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Natural Language Processing and Event Extraction for Big Data

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Message from the Guest Editors

The amount of textual data shared on the Web is overwhelming, and specific techniques are required to manage it and gather knowledge. Event Extraction (EE) is a sub-task of Information Retrieval (IR) whose scope is to extract events automatically from the text, understand what is happening around the world and identify information about where and when it happened and who was involved.

EE has received considerable attention and has seen great progress in recent years. Several approaches have been developed distinguishing two types of EE: Sentence-level Event Extraction and Document-level Event Extraction. Hence, Natural Language Processing (NLP) techniques play a key role in this challenge allowing the extraction of structured information from freeform text. The scope of this Special Issue is to collect recent advances in NLP in the field of EE, focusing on techniques that are able to process text published on the Web, e.g., social media and online newspapers, and identify event descriptions (participants, location, and time). We look forward to your submissions.