

# SEMDIAL 2015 goDIAL

## Proceedings of the 19th Workshop on the Semantics and Pragmatics of Dialogue

Christine Howes and Staffan Larsson (eds.)

Gothenburg, 24–26 August 2015



UNIVERSITY OF  
GOTHENBURG

**ISSN 2308-2275**

Serial title: Proceedings (SemDial)

## **SemDial Workshop Series**

<http://www.illc.uva.nl/semDial/>

## **goDIAL Website**

<http://www.flov.gu.se/godial>

## **goDIAL Sponsors**

**CLT**



Swedish Research Council  
Vetenskapsrådet

## **goDIAL Endorsements**



## Preface

goDIAL brings the SemDial Workshop on the Semantics and Pragmatics of Dialogue back to the University of Gothenburg, where the fourth meeting - GÖTALOG - took place in 2000. goDIAL, and the SemDial workshop as a whole, is unique in offering a cross section of dialogue research including experimental studies, corpus studies, and formal models of the semantics and pragmatics of dialogue.

We received a total of 40 full paper submissions, 17 of which were accepted after a peer-review process, during which each submission was reviewed by a panel of three experts. We are extremely grateful to the Programme Committee members for their very detailed and helpful reviews. The poster session hosts 8 of the remaining submissions, together with 21 additional submissions that came in response to a call for late-breaking posters and demos. All accepted full papers and poster abstracts are included in this volume.

The goDIAL programme features three keynote presentations by Ellen Bard, Elisabet Engdahl and Marilyn Walker. We thank them for participating in SemDial and are honoured to have them at the workshop. Abstracts of their contributions are also included in this volume.

goDIAL has received generous financial support from the Swedish Research Council (<http://www.vr.se>), Talkamatic (<http://www.talkamatic.se>), and the Centre for Language Technology at Gothenburg University (<http://clt.gu.se>). We are very grateful for this sponsorship. We have also been given endorsements by the ACL Special Interest Groups: SIGdial and SIGSEM.

This year, we are very happy and proud to co-locate goDIAL with the inauguration workshop of CLASP (<http://flov.gu.se/clasp/inauguration-workshop>), the Centre for Linguistic Theory and Studies of Probability.

Last but not least we would like to thank our local organisers Simon Dobnik and Ellen Breitholtz for their tireless work, and everyone else who helped with all aspects of the organisation, including our student helpers.

Christine Howes and Staffan Larsson

Gothenburg

August 2015

# Programme Committee

Nicholas Asher	IRIT, CNRS
Claire Beyssade	CNRS/Institut Jean Nicod
Ellen Breitholtz	University of Gothenburg
Sarah Brown-Schmidt	University of Illinois
Eve Clark	Stanford University
Liz Coppock	University of Gothenburg
Chris Cummins	University of Edinburgh
Valeria De Paiva	University of Birmingham
Paul Dekker	ILLC, University of Amsterdam
David DeVault	ICT USC
Simon Dobnik	University of Gothenburg
Arash Eshghi	Heriot Watt University
Raquel Fernandez	University of Amsterdam
Kallirroi Georgila	University of Southern California
Jonathan Ginzburg	Universite Paris-Diderot, Paris 7
Eleni Gregoromichelaki	King's College London
Pat Healey	Queen Mary University of London
Anna Hjalmarsson	KTH
Judith Holler	Max Planck
Julian Hough	Bielefeld University
Chris Howes	University of Gothenburg
Amy Isard	University of Edinburgh
Kristiina Jokinen	University of Helsinki
Ruth Kempson	King's College London
Alexander Koller	University of Potsdam
Staffan Larsson	University of Gothenburg
Alex Lascarides	University of Edinburgh
Pierre Lison	University of Oslo
Peter Ljunglöf	Chalmers Institute of Technology
Colin Matheson	University of Edinburgh
Gregory Mills	University of Groningen
Chris Potts	Stanford University
Matthew Purver	Queen Mary University of London
Hannes Reiser	Bielefeld University
David Schlangen	Bielefeld University
Gabriel Skantze	KTH
Matthew Stone	Rutgers
David Traum	ICT USC

# Table of Contents

## Invited Talks

How weird is that? Predictability and cognitive difficulty in dialogue . . . . .	2
<i>Ellen Bard</i>	
How to connect an utterance: Strategies for cohesive dialogues in Scandinavian . . . . .	3
<i>Elisabet Engdahl</i>	
Semantics and sarcasm in online dialogue . . . . .	4
<i>Marilyn Walker</i>	

## Oral Presentations

Taking a stance: A corpus study of reported speech . . . . .	6
<i>Shauna Concannon, Pat Healey and Matthew Purver</i>	
Shifting opinions: Experiments on agreement and disagreement in dialogue . . . . .	15
<i>Shauna Concannon, Pat Healey and Matthew Purver</i>	
Changing perspective: Local alignment of reference frames in dialogue . . . . .	24
<i>Simon Dobnik, Christine Howes and John Kelleher</i>	
Learning non-cooperative dialogue policies to beat opponent models: “The good, the bad and the ugly” . . . . .	33
<i>Ioannis Efstathiou and Oliver Lemon</i>	
Exploring age-related conversational interaction . . . . .	42
<i>Jeroen Geertzen</i>	
Engagement driven topic selection for an information-giving agent . . . . .	48
<i>Nadine Glas, Ken Prepin and Catherine Pelachaud</i>	
Building and applying perceptually-grounded representations of multimodal scene descriptions . . . . .	58
<i>Ting Han, Casey Kennington and David Schlangen</i>	
User information extraction for personalized dialogue systems . . . . .	67
<i>Toru Hirano, Nozomi Kobayashi, Ryuichiro Higashinaka, Toshiro Makino and Yoshihiro Matsuo</i>	
How far can we deviate from the performative formula? . . . . .	77
<i>Lisa Hofmann</i>	
Timing and grounding in motor skill coaching interaction: Consequences for the information state . . . . .	86
<i>Julian Hough, Iwan de Kok, David Schlangen and Stefan Kopp</i>	
Defining the right frontier in multi-party dialogue . . . . .	95
<i>Julie Hunter, Nicholas Asher, Eric Kow, Jérémy Perret and Stergos Afantenos</i>	
Learning trade negotiation policies in strategic conversation . . . . .	104
<i>Simon Keizer, Heriberto Cuayáhuil and Oliver Lemon</i>	
Reducing the cost of dialogue system training and evaluation with online, crowd-sourced dialogue data collection . . . . .	113

<i>Ramesh Manuvinakurike, Maike Paetzel and David Devault</i>	
When hands talk to mouth: Gesture and speech as autonomous communicating processes . . . . .	122
<i>Hannes Rieser</i>	
Interpreting English pitch contours in context . . . . .	131
<i>Julian Schlöder and Alex Lascarides</i>	
“Hand me the yellow stapler” or “hand me the yellow dress”: Colour overspecification depends on object category . . . . .	140
<i>Sammie Tarenskeen, Mirjam Broersma and Bart Geurts</i>	
Editing Phrases . . . . .	149
<i>Ye Tian, Claire Beyssade, Yannick Mathieu and Jonathan Ginzburg</i>	
<b>Poster Presentations</b>	
The significance of silence: Long gaps attenuate the preference for ‘yes’ responses in conversation	158
<i>Sara Bögels, Robin Kendrick and Stephen Levinson</i>	
Within reason: Categorising enthymematic reasoning in the balloon task . . . . .	160
<i>Ellen Breitholtz and Christine Howes</i>	
Context influence vs efficiency in establishing conventions: Communities do it better . . . . .	162
<i>Lucia Castillo, Holly Branigan and Kenny Smith</i>	
Are response particles not well understood? Yes/No, they aren’t! An experimental study on German ja and nein . . . . .	164
<i>Berry Claus, Marlijn Meijer, Sophie Repp and Manfred Krifka</i>	
KILLE: Learning objects and spatial relations with kinect . . . . .	166
<i>Erik de Graaf and Simon Dobnik</i>	
Demonstrating the dialogue system of the intelligent coaching space . . . . .	168
<i>Iwan de Kok, Julian Hough, Felix Hülsmann, Thomas Waltema, Mario Botsch, David Schlangen and Stefan Kopp</i>	
Non-sentential utterances in dialogue: Experiments in classification and interpretation . . . . .	170
<i>Paolo Dragone and Pierre Lison</i>	
DS-TTR: An incremental, semantic, contextual parser for dialogue . . . . .	172
<i>Arash Eshghi</i>	
What could interaction mean in natural language and how could it be useful? . . . . .	174
<i>Christophe Fouqueré and Myriam Quatrini</i>	
Towards the automatic extraction of corrective feedback in child-adult dialogue . . . . .	176
<i>Sarah Hiller and Raquel Fernandez</i>	
Spot the difference - A dialog system to explore turn-taking in an interactive setting . . . . .	178
<i>Anna Hjalmarsson and Margaret Zellers</i>	
Eye blinking as addressee feedback in face-to-face conversation . . . . .	180
<i>Paul Hömke, Judith Holler and Stephen C. Levinson</i>	

A reusable interaction management module: Use case for empathic robotic tutoring . . . . .	182
<i>Srinivasan Janarthanam, Helen Hastie, Amol Deshmukh, Ruth Aylett and Mary Ellen Foster</i>	
Concern-alignment analysis of consultation dialogues . . . . .	184
<i>Yasuhiro Katagiri and Katsuya Takanashi</i>	
The interactive building of names . . . . .	186
<i>Ruth Kempson, Stergios Chatzikyriakidis and Ronnie Cann</i>	
Playing a real-world reference game using the words-as-classifiers model of reference resolution .	188
<i>Casey Kennington, Soledad Lopez Gambino and David Schlangen</i>	
The state of the art in dealing with user answers . . . . .	190
<i>Staffan Larsson</i>	
Polish event-linking devices of przed ‘before’ cluster in conversational data Implications for con- trastive analysis . . . . .	192
<i>Barbara Lewandowska-Tomaszczyk</i>	
Developing spoken dialogue systems with the OpenDial toolkit . . . . .	194
<i>Pierre Lison and Casey Kennington</i>	
CCG for discourse . . . . .	196
<i>Sumiyo Nishiguchi</i>	
Experimenting with grounding strategies in dialogue . . . . .	198
<i>Volha Petukhova, Harry Bunt, Andrei Malchanau and Ramkumar Aruchamy</i>	
Self awareness for better common ground . . . . .	200
<i>Ondřej Plátek and Filip Jurčiček</i>	
Adaptive dialogue management in the KRISTINA project for multicultural health care applications	202
<i>Louisa Pragst, Stefan Ultes, Matthias Kraus and Wolfgang Minker</i>	
Toward a scary comparative corpus: The Werewolf spoken corpus . . . . .	204
<i>Laurent Prévot, Yao Yao, Arnaud Gingold, Bernard Bel and Kam Yiu Joe Chan</i>	
Towards a layered framework for embodied language processing in situated human-robot interaction . . . . .	206
<i>Matthias A. Priesters, Malte Schilling and Stefan Kopp</i>	
How questions and answers cohere . . . . .	208
<i>Mandy Simons</i>	
Modeling referential coordination as a particle swarm optimization task . . . . .	210
<i>Hodgdon Stevens and Hannah Rohde</i>	
Distribution of non-sentential utterances across BNC genres: A preliminary report . . . . .	212
<i>Kwong-Cheong Wong and Jonathan Ginzburg</i>	
Interactive learning through dialogue for multimodal language grounding . . . . .	214
<i>Yanchao Yu, Oliver Lemon and Arash Eshghi</i>	