

An Event Ontology for Crisis-Disaster Information

Andrea Wei-Ching HUANG ¹, Tyng-Ruey CHUANG ²

Institute of Information Science, Academia Sinica

andreaHG@iis.sinica.edu.tw ¹, trc@iis.sinica.edu.tw ²

Information management in the event of a crisis/disaster is a challenging problem as often the information is incomplete or inaccurate, while the public and the government both need to access to critical information in order to plan for crisis prevention and disaster relief. In addition, as communication networks and their bandwidth can be rather limited or overloaded in such events, it can be very difficult in aggregating, summarizing, and disseminating the relevant information in timely and useful ways. An ontology for the representation, processing, and integration of event information would be very useful in the application domain of crisis prevention and disaster relief. We have surveyed several event ontologies, and will propose some guidelines for the design of an event ontology for crisis-disaster information management.