2nd International Workshop on Rumours and Deception in Social Media: Preface

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ABSTRACT
This preface introduces the proceedings of the 2nd International Workshop on Rumours and Deception in Social Media (RDSM’18), co-located with CIKM 2018 in Turin, Italy.

KEYWORDS
social media, rumours, misinformation, deception

1 INTRODUCTION
Social media is an excellent resource for mining all kinds of information, varying from opinions to actual facts. However, not all information in social media posts is reliable [12] and thus their truth value can often be questionable. One such category of information types is rumours where the veracity level is not known at the time of posting. Some rumours are true, but many of them are false, and the deliberate fabrication and propagation of false rumours can be a powerful tool for the manipulation of public opinion. It is therefore very important to be able to detect and provide verification of false rumours before they spread widely and influence public opinion. In this workshop the aim is to bring together researchers and practitioners interested in social media mining and analysis to deal with the emerging issues of rumour veracity assessment and their use in the manipulation of public opinion.

The 2nd edition of the RDSM workshop took place in Turin, Italy in October 2018, co-located with CIKM 2018. It was organised with the aim of focusing particularly on online information disorder and its interplay with public opinion formation. Information disorder has been categorised into three types [8]: (1) misinformation, an honest mistake in information sharing, (2) disinformation, deliberate spreading of inaccurate information, and (3) malinformation, accurate information that is intended to harm others, such as leaks. The spread of this information can play an important role in shaping public opinion, as well as the formation of public opinion can feed back into the production and sharing of information disorder.

The challenges posed by online information disorder and its ability to shape public opinion is becoming increasingly apparent as more is discovered about its role in recent political events such as the Brexit referendum in 2016 and the USA presidential election in 2017. However, the impact of so-called “fake news” and how people can make sense of events in a “post-truth” world has yet to be understood.

2 ACCEPTED PAPERS
The workshop received 17 submissions from multiple countries, of which 10 (58.9%) were ultimately accepted for inclusion in these proceedings and presentation at the workshop:

- Kefato et al. [4] propose a fully network-agnostic approach called CaTS that models the early spread of posts (i.e., cascades) as time series and predicts their virality.
- Caled and Silva [2] describe ongoing work on the creation of a multilingual rumour dataset on football transfer news, FTR-18.
- Yao and Hauptmann [10] analyse the power of the crowd for checking the veracity of rumours, which they formulate as a reviewer selection problem. Their work aims to find reliable reviewers for a particular rumour.
- Yang and Yu [9] propose a reinforcement learning framework that aims to incorporate interpersonal deception theories to fight against social engineering attacks.
- Conforti et al. [3] propose a simple architecture for stance detection based on conditional encoding, carefully designed to model the internal structure of a news article and its relations with a claim.
- Roitero et al. [6] report on collecting truthfulness values (i) by means of crowdsourcing and (ii) using fine-grained scales. They collect truthfulness values using a bounded and discrete scale with 100 levels as well as a magnitude estimation scale, which is unbounded, continuous and has infinite amount of levels.
- Skorniakov et al. [7] describe an approach to the detection of social bots using a stacking based ensemble, which exploits text and graph features.
- Caetano et al. [1] investigate the public perception of WhatsApp through the lens of media. They analyse two large...
datasets of news and show the kind of content that is being associated with WhatsApp in different regions of the world and over time.

- Pamungkas et al. [5] describe an approach to stance classification, which leverages conversation-based and affective-based features, covering different facets of affect.
- Yao and Hauptmann [11] analyse a publicly available dataset of Russian trolls. They analyse tweeting patterns over time, revealing that these accounts differ from traditional bots and raise new challenges for bot detection methods.

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**REFERENCES**


