



RAMSS Workshop Chairs' Welcome

It is our great pleasure to welcome you to the *2013 WWW Workshop on Real-Time Analysis and Mining of Social Streams – RAMSS'13*. As a follow-up to last year's workshop in Dublin in conjunction with ICWSM, RAMSS'13 is the second edition of a workshop focused on making sense and acquiring insight from social media streams in real-time, i.e., as information is entered into these systems.

RAMSS'13 is motivated by the emergence of social networking services such as Twitter, Google+, and Facebook, which has led to new ways of sharing information with interested communities. In recent years, there has been an increasing trend in the use of social media services, not only by end-users but also by all kinds of groups, organizations, and governments. Such participants today generate real-time updates at a massive scale, thereby participating in building very large sets of data composed of not only personal updates but also information that could be valuable in a number of contexts. For example, the ability to get real-time information from others has enabled users to follow events live, to discover breaking news, to find out about trending topics, and to help in case of natural disasters, among others. This presents new challenging issues for the research community: For example, new methods and techniques are required to make sense of torrential social streams, and to make the most from the emerging data available in these streams. In this context, RAMSS'13 is the ideal venue for researchers and practitioners interested in real-time analysis and mining of social streams. The workshop is intended as a place for experts that will engage in the discussion and knowledge transfer on the state-of-the-art of the research around these challenges.

The program of the workshop will include two keynote speakers, as well as presentations from authors of peer-reviewed research papers. The keynote speakers include (1) Ramesh R. Sarukkai, who will present YouTube's system that leverages real-time user activity/signals for dynamic ad loads and improved user experience, and (2) Gianmarco De Francisci, who will present SAMOA, a platform by Yahoo! for mining big data streams. In addition, paper presentations will cover a variety of topics in the wide scope of real-time analysis and mining of social streams: (i) Díaz Avilés et al. will present the online collaborative filtering algorithms they have implemented recently, and will discuss potential research directions in the field, (ii) Zhang et al. will describe a novel approach for real-time event detection from microblogs based on bursty sentiments, (iii) Milajevs and Bourna will present an approach to maximize recall on retrieval of tweets related to an event, by expanding query terms beyond predefined hashtags, (iv) Steiner et al. will describe Wikipedia Live Monitor, an application that monitors article edits on different language versions of Wikipedia, as they happen in real-time, (v) Troncy et al. will present MediaFinder, a framework that leverages visual features from media items for near-deduplication, and textual features from status updates to enrich, cluster and generate storyboards, and (vi) Dhekar and Toshniwal will introduce a clustering-based approach for sub-event detection in the context of natural hazards, by making use of social features. We hope that these proceedings will serve as a valuable reference for researchers and practitioners working on real-time mining of social streams.

We would like to thank the authors for providing the content of the program, and contributing to the discussion of the workshop. We are grateful to the program committee, who worked very hard in reviewing papers and providing feedback for authors. Finally, we thank the sponsor that makes

RAMSS'13 possible: the LiMoSINe Project, which is funded by the European Community's FP7 Programme under grant agreement nr. 288024, <http://www.limosine-project.eu/>

We hope that you will find this program interesting and thought provoking, and that RAMSS'13 will provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world.

RAMSS'13 General Chairs

Arkaitz Zubiaga

City University of New York, USA

Maarten de Rijke

University of Amsterdam, The Netherlands

Damiano Spina

UNED, Spain

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Graz University of Technology, Austria