

Conference Program

Intelligent Virtual Agents 2015

Science Centre Delft
Mijnbouwstraat 120
2628 RX Delft
The Netherlands

Monday 24 August 2015

09.45 – 10.00 Registration

10.00 – 13.00 Doctoral Consortium, including lunch

12.30 – 13.00 Registration

13.00 – 14.45 Parallel Session 1 Tutorials

Using Annotations for Virtual Human Research	Social Signal Interpretation for Virtual Agents: Basic Concepts and Implementation in the SSI Framework	Design and Use of Questionnaires in HCI: An introductory tutorial	Introduction to the Virtual Human Toolkit
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14.45 – 15.00 Coffee break

15.00 – 16.45 Parallel Session 2 Tutorials

Using Annotations for Virtual Human Research	Social Signal Interpretation for Virtual Agents: Basic Concepts and Implementation in the SSI Framework	Design and Use of Questionnaires in HCI: An introductory tutorial	Introduction to the Virtual Human Toolkit
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18.00 – 20.00 Doctoral Consortium Dinner

Tuesday 25 August 2015

09.00 – 9.30 Registration

09.30 Start workshops
11.00 – 11.30 Coffee break
12.30 – 13.30 Lunch
15.00 – 15.30 Coffee break
17.00 End workshops

Workshops	
Virtual Health Agents	Engagement in Social Intelligent Virtual Agents

Wednesday 26 August 2015

09.00 – 09.45	Registration + Coffee		
09.45 – 10.00	Welcome		
10.00 – 11.00	Keynote 1 – Page Anderson		
11.00 – 12.15	Paper session 1 – Turn-Taking (1,25)		
	Regulating Turn-taking in Multi-Child Spoken Interaction <i>Samer Al Moubayed, Jill Lehman</i>	L	11.00 – 11.30
	Conversational Behavior Reflecting Interpersonal Attitudes in Small Group Interactions <i>Brian Ravenet, Angelo Cafaro, Beatrice Biancardi, Magalie Ochs, Catherine Pelachaud</i>	L	11.30 – 12.00
	A Continuous Model for the Management of Turn-Taking in User-Agent Spoken Interactions Based on the Variations of Prosodic Signals. <i>Mathieu Jégou, Liv Lefebvre, Pierre Chevaillier</i>	S	12.00 – 12.15
12.15 – 13.45	Lunch and guided tour science centre exhibition		
13.45 – 15.00	Paper session 2 – Tools and Frameworks (1,25)		
	Automated Generation of Plausible Agent Object Interactions <i>Tim Balint, Jan M. Allbeck</i>	L	13.45 – 14.15
	A Platform for Building Mobile Virtual Humans <i>Andrew Feng, Anton Leuski, Stacy Marsella, Dan Casas, Sin-hwa Kang, Ari Shapiro</i>	S	14.15 – 14.30
	Narrative Variations in a Virtual Storyteller <i>Stephanie M. Lukin and Marilyn A. Walker</i>	S	14.30 – 14.45
	Context-Awareness in a Persistent Hospital Companion Agent <i>Timothy Bickmore, Reza Asadi, Aida Ehyaei, Harriet Fell, Lori Henault, Stephen Intille, Lisa Quintiliani, Ameneh Shamekhi, Ha Trinh, Katherine Waite, Christopher Shanahan, Michael K. Paasche-Orlow</i>	S	14.45 – 15.00
15.00 – 15.30	Coffee break		
15.30 – 17.00	Paper session 3 – Adaptive Dialogue and User Modeling (1,5)		
	Towards a Socially Adaptive Virtual Agent <i>Atef Ben Youssef, Mathieu Chollet, Hazaël Jones, Nicolas Sabouret, Catherine Pelachaud, Magalie Ochs</i>	L	15.30 – 16.00
	An Ontology-based Question System for a Virtual Coach Assisting in Trauma Recollection <i>Myrthe Tielman, Marieke van Meggelen, Mark Neerinx, Willem-Paul Brinkman</i>	S	16.00 – 16.15
	Adaptive Grounding & Dialogue Management for Autonomous Conversational Assistants for Elderly Users <i>Ramin Yaghoubzadeh, Karola Pitsch, Stefan Kopp</i>	S	16.15 – 16.30
	Opponent Modeling for Virtual Human Negotiators <i>Zahra Nazari, Gale Lucas, Jonathan Gratch</i>	S	16.30 – 16.45
	Adapting Virtual Patient Interviews for Interviewing Skills Training of Novice Healthcare Students <i>Stephanie Carnell, Shivashankar Halan, Michael Crary, Aarthi Madhavan, Benjamin Lok</i>	S	16.45 – 17.00
17.00 – 20.00	Social event – Canal boat tour Delft, with visit and reception Vermeer Center		

Thursday 27 August 2015

10.00 – 11.00	Keynote 2 – Gerben van Kleef		
11.00 – 11.30	Coffee		
11.30 – 12.30	Paper session 4 – Pedagogical Agents in Health and Training I (1)		
	Generation of Non-Compliant Behavior in Virtual Medical Narratives <i>Alan Lindsay, Fred Charles, Jonathon Read, Julie Porteous, Marc Cavazza, Gersende Georg</i>	L	11.30-12.00
	Virtual Role-Models: Using Virtual Humans to Train Best Communication Practices for Healthcare Teams <i>Andrew Cordar, Andrew Robb, Adam Wendling, Samsun Lampotang, Casey White, Benjamin Lok</i>	S	12.00-12.15
	Improving Social Awareness through Thought Bubbles and Flashbacks of Virtual Characters <i>Jeroen Linssen, Mariët Theune, Thomas de Groot, Dirk Heylen</i>	S	12.15-12.30
12.30 – 13.30	Lunch		
13.30 – 14.45	Paper session 5 – Cognitive, Affective and Social Models (1.25)		
	Virtual Suspect William <i>Merijn Bruijnes, Rieks op den Akker, Arno Hartholt, Dirk Heylen</i>	S	13.30-13.45
	Modeling a Social Brain for Interactive Agents: Integrating Mirroring and Mentalizing <i>Sebastian Kahl and Stefan Kopp</i>	S	13.45-14.00
	Modeling Sensation for an Intelligent Virtual Agent's Perception Process <i>Tobias Haubrich, Sven Seele, Rainer Herpers, Christian Bauckhage, Peter Becker</i>	S	14.00-14.15
	Towards Adaptive, Interactive Virtual Humans in Sigma <i>Volkan Ustun, Paul Rosenbloom</i>	S	14.15-14.30
	Beyond Believability: Quantifying the Differences between Real and Virtual Humans <i>Celso De Melo, Jonathan Gratch</i>	S	14.30-14.45
14.45 – 15.15	Coffee		
15.15 – 16.15	Session 6 – Virtual Agent Perception Studies I (1)		
	Offscreen and in the chair next to you: Conversational agents speaking through actual human bodies <i>Kevin Corti, Alex Gillespie</i>	L	15.15-15.45
	On the Trail of Facial Processing in Autism Spectrum Disorders <i>Diana Arellano, Ulrich Max Schaller, Reinhold Rauh, Volker Helzle, Marc Spicker, Oliver Deussen</i>	S	15.45-16.00
	Virtual Blindness – A Choice Blindness Experiment with a Virtual Experimenter <i>Martin Lingonblad, Ludvig Londos, Arvid Nilsson, Emil Boman, Jens Nirme, Magnus Haake</i>	S	16.00-16.15
16.15 – 16.45	Plenary Poster – Demo booster session		
16.45 – 18.30	Poster and Demo		
18.30 – 19.00	Walk to conference dinner location		
19.00 – 23.00	Conference dinner at Stadsherberg de Mol		

Friday 28 August 2015

10.00 – 11.00	Keynote 3 – Michaël Bas		
11.00 – 11.30	Coffee		
11.30 – 12.30	Paper session 7 – Pedagogical Agents in Health and Training II (1)		
	Negotiation as a Challenge Problem for Virtual Humans <i>Jonathan Gratch, David DeVault, Gale Lucas, Stacy Marsella</i>	L	11.30-12.00
	Exploring the Effects of Healthcare Students Creating Virtual Patients for Empathy Training <i>Shivashankar Halan, Isaac Sia, Michael Crary, Benjamin Lok</i>	S	12.00-12.15
	Automated Explanation of Research Informed Consent by Virtual Agents <i>Timothy Bickmore, Dina Utami, Shuo Zhou, Candace Sidner, Lisa Quintiliani, Michael Paasche-Orlow</i>	S	12.15-12.30
12.30 – 13.30	Lunch		
13.30 – 15.15	Paper session 8 – Nonverbal behavior and gestures (1,75)		
	Real-time Visual Prosody for Interactive Virtual Agents <i>Herwin van Welbergen, Yu Ding, Kai Sattler, Catherine Pelachaud, Stefan Kopp</i>	L	13.30-14.00
	Predicting Co-verbal Gestures: A Deep and Temporal Modeling Approach <i>Chung-Cheng Chiu, Louis-Philippe Morency, Stacy Marsella</i>	L	14.00-14.30
	Modeling Warmth and Competence in Virtual Characters <i>Truong-Huy Nguyen, Elin Carstensdóttir, Nhi Ngo, Magy Seif El-Nasr, Matthew Gray, Derek Isaacowitz, David DeSteno</i>	L	14.30-15.00
	Storytelling Agents with Personality and Adaptivity <i>Chao Hu, Marilyn Walker, Michael Neff, Jean Fox Tree</i>	S	15.00-15.15
15.15 – 15.45	Coffee		
15.45 – 16.45	Session 9 – Virtual Agent Perception Studies II (1)		
	Game experience when controlling a weak avatar in full-body enaction <i>Roberto Pugliese, Klaus Förger, Tapio Takala</i>	L	15.45-16.15
	Comparing behavior towards humans and virtual humans in a social dilemma <i>Rens Hoegen, Giota Stratou, Gale M. Lucas, Jonathan Gratch</i>	S	16.15-16.30
	A Feminist Virtual Agent for Breastfeeding Promotion <i>Lin Shi, Timothy Bickmore, Roger Edwards</i>	S	16.30-16.45
16.45 – 17.00	Closing session		

Posters and Demos

On Conversational Agents with Mental States

Tibor Boss and Simon Provoost

From one to many: Simulating groups of agents with Reinforcement Learning controllers

Luiselena Casadiego, Nuria Pelechano

An Experience-Based Approach to Simulate Virtual Crowd Behaviors Under the Influence of Alcohol

Vinicius Jurinic Cassol, Cliceris Mack Dal Bianco, Alexandre Carvalho, Jovani Brasil, Maristela Monteiro, Soraia Raupp Musse

Modelling Group Behaviour in Autonomous Synthetic Characters

Naziya Hussaini, Ruth Aylett

A Framework for Exogenous and Endogenous Reflexive Behavior in Virtual Characters

Ulysses Bernardet, Steve DiPaola

Gestural coupling between humans and virtual characters in an artistic context of imitation

Elisabetta Bevacqua, Céline Jost, Alexis Nédélec, Pierre De Loor

Linking aetiology with social communication in a virtual stroke patient

Harry Brenton, Peter Woodward, Marco Gillies, Jonathan Birns, Diane Ames, Fernando Bello

Adapting a Geriatrics Health Counseling Virtual Agent for the Chinese Culture

Zhe Zhang, Ha Trinh, Qiong Chen, Timothy Bickmore

Breathe with Me: A Virtual Meditation Coach

Ameneh Shamekhi, Timothy Bickmore

LOITER-TB: Thought Bubbles that Give Feedback on Virtual Agents' Experiences

Jeroen Linssen, Thomas de Groot, Mariët Theune and Dirk Heylen

Design and Implementation of Home-Based Virtual Reality Exposure Therapy System with a Virtual eCoach

Dwi Hartanto, Willem-Paul Brinkman, Isabel L. Kampmann, Nexhmedin Morina, Paul G.M. Emmelkamp and Mark A. Neerincx

A Motion Style Toolbox

Klaus Förger, Tapio Takala

A Collaborative Human-robot Game as a Test-bed for Modelling Multi-party, Situated Interaction

Gabriel Skantze, Martin Johansson, Jonas Beskow

The Affective Storyteller: Using Character Emotion to Influence Narrative Generation

Frank Kaptein, Joost Broekens

Prototyping User Interfaces for Investigating the Role of Virtual Agents in Human-Machine Interaction: A Demonstration in the Domain of Cooperative Games

Nikita Mattar, Herwin van Welbergen, Philipp Kulms, Stefan Kopp

An Interaction Game Framework for the Investigation of Human-Agent Cooperation

Philipp Kulms, Nikita Mattar, Stefan Kopp

From non-human to human: Adult's and children's perceptions of agents varying in humanness

Eva Krumhuber, Arvid Kappas, Colette Hume, Lynne Hall, Ruth Aylett

Smart Mobile Virtual Humans: "Chat with Me!"

Sin-Hwa Kang, Andrew W. Feng, Anton Leuski, Dan Casas, Ari Shapiro

The Partial Poker-Face: When Affective Characters Try to Hide Their True Emotions
Christopher Ritter and Ruth Aylett

Emotionally Augmented Storytelling Agent: The Effects of Dimensional Emotion Modeling for Agent Behavior Control
Sangyoon Lee, Andrew E. Johnson, Jason Leigh, Luc Renambot, Steve Jones and Barbara Di Eugenio

Effect of a Virtual Agent's Contingent Smile Response on Perceived Social Status
Maryam Saberi, Ulysses Bernardet, Steve DiPaola

Doctoral Consortium Posters and Demos

Decision Making for Affective Agents in Assistive Environments
Konstantinos Tsiakas

Emergence of synchrony in an Adaptive Interaction Model
Kevin Sanlaville, Frédéric Bevilacqua, Catherine Pelachaud

Building a Dynamic and Continuous Model of Turn-Taking based on Human Prosodic Signals
Mathieu Jégou
Cultural Negotiating Agents
Elnaz Nouri

Virtual e-Coaching for Post-Traumatic Stress Disorder treatment
Myrthe Tielman

Virtual Agent Scenario Generation through Natural Language Understanding
Tim Balint