

INLG 2017

**Proceedings of the 6th Workshop on
Recent Advances in RST and Related Formalisms**

RST 2017

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Preface

Rhetorical Structure Theory explains text coherence through relations held between parts of text, both in macro and microstructure (Mann and Thompson, 1988). RST is both a theory of discourse and a useful tool in various applications. In Linguistics, and as a theory of discourse, RST is a framework for the analysis of texts. It accounts for text coherence by postulating relations among units of discourse, which join together in a recursive fashion. It has provided important insights into text coherence, clause combining and discourse organization in language, across multiple languages. In Computational Linguistics, RST has proven useful in applications such as sentiment analysis and machine translation. A detailed description, including multiple references, is available from the RST web site: <http://www.sfu.ca/rst/>.

The 2017 Workshop on “RST and Related Formalisms” follows a series of events organized biannually first in Brazil (2007, 2009, 2011, 2013) as part of Brazilian NLP conferences, and then in Spain in 2015, as part of the Spanish NLP conference (<https://sites.google.com/site/workshoprst2015/>). The workshops have brought together the international community of researchers working in RST.

The 2017 Workshop was envisioned as a broader event, drawing program committee members and participants not only from RST, but from the wider field of discourse parsing and coherence relations, in RST and in related theories and approximations (SDRT, PDTB, CCR). We received 11 submissions, and each one was reviewed by two members of the Program Committee, according to the following criteria: originality; adequate theoretical support and methodology; quality of the analysis; clarity of presentation and relevant references. Of the 11 submissions, 10 were accepted. We also expanded the program with a demo session.

We would like to thank the members of the Program Committee for their commitment to the workshop. We look forward to another instance of the workshop in the future, and to much more excellent RST-based research.

REFERENCE:

Mann, W.C. and Thompson, S.A. 1988. Rhetorical Structure Theory: Toward a functional theory of text organization. *Text-Interdisciplinary Journal for the Study of Discourse*, 8(3), p. 243-281.

September 30, 2017
Bilbo - Basque Country (Spain)

Maite Taboada
Iria da Cunha
Erick Galani Maziero
Paula Cardoso
Juliano Desiderato Antonio
Mikel Iruskietta
Co-Organizers of RST 2017

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Workshop Program

08:30 - 09:00 Registration

09:00 Opening: Juliano A. Desiderato

9h – 1st session. Chair: Iria da Cunha

- **9:00** *Deliberation as Genre: Mapping Argumentation through Relational Discourse Structure*
Oier Imaz and Mikel Iruskieta
- **9:30** *The Good, the Bad, and the Disagreement: Complex ground truth in rhetorical structure analysis*
Debopam Das, Manfred Stede and Maite Taboada
- **10:00** *A Distributional View of Discourse Encapsulation: Multifactorial Prediction of Coreference Density in RST*
Amir Zeldes
- **10:30** *Rhetorical relations markers in Russian RST Treebank*
Svetlana Toldova, Dina Pisarevskaya, Margarita Ananyeva, Maria Kobozeva, Alexander Nasedkin, Sofia Nikiforova, Irina Pavlova and Alexey Shelepov

11:00 - 11:30 Coffee Break

11:30 - 13.30 – 2nd session. Chair: Juliano D. Antonio

- **11:30** *Applying the Rhetorical Structure Theory in Alzheimer patients' speech*
Anayeli Paulino de Jesús and Gerardo Sierra
- **12:00** *Using lexical level information in discourse structures for Basque sentiment analysis*
Jon Alkorta, Koldo Gojenola, Mikel Iruskieta and Maite Taboada
- **12:30** *Framework for the Analysis of Simplified Texts Taking Discourse into Account: the Basque Causal Relations as Case Study*
Itziar Gonzalez-Dios, Arantza Diaz de Ilarraza and Mikel Iruskieta
- **13:00** *Using Rhetorical Structure Theory for Detection of Fake Online Reviews*
Olu Popoola

13:30 - 14:30 Lunch

14:30 - 16:00 – 3rd session. Chair: Debopam Das

- **11:30** *“Haters gonna hate”: challenges for sentiment analysis of Facebook comments in Brazilian Portuguese*
Juliano D. Antonio and Ana Cristina Leatte Santin
- **11:30** *Discourse Segmentation for Building a RST Chinese Treebank*
Shuyuan Cao, Nianwen Xue, Iria da Cunha, Mikel Iruskieta and Chuan Wang

15:30 Open Meeting

16:30 Coffee-break

17:00 Demo session

- **11:30** *rstWeb tool: demo session*
Amir Zeldes
- **11:30** *ArText: demo session*
Iria da Cunha

19:00 Workshop closure