

## 2013-14 SPEAKER SERIES EVENT

### *Web GIS: Technologies, Applications, and Directions*

**Tuesday, January 28, 2014**

12 noon – 1:30 pm (To be preceded by light lunch)

Hall of Letters Room 100, University of Redlands Main Campus

Register for this event by January 23, 2014 by contacting Vanessa Siliezar at 909-748-8769 or [vanessa\\_siliezar@redlands.edu](mailto:vanessa_siliezar@redlands.edu)

**ABSTRACT:** The web has unlocked the power of GIS, and delivered GIS to the homes of millions and hands of billions. Web GIS has revealed its immense value and applicability to e-government, e-business, e-science, and daily life. This presentation aims to provide a systematic overview of the technologies and applications of this rapid changing field. On the technology side, this presentation will review the technical evolutions and predict the trends in Web GIS server and client side capabilities, cloud GIS, mobile GIS, online spatial analytics, web 3D and big data. On the application side, this presentation will use several projects, including Environmental Public Health Tracking, ePlanning, Environmental Justice Screening tool, and Geodesign, to showcase the applications of Web GIS in public information services, citizen engagement, and operational decision support.

#### Speaker's bio

**Pinde Fu** is a project lead and senior GIS application developer at Esri. His specialties include Web GIS technologies and applications in various industries. Several projects he designed and implemented have won special achievement awards at ESRI International User Conferences, as well as the Excellence.gov award from the American Council for Technology.

Pinde has been active on both the commercial side and the academic side of GIS. He teaches Web GIS courses at several universities, including the University of Redlands MS GIS program and Harvard University Extension. The Web GIS course he taught at Henan University (China) was awarded a National Model Bilingual Course by the Chinese Ministry of Education. He is the lead author of the book *Web GIS: Principles and Applications*. Now he is writing a new book on Web GIS, entitled *Web GIS Tutorial*.

Pinde has a PhD in GIS from the University of Kansas, and MS in GIS from the Chinese Academy of Sciences. He chairs the Board of Directors of CPGIS (International Association of Chinese Professionals in GIS), and he is a past president of CPGIS.