

SuIDVS: 17:10-18:30 Everett Lounge
TuIVS: 10:30-11:45
Video Session

SuIDVS.01, TuIVS.34

*Intuitive Human-Robot Interaction and
Collaboration: A Gesture-Based Approach*

Miguel Simão Univ. of Coimbra
Pedro Neto Univ. of Coimbra
Olivier Gibaru Arts et Métiers ParisTech

SuIDVS.02, TuIVS.35

*A Robotic Home Assistant with Memory Aid
Functionality*

Iris Wieser Univ. of Hamburg
Sibel Toprak Univ. of Hamburg
Andreas Grenzing Univ. of Hamburg
Tobias Hinz Univ. of Hamburg
Sayantan Auddy Univ. of Hamburg
Ethem Can Karaoguz Univ. of Hamburg
Abhilash Chandran Univ. of Hamburg
Melanie Rimmels Univ. of Hamburg
Ahmed El Shinawi Univ. of Hamburg
Josip Josifovski Univ. of Hamburg
Leena Chennuru Univ. of Hamburg
Vankadara
Faiz Ul Wahab Univ. of Hamburg
Alireza
Mollaalizadeh Univ. of Hamburg
Bahnemiri
Debasish Sahu Univ. of Hamburg
Stefan Heinrich Univ. of Hamburg
Nicolás Navarro-
Guerrero Univ. of Hamburg
Erik Strahl Univ. of Hamburg
Johannes Twiefel Univ. of Hamburg
Stefan Wermter Univ. of Hamburg

SuIDVS.03, TuIVS.36

*Neurophysiological Indices of Human-Robot
Interactions Synched with FUSE Technology and
Real Time Video*

Stephanie Smith Adv. Brain Monitoring
Mike Storm Neurons Inc.
Josh Miller Adv. Brain Monitoring
Cole Tran Adv. Brain Monitoring
Amanda Manna Lowe's Innovation Labs

Thavidu Ranatunga Fellow Robots
Thomas Ramsay Neurons Inc.
Chris Berka Adv. Brain Monitoring

SuIDVS.04, TuIVS.37

*Multimodal Interaction with Multiple Co-Located
Drones in Search and Rescue Missions*

Jonathan Cacace Univ. of Naples
Alberto Finzi Univ. of Naples
Vincenzo Lippiello Univ. of Naples

SuIDVS.05, TuIVS.38

*Design and Evaluation of CAESAR: A 3D-Printed
Expressive Robot*

Jared Frank NYU Tandon School of Eng.
Matthew Moorhead NYU Tandon School of Eng.
Vikram Kapila NYU Tandon School of Eng.

SuIDVS: 17:10-18:30

Everett Lounge

Demonstration Session

SuIDVS.06

Interactive Demo of the SOPHIA Project: Combining Soft Robotics and Brain-Machine Interfaces for Stroke Rehabilitation

Alistair McConnell Heriot-Watt Univ.

Adam A. Stokes Edinburgh Univ.

Renan C. Moioli Santos Dumont Inst.

Fabricio L. Brasil Santos Dumont Inst.

David Corne Heriot-Watt Univ.

Marta Vallejo Heriot-Watt Univ.

Patricia A. Vargas Heriot-Watt Univ.

SuIDVS.07

Utilizing Bluetooth Low Energy for Human-Robot Interaction

Scheunemann Marcus Univ. of Hertfordshire

Kerstin Dautenhahn Univ. of Hertfordshire

Maha Salem Univ. of Hertfordshire

Ben Robins Univ. of Hertfordshire

SuIDVS.08

No longer presenting

SulDVS: 17:10-18:30 Everett Lounge

Interactive Session

Please keep ALL posters up the entire time from 17:10-18:30. Beyond their assigned timeframe, authors may see other poster presentations

All Odd Number Poster IDs: Presenting author must be present at their poster during 17:10-17:50.

All Even Number Poster ID: Presenting author must be present at their poster during 17:50-18:30.

SulDVS.09 17:10-17:50

Co-Design of the PAL Robot and Avatar That Perform Joint Activities with Children for Improved Diabetes Self-Management

Olivier A. Blanson TNO
Henkemans

Mark Neerincx TNO
Elettra Oleari Fondazione Centro San Raffaele

Clara Pozzi Fondazione Centro San Raffaele

Sylvia van der Pal TNO
Francesca Sacchitelli San Raffaele Hospital

Francesco Sardu Fondazione Centro San Raffaele

Roosmarijn A. van Dam TNO
Jet Shin Hong TNO

SulDVS.10 17:50-18:30

IOmi: A Humanoid Robot Hostess Made through an Industrial Design Methodology

Eiji Onchi Pontificia Univ. Catolica del Peru

César Lucho Pontificia Univ. Catolica del Peru

Michel Sigüenza Pontificia Univ. Catolica del Peru

Gabriele Trovato Waseda Univ.
Francisco Cuellar Pontificia Univ. Catolica del Peru

SulDVS.11 17:10-17:50

WATCH-I: Towards the Design of Security Companions for Security Guards

César Lucho Pontificia Univ. Catolica del Peru

Valeria Macalupú Pontificia Univ. Catolica del Peru

SulDVS.12 17:50-18:30

Development of the Left and Right Arm for an Assistive Robot and Controlled Using LabVIEW

Sudeep Sharan Frankfurt Univ. of Applied Sciences

Ruslan Schafner Frankfurt Univ. of Applied Sciences

Ketul Patel TKI GmbH

Robert Michalik Frankfurt Univ. of Applied Sciences

Julian Umansky Frankfurt Univ. of Applied Sciences

Peter Nauth Frankfurt Univ. of Applied Sciences

SulDVS.13 17:10-17:50

Person Re-Identification in a Person-Following Robot

Youngwoo Yoon ETRI

Hosub Yoon ETRI

Jaehong Kim ETRI

SulDVS.14 17:50-18:30

A Remote Navigation Method with Network Delay for Low-Cost Mobile Robots

Yuka Kato Tokyo Woman's Christian Univ.

Mamiko Tanaka Tokyo Woman's Christian Univ.

SulDVS.15 17:10-17:50

User-Adaptive Fall Detection for Patient Using Wristband Accelerometer

Young-Hoon Nho KAIST

Dong-Soo Kwon KAIST

SulDVS.16 17:50-18:30

Design of a Novel Variable Stiffness Gripper

Amirhossein H. Memar Univ. at Buffalo, SUNY

Ehsan Esfahan Univ. at Buffalo, SUNY

SulDVS.17 17:10-17:50

<i>RoboThespian As an Elementary Science Teacher</i>	
Igor Verner	Technion
Alex Polishuk	Technion
Niv Krayner	Technion
SulDVS.18	17:50-18:30
<i>Importance of Consistency of Robot's Animacy Level of Appearances and Behaviors for Higher Tolerance for Malfunctions</i>	
Tomoko Koda	Osaka Inst. of Tech.
Yuri Tatsuta	Osaka Inst. of Tech.
Chisato Tada	Osaka Inst. of Tech.
SulDVS.19	17:10-17:50
<i>A Robot Teacher: Progressive Learning Approach towards Teaching Physical Activities in Human-Robot Interaction</i>	
Diego Felipe Paez Granados	Tohoku Univ.
Jun Kinugawa	Tohoku Univ.
Kazuhiro Kosuge	Tohoku Univ.
SulDVS.20	17:50-18:30
<i>Predictors of Perceived Human-Robot Interaction Quality During Cooperative Tasks</i>	
Verena Nitsch	Bundeswehr Univ. Munich
Teresa Schoenburg	Bundeswehr Univ. Munich
SulDVS.21	17:10-17:50
<i>How Much Should I Be Intelligent?: The Impact of Autonomy Level of Intelligent Product</i>	
Hyemee Kang	Ewha Womans Univ.
Min-Gyu Kim	KIRO
Sonya Sona Kwak	Ewha Womans Univ.
SulDVS.22	17:50-18:30
<i>Analysis of Non Propositional and Non Postural Movements Performed by NAO Robot's in an Experimental Trial to Elicit Emotions</i>	
Antonio Angulo	Pontificia Univ. Catolica del Peru
Renato Paredes	Pontificia Univ. Catolica del Peru
Mayeli Orosco	Pontificia Univ. Catolica del Peru
Christihan Laurel	Pontificia Univ. Catolica del Peru
Ericka Madrid	Pontificia Univ. Catolica

Francisco Cuellar	Pontificia Univ. Catolica del Peru
Alex Davila	Pontificia Univ. Catolica del Peru
SulDVS.23	17:10-17:50
<i>Exploring the Influence of Verbal and Nonverbal Social Cues on Perceived Social Agency</i>	
Aimi Shazwani Ghazali	Eindhoven Univ. of Tech.
Jaap Ham	Eindhoven Univ. of Tech.
Emilia I. Barakova	Eindhoven Univ. of Tech.
Panos Markopoulos	Eindhoven Univ. of Tech.
SulDVS.24	17:50-18:30
<i>Behavioral Analysis Automation for Music-Based Robotic Therapy for Children with Autism Spectrum Disorder</i>	
Rachael Bevill	George Washington Univ.
Chung Hyuk Park	George Washington Univ.
Ayanna Howard	Georgia Inst. of Tech.
Myounghoon Jeon	Michigan Tech. Univ.
SulDVS.25	17:10-17:50
<i>Distinguishing Levels of Challenge from Physiological Signals for The: Robot-Assisted Rehabilitation System, RehabRoby</i>	
Yunus Palaska	Yeditepe Univ.
Duygun Erol Barkana	Yeditepe Univ.
SulDVS.26	17:50-18:30
<i>Personality Classification from Robot-Mediated Communication Cues</i>	
Oya Celiktutan	Univ. of Cambridge
Paul Bremner	Univ. of the West of England
Hatice Gunes	Univ. of Cambridge
SulDVS.27	17:10-17:50

Communicating Directional Intent in Robot Navigation Using Projection and Display Indicators

Moondeep Shrestha	Waseda Univ.
Ayano Kobayashi	Waseda Univ.
Tomoya Onishi	Waseda Univ.
Hayato Yanagawa	Waseda Univ.
Yuta Yokoyama	Waseda Univ.
Erika Uno	Waseda Univ.
Alexander Schmitz	Waseda Univ.
Mitsuhiro Kamezaki	Waseda Univ.
Shigeki Sugano	Waseda Univ.
SulDVS.28	17:50-18:30
<i>Exercise Bike System Which Can Enhance Trainee's Motivation for Prevention of Care Nursing</i>	
Yusuke Otsuki	Fukui Univ. of Tech.
Makoto Haraguchi	Fukui Univ. of Tech.
SulDVS.29	17:10-17:50
<i>Towards a Human-Robot Speech Interface for an Autonomous Teammate</i>	
Michael Novitzky	MIT
Hugh R. R. Dougherty	MIT
Michael Benjamin	MIT
SulDVS.30	17:50-18:30
<i>Interactive Learning Using COACH: Towards Machine Learners That Outperform Human Teachers</i>	
Carlos Celemin	Univ. of Chile
Javier Ruiz-del-Solar	Univ. of Chile
SulDVS.31	17:10-17:50
<i>Human Robot Activity Classification Based on Accelerometer and Gyroscope</i>	
Beibin Li	Yale Univ.
Laura Boccanfuso	Yale Univ.
Quan Wang	Yale Univ.
Erin Barney	Yale Univ.
Yeojin Amy Ahn	Yale Univ.
Claire Foster	Yale Univ.
Katarzyna Chawarska	Yale Univ.
Brian Scassellati	Yale Univ.
Frederick Shic	Yale Univ.
SulDVS.32	17:50-18:30
<i>Robot Avatar for Enhancing the Communication of Physically Disabled Humans</i>	
Ai Kashii	Keio Univ.
Kazunori Takashio	Keio Univ.
Hideyuki Tokuda	Keio Univ.

SulDVS.33	17:10-17:50
<i>Lip Synchronisation for the Icube Talking Head</i>	
Ingo Keller	Heriot-Watt Univ.
Katrin Solveig Lohan	Heriot-Watt Univ.
SulDVS.34	17:50-18:30
<i>Pupiloïd: A Pupil Response Robot for Emotional Expression in Voice Communication</i>	
Yoshihiro Sejima	Okayama Prefectural Univ.
Shoichi Egawa	Okayama Prefectural Univ.
Yoichiro Sato	Okayama Prefectural Univ.
Tomio Watanabe	Okayama Prefectural Univ.
SulDVS.35	17:10-17:50
<i>Prediction of Robot to Human Handover Events Using Vibrations</i>	
Harmeet Singh	Sant'Anna School of Adv. Studies
Marco Controzzi	Sant'Anna School of Adv. Studies
Torquato Cecchini	Sant'Anna School of Adv. Studies
Christian Cipriani	Sant'Anna School of Adv. Studies
SulDVS.36	17:50-18:30
<i>An Integrated Architecture for Telerobotics Aided by Immersive Virtual Reality</i>	
Matthew Bounds	Univ. of Houston-Victoria
Brandon Wilson	Univ. of Houston-Victoria
Alireza Tavakkoli	Univ. of Houston-Victoria
Donald Loffredo	Univ. of Houston-Victoria
SulDVS.37	17:10-17:50
<i>Physical Training of Seniors Using Robot Based Games</i>	

Søren Tranberg Hansen	BrainBotics
Jakob Engelbrecht Olsen	BrainBotics
Søren Pallisgaard	BrainBotics
Jakob Fredslund	Alexandra Inst.

SulDVS.38	17:50-18:30
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*Extracting Motion Primitives by Tracking Hand
Motions in Human Demonstrations*

Ngoc Hung Pham	Shibaura Inst. of Tech.
Takashi Yoshimi	Shibaura Inst. of Tech.

SulDVS.39	17:10-17:50
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*Step Climbing Machine Using Linkage for Walker
and Wheelchair*

Makoto Haraguchi	Fukui Univ. of Tech.
Yusuke Otsuki	Fukui Univ. of Tech.

SulDVS.40	17:50-18:30
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*Assistive Control and Clinical Trials of Robotic
Lower-Limb Exoskeleton (HEXAR-WAH) for
Hemiplegic Patients*

Deok-won Yun	Hanyang Univ.
Young-hoon Ji	Hanyang Univ.
Seung Hoon Hwang	Hanyang Univ.
Yong Hoon Han	Hanyang Univ.
Dong Bin Shin	Hanyang Univ.
Abdul Manan Khan	Hanyang Univ.
Jungsoo Han	Hanyang Univ.
Chang-Soo Han	Hanyang Univ.

SulDVS.41	17:10-17:50
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*An Intuitive Human Interface for Remote Operation
of Robotic Agents in Immersive Virtual Reality
Environments*

Jace Regenbrecht	Univ. of Houston- Victoria
Alireza Tavakkoli	Univ. of Houston- Victoria
Donald Loffredo	Univ. of Houston- Victoria
