SocialNLP 2014

**The Second Workshop on
Natural Language Processing for Social Media
in conjunction with COLING-2014**

**Proceedings of the Workshop**

August 24, 2014
Dublin, Ireland

# Introduction

Welcome to the COLING 2014 Second Workshop on Natural Language Processing for Social Media (SocialNLP). SocialNLP is a new inter-disciplinary area of natural language processing (NLP) and social computing. We consider three plausible directions of SocialNLP: (1) addressing issues in social computing using NLP techniques; (2) solving NLP problems using information from social networks or social media; and (3) handling new problems related to both social computing and natural language processing.

Through this workshop, we anticipate to provide a platform for research outcome presentation and head-to-head discussion in the area of SocialNLP, with the hope to combine the insight and experience of prominent researchers from both NLP and social computing domains to contribute to the area of SocialNLP jointly. Also, selected and expanded versions of papers presented at SocialNLP will be published in two follow-on Special Issues of Springer Cognitive Computation (CogComp) and the International Journal of Computational Linguistics and Chinese Language Processing (IJCLCLP).

The submissions to this year's workshop were again of high quality and we had a competitive selection process. We received 18 submissions, and due to a rigorous review process, we only accepted 6 of them. Thus the acceptance rate was 33%. We also have 2 invited papers. The workshop papers cover a broad range of SocialNLP-related topics, such as aspect extraction, multi-lingual sentiment analysis, sentiment feature selection, online rating prediction, sentiment sequence recognition, automatic identification, verbal behavior and persuasiveness analysis, and user classification. We had a total of 18 reviewers. We warmly thank our PC members for the timely reviews and constructive comments.

We are delighted to have Prof. Paolo Rosso, from Universitat Politecnica de Valencia, as our keynote speaker.

We especially thank the Workshop Committee Chairs Dr. Jennifer Foster, Prof. Dan Gildea, and Prof. Tim Baldwin, and Local Co-Chair Dr. John Judge.

We hope you enjoy the workshop!

SocialNLP organizers
Shou-de Lin, Lun-Wei Ku, Erik Cambria, and Tsung-Ting Kuo
August 24, 2014
Dublin, Ireland

**Organizers:**

Shou-de Lin, National Taiwan University
Lun-Wei Ku, Academia Sinica
Erik Cambria, Nanyang Technological University
Tsung-Ting Kuo, National Taiwan University

**Program Committee:**

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Hsin-Hsi Chen, National Taiwan University
Amitava Das, Samsung Research India
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Yungfang Wu, Peking University
Yunqing Xia, Tsinghua University
Ruifeng Xu, Harbin Institute of Technology Shenzhen Graduate School

**Invited Speaker:**

Paolo Rosso, Universitat Politecnica de Valencia (Spain)

**Invited Papers:**

Carlos Argueta and Yi-Shin Chen, "Multi-Lingual Sentiment Analysis of Social Data Based on Emotion-Bearing Patterns"
Soujanya Poria, Erik Cambria, Lun-Wei Ku, Chen Gui and Alexander Gelbukh, "A Rule-Based Approach to Aspect Extraction from Product Reviews"

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# Workshop Program

**2014/08/24**

09:30        Opening

**Keynote Speech**

09:35        *SocialIrony*
Paolo Rosso

10:30        Coffee Break

**Regular Presentation 1**

11:00        *Feature Selection for Highly Skewed Sentiment Analysis Tasks*
Can Liu, Sandra Kübler and Ning Yu

11:30        *"My Curiosity was Satisfied, but not in a Good Way": Predicting User Ratings for Online Recipes*
Can Liu, Chun Guo, Daniel Dakota, Sridhar Rajagopalan, Wen Li, Sandra Kübler and Ning Yu

12:00        *Automatic Identification of Arabic Language Varieties and Dialects in Social Media*
Fatiha Sadat, Farzindar Kazemi and Atefeh Farzindar

12:30        Lunch

**Invited Presentation**

14:00        *A Rule-Based Approach to Aspect Extraction from Product Reviews*
Soujanya Poria, Erik Cambria, Lun-Wei Ku, Chen Gui and Alexander Gelbukh

14:30        *Multi-Lingual Sentiment Analysis of Social Data Based on Emotion-Bearing Patterns*
Carlos Argueta and Yi-Shin Chen

15:00        Coffee Break

**Regular Presentation 2**

15:30     *Recognition of Sentiment Sequences in Online Discussions*
Victoria Bobicev, Marina Sokolova and Michael Oakes

16:00     *Verbal Behaviors and Persuasiveness in Online Multimedia Content*
M. Chatterjee, S. Park, H.S. Shim, K. Sagae and L.-P. Morency

16:30     *Content+Context for Twitter User Classification*
William Campbell, Elisabeth Baseman and Kara Greenfield

17:00     Closing