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SIGdial06

The 7th SIGdial Workshop on Discourse and Dialogue

Proceedings of the Workshop

Chairs:

Jan Alexandersson and Alistair Knott

15-16 July 2006

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Preface

This is the proceedings of the Seventh SIGdial Workshop on Discourse and Dialogue. It is organized by SIGDial which is jointly sponsored by ACL and ISCA. The seventh workshop continues a series of successful workshops held in Hong Kong, Aalborg, Philadelphia, Sapporo, Boston and Lisbon. These workshops attract a wide range of participants, both within the dialogue community and beyond.

For this workshop, we received a total of 45 submissions of which we accepted 21. 11 of these are full papers and the rest posters. At the time of writing we are in the process of collecting demonstrations. However, due to the tight time schedule, we will unfortunately not be able to include these into the proceedings. The papers cover a number of thematic areas: spoken dialogue systems, question-answering agents, natural language generation for dialogue applications, machine learning and multimodal dialogue management.

We are very grateful to the members of the Program Committee for investing their time not only for reviewing but also for their post-review discussions.

There are a number of additional people who have been involved in the preparation of this workshop. In particular, we would like to express our gratitude to the following people: Stephan Lesch (DFKI GmbH) for setting up and management of the web page, Olivia Kwong for help producing the proceedings and Suzanne Stevenson for local organisation. We would also like to thank Microsoft for their sponsorship of the workshop. Finally, a special thanks to David Traum (ICT) and Wolfgang Minker (Ulm) from the SIGdial executive committee for their valuable advice and assistance.

We are very grateful to our invited speakers Diane Litman (Pittsburgh) and Jonathan Ginzburg (King's College, London) for contributing their expertise. It is our belief that their presence will make the workshop even more attractive. Finally, we wish all participants of the Workshop a great event.

Jan Alexandersson (DFKI GmbH) and Alistair Knott (University of Otago)
Organising Committee

Organizers

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Alistair Knott, University of Otago (New Zealand)

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Marc Swerts, Tilburg University (The Netherlands)
David Traum, USC/ICT (USA)
Bonnie Webber, University of Edinburgh (UK)
Janyce Wiebe, University of Pittsburgh (USA)
Ingrid Zukerman, Monash University (Australia)

Invited Speakers:

Jonathan Ginzburg, King's College, London (UK)
Diane J. Litman, University of Pittsburgh (USA)

Workshop Program

Saturday, 15 July 2006

08:45–09:00 Opening remarks

Session 1: Spoken dialogue systems

09:00–09:45 *Adaptive Help for Speech Dialogue Systems Based on Learning and Forgetting of Speech Commands*

Alexander Hof, Eli Hagen and Alexander Huber

09:45–10:30 *Multi-Domain Spoken Dialogue System with Extensibility and Robustness against Speech Recognition Errors*

Kazunori Komatani, Naoyuki Kanda, Mikio Nakano, Kazuhiro Nakadai, Hiroshi Tsujino, Tetsuya Ogata and Hiroshi G. Okuno

10:30–11:00 Morning coffee break

Session 2: Question-answering agents

11:00–11:45 *Building Effective Question Answering Characters*

Anton Leuski, Ronakkumar Patel, David Traum and Brandon Kennedy

11:45–12:30 *Interactive Question Answering and Constraint Relaxation in Spoken Dialogue Systems*

Sebastian Vargas, Fuliang Weng and Heather Pon-Barry

12:30–13:45 Lunch

Invited Talk I - Jonathan Ginzburg

13:45–14:45 *Content Recognition in Dialogue*

Jonathan Ginzburg

Session 3: Generation in dialogue

14:45–15:30 *Multidimensional Dialogue Management*

Simon Keizer and Harry Bunt

15:30–16:00 Afternoon coffee break

Saturday, 15 July 2006 (continued)

16:00–17:00 **Poster and demo session**

DRT Representation of Degrees of Belief

Yafa Al-Raheb

Resolution of Referents Groupings in Practical Dialogues

Alexandre Denis, Guillaume Pitel and Matthieu Quignard

Tracing Actions Helps in Understanding Interactions

Bernd Ludwig

Semantic and Pragmatic Presupposition in Discourse Representation Theory

Yafa Al-Raheb

Semantic tagging for resolution of indirect anaphora

R. Vieira, E. Bick, J. Coelho, V. Muller, S. Collovini, J. Souza and L. Rino

An annotation scheme for citation function

Simone Teufel, Advaith Siddharthan and Dan Tidhar

An Information State-Based Dialogue Manager for Call for Fire Dialogues

Antonio Roque and David Traum

Automatically Detecting Action Items in Audio Meeting Recordings

William Morgan, Pi-Chuan Chang, Surabhi Gupta and Jason M. Brenier

Empirical Verification of Adjacency Pairs Using Dialogue Segmentation

T. Daniel Midgley, Shelly Harrison and Cara MacNish

Multimodal Dialog Description Language for Rapid System Development

Masahiro Araki and Kenji Tachibana

(Titles of demos will be provided at the workshop)

Sunday, 16 July 2006

Session 4: Coherence relations and dialogue acts

09:00–09:45 *Classification of Discourse Coherence Relations: An Exploratory Study using Multiple Knowledge Sources*

Ben Wellner, James Pustejovsky, Catherine Havasi, Anna Rumshisky and Roser Saurí

09:45–10:30 *Measuring annotator agreement in a complex hierarchical dialogue act annotation scheme*

Jeroen Geertzen and Harry Bunt

10:30–11:00 Morning coffee break

Session 5: Machine learning I

11:00–11:45 *Balancing Conflicting Factors in Argument Interpretation*

Ingrid Zukerman, Michael Niemann and Sarah George

11:45–12:30 *An Analysis of Quantitative Aspects in the Evaluation of Thematic Segmentation Algorithms*

Maria Georgescu, Alexander Clark and Susan Armstrong

12:30–13:45 Lunch

Invited Talk II - Diane J. Litman

13:45–14:45 *Discourse and Dialogue Processing in Spoken Intelligent Tutoring Systems*

Diane J. Litman

Session 6: Multi-modal dialogue management

14:45–15:30 *A computational model of multi-modal grounding for human robot interaction*

Shuyin Li, Britta Wrede and Gerhard Sagerer

15:30–16:00 Afternoon coffee break

Session 7: Machine learning II

16:00–16:45 *Relationship between Utterances and "Enthusiasm" in Non-task-oriented Conversational Dialogue*

Ryoko Tokuhisa and Ryuta Terashima

16:45–17:00 Closing remarks

