

# 專 題 演 講

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演講題目：Event duration detection on microblogs

演講摘要：

With the popularity of microblogging services (e.g., Twitter and Plurk), more and more people share what happens in their surroundings by using location-aware (GPS) devices. They act as a group of social sensors to report what important events happen. Previous work on event detection on microblogging data is concerned about whether an important event happened not such as earthquake. In this talk, we introduce a new topic about detecting the duration of an event such as rain. Different from earthquake, rain is a relatively minor event and may continue for a period of time. Our method automatically collects tweets from Twitter and filters out the tweets unrelated to rain with a supervised learning method. Based on aging theory, a novel model is proposed to simulate the life cycle of an event. We carefully investigate how the factors of time, locations and users affect our model, and further study the possibility of predicting weather conditions in the near future based on the proposed model.