Proceedings of the ACL-2012 Special Workshop on Rediscovering 50 Years of Discoveries

July 10, 2012
Jeju Island, Korea
Preface

Fifty years of Computational Linguistics are nothing when compared to the long history of human language. However, those same fifty years of Computational Linguistics constitute a lot in terms of achievements and advances towards better understanding one of the most natural yet complex human phenomena. Fifty years of Computational Linguistics are, indeed, a lifetime of endeavours, successes and failures, but they just represent the very beginning of an interesting journey over a vast sea of undiscovered knowledge.

In this first 50th anniversary of the Association for Computational Linguistics, we just take this brief pause to review our history and project our future, to ensure that our current legacy will endure the indifference of time and that future generations can step on the shoulders of the many pioneers of this new wonderful discipline, in which language is clearly showing its reluctance to being tamed by mathematics.

Welcome to the ACL-2012 Special Workshop on Rediscovering 50 Years of Discoveries!

Rafael E. Banchs
Jeju, Korea, July 10th, 2012

Workshop Objectives

This workshop is intended to commemorate the 50th anniversary of the Association for Computational Linguistics (ACL) by creating a new space for debating and discussing about specific issues related to preserving, analysing and exploiting the scientific heritage of the ACL, as well as to envisage future trends, applications and research in Computational Linguistics.

The main objective of the workshop has been to gather contributions about the history, the evolution and the future of research in Computational Linguistics. Although the call for papers was open to any kind of technical contribution that was relevant to the main objective of the workshop, we specially encouraged the submission of research work related to the application of natural language processing and text mining techniques to the ACL Anthology Reference Corpus (ACL ARC), which is publicly available from the ACL ARC project website.

In addition to the technical program, the workshop introduces a new contributed task, in the spirit of a crowd-sourcing activity, for augmenting and improving the current status of the ACL Anthology Reference Corpus. The goal of the contributed task is to provide a high quality version of the textual content of the ACL Anthology as a corpus. Besides the more accurate text extraction, the rich text markup can be also an important source of information for corpus-based applications such as summarization, scientific discourse analysis, citation analysis, citation classification, question answering, textual entailment, taxonomy, ontology, information extraction, parsing, coreference resolution, semantic search and many more.
Acknowledgments

This special workshop has been possible thanks to the effort of many people...

Special thanks to the Steering Committee and the Contributed Task Committee for their timely advice and suggestions.

Special thanks also to all Program Committee members for their devoted work and recommendations during the peer reviewing process, as well as to Publicity and Technical Committee members for their invaluable help during the workshop planning and preparation.

Finally, and most important of all; special thanks to all authors and co-authors who had contributed with their work to put together such an interesting technical program.
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Special Workshop Program

Tuesday, July 10th

(11:00-12:30) Session 1: The People (ACL Session 4a)

11:00  Rediscovering ACL Discoveries Through the Lens of ACL Anthology Network Citing Sentences
Dragomir Radev and Amjad Abu-Jbara

Ashton Anderson, Dan Jurafsky and Daniel A. McFarland

11:40  Discovering Factions in the Computational Linguistics Community
Yanchuan Sim, Noah A. Smith and David A. Smith

12:00  He Said, She Said: Gender in the ACL Anthology
Adam Vogel and Dan Jurafsky

(14:00-15:30) Session 2: The Contents (ACL Session 5a)

14:00  Discourse Structure and Computation: Past, Present and Future
Bonnie Webber and Aravind Joshi

14:20  Extracting glossary sentences from scholarly articles: A comparative evaluation of pattern bootstrapping and deep analysis
Melanie Reiplinger, Ulrich Schäfer and Magdalena Wolska

14:40  Applying Collocation Segmentation to the ACL Anthology Reference Corpus
Vidas Daudaravicius

15:00  Text Reuse with ACL: (Upward) Trends
Parth Gupta and Paolo Rosso
Tuesday, July 10th (continued)

(16:00-17:30) Session 3: The Anthology (ACL Session 6a)

16:00    Integrating User-Generated Content in the ACL Anthology
         Praveen Bysani and Min-Yen Kan

16:20    Towards an ACL Anthology Corpus with Logical Document Structure. An Overview of the ACL 2012 Contributed Task
         Ulrich Schäfer, Jonathon Read and Stephan Oepen

16:40    Towards High-Quality Text Stream Extraction from PDF. Technical Background to the ACL 2012 Contributed Task
         Øyvind Raddum Berg, Stephan Oepen and Jonathon Read

17:00    Combining OCR Outputs for Logical Document Structure Markup. Technical Background to the ACL 2012 Contributed Task
         Ulrich Schäfer and Benjamin Weitz

17:20    Linking Citations to their Bibliographic references
         Huy Do Hoang Nhat and Praveen Bysani