



**Geospatial LA**



## Horizontal Across the Verticals - Enterprise Geospatial Technology Applied to the Emergency Management, Cultural Resources & Environmental Domains

<http://www.ricsamericas.org/event-calendar/horizontal-across-the-verticals/>

Please join the RICS Southern California Chapter, Geospatial LA, RAND, the Getty Conservation Institute, and HIFLD members for a collaborative event focusing on the synergies (and cost savings in these lean times) of geospatial technologies used in:

1. Homeland Security & Emergency Management
2. Cultural Resources and Facilities
3. Environmental Considerations

**Date:**

Friday, October 22, 2010

**Time:**

1:00 pm to 4:00 pm

**Location:**

RAND Corporation  
1700 Main Street  
Santa Monica, CA 90401

Please **RSVP** with our host, **Mr. Adrian Overton** – [overton@rand.org](mailto:overton@rand.org) / 310.393.0411 ext. 7138 – and note that there is **no cost** for this event.

**Agenda:**

**Introductions by RICS, RAND, and Geospatial LA**

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**Dissemination of Research Products in the Application Marketplace: A proposal for turning knowledge into discoverable tools**

**Daniella Meeker - Associate Information Scientist. RAND Corporation**

Bio - Daniella Meeker received her PhD in Computation and Neural Systems from California Institute of Technology in 2005. She completed a fellowship in Health Economics at RAND in 2009 and joined RAND's staff as an Associate Information Scientist. Her current research includes health economics, machine learning, and social network analysis.

Project Overview - The results of research of the type conducted at RAND are typically disseminated through print media. However, many valuable research products can be developed as services and packaged as "apps" to enhance decision support, analytic methods, and data visualization. I will highlight some examples from GIS and other domains that are active areas of research at RAND. Finally, for discussion I will bring up some of the challenges of translational research and propose some protocols and practices to address some of these challenges.

Online resources – <http://www.rand.org/health/centers/bing/fellows.html>

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**Middle Eastern Geodatabase for Antiquities (MEGA)**

**David Myers - Project Specialist, Field Projects Department. Getty Conservation Institute**

Project Overview - The development and implementation of a bilingual Arabic-English, Web-based national geographic

information system (GIS) for Jordan's Department of Antiquities (DoA) is the central focus of the Middle Eastern Geodatabase for Antiquities (MEGA)—Jordan project. The GIS will serve as the primary tool for the DoA in its ongoing work to inventory, monitor, and manage Jordan's vast number of archaeological sites. In the process, it will greatly facilitate the work of DoA leadership and other staff, as well as Jordanian and international scholars, and, ultimately will play an important role in preserving Jordan's archaeological treasures. The MEGA—Jordan project was launched as a collaboration of the Getty Conservation Institute (GCI) and the World Monuments Fund (WMF) with the DoA for the development and implementation of a GIS to inventory and manage Jordan's numerous archaeological sites.

Online Resources - [http://www.getty.edu/conservation/field\\_projects/jordan/index.html](http://www.getty.edu/conservation/field_projects/jordan/index.html) & [http://www.getty.edu/conservation/publications/pdf\\_publications/](http://www.getty.edu/conservation/publications/pdf_publications/)

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## **Building a Sustainable Enterprise GIS at the Port of Los Angeles**

**Daniel Elroi – President. NorthSouth GIS LLC**

Bio – A GIS consultant with 20 years of solid in GIS implementation and software development, Daniel has been consulting in GIS in the US since 1990. Daniel studied Geography, Cartography, and GIS at UCLA in the early days of commercial GIS, and began his career with one of the first ESRI sites, the City of Los Angeles. He then spent eight years honing his skills as a consultant and software developer in mining, local government, nuclear waste disposal, real estate, pipelines, and engineering, before setting his own course in business in 1998. Since then he has worked with over 100 clients, developing custom software applications and integrating GIS into various clients' business processes.

Project Overview – The Port of Los Angeles - the largest container port in the US - hired NorthSouth GIS to develop an enterprise-wide GIS. The resulting server infrastructure, geodatabase design and content, and software applications are very solid and based on best-practices. However, it is the way in which the "soft" side of the implementation - people, group dynamics, training, user buy-in, and management participation - that make this implementation stand out and will ultimately determine the project's long-term success and its sustainability. The presentation will focus on the means taken to accomplish the "soft" side of this successful implementation.

Online Resources - <http://www.northsouthgis.com/> & [http://proceedings.esri.com/library/userconf/cahinvrug10/papers/user-presentations/nsg\\_overview\\_cahinv\\_rug\\_01302010.pdf](http://proceedings.esri.com/library/userconf/cahinvrug10/papers/user-presentations/nsg_overview_cahinv_rug_01302010.pdf)

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## **Participatory Sensing and Named Data Networking**

**Jeff Burke - Director, Technology Research Initiatives. UCLA School of Theater, Film and Television & Area Lead, Participatory Sensing. NSF Center for Embedded Networked Sensing (CENS)**

Bio - Jeff Burke is Director of Technology Research Initiatives for the UCLA School of Theater, Film and Television (TFT), Adjunct Assistant Professor, and Executive Director of REMAP, a joint research program of TFT and the Henry Samueli School of Engineering and Applied Science. REMAP's core projects investigate the interrelationships among community, culture, and technology and how embedded and mobile computing can support community development and cultural expression. He also helped to form what is now the Participatory Sensing area at the National Science Foundation Center for Embedded Networked Sensing (CENS).

Project Overview - This talk will briefly introduce Participatory Sensing and Named Data Networking, and discuss their intersection and relevance to the geospatial community. Participatory Sensing seeks to enable everyone to use their mobile phones, along with cloud-based computing resources, to safely collect, analyze and share data about things they care about most. Named Data Networking (NDN), also known as Content Centric Networking, replaces the so-called "thin waist" of the internet, the IP protocol, with a name-based protocol that enables communication to be routed based on content names rather than host addresses. It also provides intrinsic content caching and per-packet data signatures. NDN is the subject of a recent National Science Foundation "Future Internet Architecture" award to a group led by UCLA and PARC, in which Participatory Sensing is a driver application for the NDN architecture.

Online Resources - <http://research.cens.ucla.edu/>

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## **Closing Remarks and Acknowledgements**