



# The 14th ACM/IEEE International Conference on Human-Robot Interaction

 **2019**  
DAEGU/KOREA

# Award

# Best Demo

# Demo: Best Demo

## Demo: Pointing Gestures for Proximity Interaction

Boris Gromov (Dalle Molle Institute for Artificial Intelligence (IDSIA, SUPSI/USI)),  
Jérôme Guzzi (IDSIA), Luca Gambardella, Alessandro Giusti (Dalle Molle  
Institute for Artificial Intelligence (IDSIA, SUPSI/USI))

# Award Late Breaking Report

# Late Breaking Reports: 3<sup>rd</sup> Prize

## Affective Robot Movement Generation Using CycleGANs

Michael Suguitan (Cornell University), Mason Bretan (Samsung Research America), Guy Hoffman (Cornell University)

# Late Breaking Reports: 3<sup>rd</sup> Prize

## Multi-axial Soft Stretch Sensor Based on Anisotropic Electrical Impedance Tomography

Hyunkyu Park (Korea Advanced Institute of Science and Technology),  
Kyungseo Park (Korea Advanced Institute of Science and Technology),  
Wondong Kim (Korea Advanced Institute of Science and Technology),  
Jung Kim (Korea Advanced Institute of Science and Technology)

# Late Breaking Reports: 2nd Prize

## Humanoid Therapy Robot for Encouraging Exercise in Dementia Patients

Mariah Schrum (Georgia Institute of Technology), Chung Hyuk Park (George Washington University), Ayanna Howard (Georgia Institute of Technology)

# Late Breaking Reports: 1st Prize

## A Social Robot for Autonomous Health Data Acquisition among Hospitalized Patients: An Exploratory Field Study

Daisy van der Putte (Erasmus University), Roel Boumans (Radboud University Medical Center & Delft University of Technology), Mark Neerincx (Delft University of Technology), Marcel Olde Rikkert (Radboud University Medical Center), Marleen de Mul (Erasmus University)



# Award Best Video

# Video: Reviewers' Choice

## Video: Pointing Gestures for Proximity Interaction

Boris Gromov (Dalle Molle Institute for Artificial Intelligence (IDSIA, SUPSI/USI),  
Jérôme Guzzi (IDSIA), Luca Gambardella, Alessandro Giusti (Dalle Molle  
Institute for Artificial Intelligence (IDSIA, SUPSI/USI))

# Video: People's Choice

## Exploring Collaborative Interactions Between Robots and Blind People

Filipa Correia (INESC-ID & Instituto Superior Técnico, Universidade de Lisboa),  
Raquel Oliveira (Instituto Universitário de Lisboa (ISCTE-IUL, CIS-IUL)), Mayara  
Bonani (Universidade de São Paulo), André Rodrigues (Universidade de Lisboa),  
Tiago Guerreiro (University of Lisbon), Ana Paiva (INESC-ID)

# Video: Best Video Award

## How Can You Touch and Feel via Telerobots?

Yunjoo Kim, Junghoon Park, Seungryul Kim, Jung Kim (Korea Advanced Institute of Science and Technology), Jeonghye Han (Cheongju National University of Education)

# Award

# Student Design

# Competition

# Student Design Competition: Delegates' Choice

Pomelo, a Collaborative Education Technology  
Interaction Robot

Liora Nasi, Yoel Yusuf Nasi, Can Aydin, Rana Taki, Batuhan Bayraktar,  
Ece Tabag, Sedat Yalcin (Hisar School)

# Student Design Competition: 2<sup>nd</sup> Prize

AVEC\*: Power Assist Vehicle Enriching  
Communication using Intuitive Interface

Jaehoon Kim (Seoul National University), Minkyung Kim (Korea Advanced Institute of Science and Technology), Hotae Lee, Keunwook Kim, Jungwook Moon (Seoul National University)

# Student Design Competition: 1st Prize

Lumigami

Alexa Marz, Constantino Brito, Regina Vargas (Centro de Diseño, Cine y  
Television)



# Award Full Paper

# Full Paper: HRI Design

**Using Skin Texture Change to Design Emotion Expression in Social Robots**

**Yuhan Hu, Guy Hoffman**

**Robots for Joy, Robots for Sorrow: Community Based Robot Design for  
Dementia Caregivers**

**Sanika Moharana, Alejandro E Panduro, Hee Rin Lee, Laurel D. Riek**

**Learning from Users: an Elicitation Study and Taxonomy for  
Communicating Small Unmanned Aerial System States Through Gestures**

**Justin W. Firestone, Rubi Quinones, Brittany A. Duncan**

# Full Paper: HRI Design

## Using Skin Texture Change to Design Emotion Expression in Social Robots

Yuhan Hu (Cornell University), Guy Hoffman (Cornell University)

# Full Paper: Theory and Methods in HRI

## Children's Aversion to Humanlike Robots Reflects an Uncanny Valley

Megan Strait (The University of Texas Rio Grande Valley), Heather L. Urry (Tufts University), Paul Muentener (Tufts University)

# Full Paper: HRI User Studies

**Robots for Inter-generational Interactions: Implications for Nonfamilial Community Settings**

**Swapna Joshi, Selma Sabanovic**

**Second Language Tutoring using Social Robots: A Large-Scale Study**

**Paul Vogt, Rianne van den Berghe, et al.**

**On-Road Evaluation of Autonomous Driving Training**

**Daniele Sportillo, Alexis Paljic, Luciano Ojeda**

**Stop doing it! Approaching Strategy for a Robot to Admonish Pedestrians**

**Kazuki Mizumaru, Satoru Satake, Takayuki Kanda, Tetsuo Ono**

# Full Paper: HRI User Studies

## Second Language Tutoring using Social Robots: A Large–Scale Study

Paul Vogt, Rianne van den Berghe, Mirjam de Haas, Laura Hoffmann, Junko Kanero, Ezgi Mamus, Jean–Marc Montanier, Cansu Oranç, Ora Oudgenoeg–Paz, Daniel Hernández García, Fotios Papadopoulos, Thorsten Schodde, Josje Verhagen, Christopher D. Wallbridge, Bram Willemsen, Jan de Wit, Tony Belpaeme, Tilbe Göksun, Stefan Kopp, Emiel Kraemer, Aylin C. Küntay, Paul Leseman, Amit Kumar Pandey

# Full Paper: Technical Advances in HRI

**Transfer depends on Acquisition: Analyzing Manipulation Strategies for Robotic Feeding**

**Daniel Gallenberger, Tapomayukh Bhattacharjee, Youngsun Kim, Siddhartha Srinivasa**

**Explanation–based Reward Coaching to Improve Human Performance via Reinforcement Learning**

**Aaquib Tabrez, Shivendra Agrawal, Bradley Hayes**

# Full Paper: Technical Advanced in HRI

## Transfer depends on Acquisition: Analyzing Manipulation Strategies for Robotic Feeding

Daniel Gallenberger, Tapomayukh Bhattacharjee, Youngsun Kim and  
Siddhartha S. Srinivasa (University of Washington)





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