NAACL HLT 2010

Computational Linguistics in a World of Social Media

Proceedings of the Workshop

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Introduction

Social Media eg Twitter, Blogs, Forums, FaceBook, Google Buzz has exploded over the last few years. FaceBook is now the most visited site in the US, overtaking Google in the first quarter of 2010. These sites contain the aggregated beliefs and opinions of millions of people on an epic range of topics, in a multitude of languages.

Social Media presents many challenges and opportunities to the ACL community, with this workshop being the first of its kind at a computational linguistics venue. Accepted papers range from story detection and tracking to discourse, applied across new and old media including company announcements, news, forums, blogs and micro-blogs. A notable aspect is the predominance of Twitter as a Social Media resource.

We experimented with a new kind of workshop based on a philosophy that ACL workshops should serve a different purpose than the main conference. To encourage submission of new ideas, we restricted papers to just two sides. And, to create a fast-paced and highly interactive workshop, each accepted paper was allotted a short talk and a poster.

Our invited talks touch upon various aspects of Social Media; distilling collective beliefs and making them concrete (Noah Smith); new technologies (Casey Whitelaw); the relationships between old and new media (Jochen Leidner). They give a balance between industry and academia and highlight the relationships between Human Language Technologies and Social Media.

We are grateful to Google Research for sponsoring the workshop. We used part of the sponsorship to award a prize to the best presentation (be it poster or short talk). This is a conscious decision to reward people for putting effort into communicating their ideas. At the time of writing this preface we have not made the award. But by the time you are reading this, it may well be you!

Organizers:

Ben Hachey, Capital Markets CRC and Macquarie University Miles Osborne, University of Edinburgh

Program Committee:

Beatrice Alex, University of Edinburgh Regina Barzilay, Massachusetts Institute of Technology James Curran, University of Sydney Murray Z. Frank, University of Minnesota Michael Gamon, Microsoft Research Nikesh Garera, Kosmix Keith Hall, Google John Henderson, MITRE Bill Hu, Arkansas State University Ben Hutchinson, Google Rebecca Hwa, University of Pittsburgh Mirella Lapata, University of Edinburgh Victor Lavrenko, University of Edinburgh Jochen Leidner, Thomson Reuters Adam Lopez, University of Edinburgh Craig Macaulay, Ernst & Young Rob Malouf, San Diego State University Yuval Marom, Pacific Brands Rada Mihalcea, University of North Texas Maria Milosavljevic, Macquarie University Gabriel Murray, University of British Columbia Deepak Ravichandran, Google Calum Robertson, Sirca Anoop Sarkar, Simon Fraser University Robert P. Schumaker, Iona College Noah Smith, Carnegie Mellon University Tae Yano, Carnegie Mellon University

Invited Speakers:

Jochen Leidner, Thomson Reuters Noah Smith, Carnegie Mellon University Casey Whitelaw, Google

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Detecting controversies in Twitter: a first study	
Marco Pennacchiotti and Ana-Maria Popescu .	

Workshop Program

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	Session 1: Applications in Social Media
9:00	Invited Talk: <i>Text-Driven Forecasting</i> Noah Smith, Carnegie Mellon University
9:45	The "Nays" Have It: Exploring Effects of Sentiment in Collaborative Knowledge Sharing Ablimit Aji and Eugene Agichtein
9:51	An Analysis of Verbs in Financial News Articles and their Impact on Stock Price Robert Schumaker
9:57	Detecting Word Misuse in Chinese Wei Liu
10:03	An Information-Retrieval Approach to Language Modeling: Applications to Social Data Juan Huerta
10:09	Towards Automatic Question Answering over Social Media by Learning Question Equivalence Patterns Tianyong Hao, Wenyin Liu and Eugene Agichtein
10:15	Posters
10:30	Posters & Coffee

Sunday, June 6, 2010 (continued)

Session 2: Forums and Networks

11:00	Invited Talk: Google Wave as a Computational Linguistic Platform Casey Whitelaw, Google
11:45	<i>Modeling Message Roles and Influence in Q&A Forums</i> Jeonhyung Kang and Jihie Kim
11:51	<i>Towards Modeling Social and Content Dynamics in Discussion Forums</i> Jihie Kim and Aram Galstyan
11:57	Intelligent Linux Information Access by Data Mining: the ILIAD Project Timothy Baldwin, David Martinez, Richard Penman, Su Nam Kim, Marco Lui, Li Wang and Andrew MacKinlay
12:03	<i>Mining User Experiences from Online Forums: An Exploration</i> Valentin Jijkoun, Wouter Weerkamp, Maarten de Rijke, Paul Ackermans and Gijs Gelei- jnse
12:09	Social Links from Latent Topics in Microblogs Kriti Puniyani, Jacob Eisenstein, Shay B. Cohen and Eric Xing
12:15	Posters
12:30	Lunch Break
	Session 3: (Micro)-Blogs and Information Tracking
13:30	Invited Talk: <i>The Interaction between News and Social Media</i> Jochen Leidner, Thomson Reuters
14:15	Automatic Detection of Tags for Political Blogs Khairun-nisa Hassanali and Vasileios Hatzivassiloglou
14:21	<i>Twitter in Mass Emergency: What NLP Can Contribute</i> William J. Corvey, Sarah Vieweg, Travis Rood and Martha Palmer
14:27	<i>The Edinburgh Twitter Corpus</i> Saša Petrović, Miles Osborne and Victor Lavrenko

Sunday, June 6, 2010 (continued)

14:33	<i>Labelling and Spatio-Temporal Grounding of News Events</i> Bea Alex and Claire Grover
14:39	<i>Tracking Information Flow between Primary and Secondary News Sources</i> Will Radford, Ben Hachey, James Curran and Maria Milosavljevic
14:45	Detecting controversies in Twitter: a first study Marco Pennacchiotti and Ana-Maria Popescu
14:51	Posters
15:00	Posters & Coffee
16:00	Finish