsberger, Verena	Univ. of Salzburg
Tscheligi, Manfred	Univ. of Salzburg