

PhD Student Positions Available

Hazardous Event Detection and Situation Awareness for Social Resilience by Automated Analytics of Social Media and Other Online Sources

PhD student positions (under full scholarship) are available at the Institute of Catastrophe Risk Management (ICRM), Nanyang Technological University, Singapore, for a project to study the distributed cognition for social resilience enabled by data science. Specifically, the scope of the project covers the following three areas:

- (1) Automated detection of hazardous events from signals in social media and online news.
- (2) Automated extraction of “hard” facts (such as location, date, time, casualty etc.) and “soft” facts (such as public reaction and sentiment) of hazardous events.
- (3) Modelling and forecasting of hazardous event development

This project is part of Phase 2 of the Future Resilient Systems research programme (<https://frs.ethz.ch/>), a collaboration between Nanyang Technological University, National University of Singapore, Singapore Management University and ETH Zurich. Students will have opportunities to interact and work with fellow researchers from these institutions housed under the Singapore-ETH Centre in Singapore.

The candidate should have a good class degree in electrical and electronic engineering or computer science. Experience in machine learning, natural language processing, and dynamic system modelling is advantageous. Additional requirements for admission to this PhD programme can be found at the following link:

<http://gc.ntu.edu.sg/Programmes/IGP/Pages/Admission-Requirements.aspx>

Interested candidates should email their CV detailing academic qualifications, language proficiencies and relevant skills/experiences to Associate Professor Mao Kezhi (ekzmao@ntu.edu.sg).