

Department of Geography
Geographical Information Science Research Seminar

Social Media, Big Data and Web-based GIS

Dr. Su Yeon Han

Postdoctoral Researcher

at Center for Geospatial Sciences, University of Riverside
(former postdoc at Center for Human Dynamics in the Mobile Age
at San Diego State University)

Monday January 15th, 2018

10:30 a.m. – 12:00 p.m.

Burnside Hall, Room 426

Abstract:

The dynamic characteristics and prevalence of social media and Big Data have provided a great research opportunity to study dynamic human behaviors. In this talk, she will present a Web-based GIS application called SMART Dashboard 2.0 (Social Media Analytic and Research Testbed) to monitor people's responses in terms of various topics such as emergency responses, health and political related issues by using social media data (Twitter). She will also discuss her findings of social media analytics in terms of the spatiotemporal patterns of human mobility during hurricane evacuation and a controversial debate over the death of geography (distance) in the information age. Lastly, she will demonstrate several Web-based GIS applications that she developed for the last couple of years such as a dynamic heatmap tool, a San Diego County cancer mapping tool, a CyberGIS environment for spatiotemporal analysis, geo-targeted event observation (GEO) viewer and a mobile application helping disseminate emergency information during disasters.

