

Supervisors

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Presentation of the project

Twitter users in Singapore seem to commonly share observations that may be useful for the monitoring of environment, health and hygiene issues in the country. For example, the following Tweet, accompanied with a photograph, reports a cleanliness problem in one of Singapore food court: “Dedrick Koh @DedrickKoh 23 Jul Actually, the ceiling at the Aljunied hawker center IS pretty dirty. [with photograph]”. This other Tweet reports a possible threat to the environment: “Venice Phoon @VenicePhoon The smell here at the west side of Singapore is horrendous!! Due to the wind direction blowing the smell of fertilizers used by nearby farms. 5:24 AM - 2 Dec 13”. Moreover, numerous Tweets and posting on other social media such as Facebook, Flickr and Instagram may have contained information allowing a rapid and continuous assessment of the haze situation in July 2013 or the flash floods in October and November 2013.

Expected deliverables

In the first part of the project we aim to develop a prototype system for the discovery and fusion of information from social media for the early detection and monitoring of environment, health and hygiene issues and problems. In the second part of the project we study the proactive sensing and monitoring by means of crowd sourcing. We aim to design and develop a mobile application that allows users to post and tag environment, health and hygiene information to dedicated social media streams.

Keywords

Health & Social Media, Twitter

Applicant profile

- Master Degree or Engineer Student (last year of studies).
- Skills in programming, C++, Java
- Availability for 5 to 6 months starting in the first semester of 2015.

Gratification: About 800€ net per month



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