CalGIS is definitely the place to learn about the Best in California GIS. A comprehensive educational program (for beginners and advanced professionals), networking events and an exhibit hall are all featured at the conference. In 2014, the conference is celebrating its 20th milestone year!

Every year, the URISA Chapters in California and the California Geographic Information Association, come together to present the CalGIS Conference.

Southern California Chapter of URISA
Northern California Chapter of URISA
Central California Chapter of URISA
BAAMA - Bay Area Automated Mapping Association
California Geographic Information Association
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On behalf of the conference committee, I welcome you to the 20th annual CalGIS Conference. We appreciate your participation and thank you for attending. This conference is a great opportunity to interact with your peers, to share your thoughts, and to learn. We have tried to prepare an outstanding program for you this year and we hope that you find the time here a rewarding experience.

This has been a team effort by our CalGIS Committee, the California URISA Chapters, CGIA, and many volunteers and sponsors; they have put so much passion and dedication into making our conference a success. Truly, this conference could not happen without the efforts of many wonderful people. I would like to thank our volunteers and our conference managers.

For 20 years, CalGIS has been a place where the GIS users in California could come together and build a sense of community. Our field has undergone monumental change over the past two decades, but through that time, the value of coming together, reinforcing our knowledge, building friendships, and expanding the possibilities of our field has only grown. I encourage you to reach out this year and build connections with new people, attend a session that is outside your particular area of expertise, and share your unique knowledge with your fellow conference goers.

We are thrilled to have four phenomenal featured speakers this year. We open our conference with Mike Migurski from Code for America followed by Dylan Lorimer from Google. We expect that they will challenge us and set a great tone for the conference. That being said, the closing session is something you just don’t want to miss. Our closing speakers are Eric Gundersen from Mapbox and Jack Dangermond from Esri. I strongly encourage you to see all of these great speakers and thank them for their willingness to be with us and share their knowledge and wisdom.

In this, our 20th year, the conference committee is marking the milestone with a few special events designed to help bring our attendees together and build a foundation for the future.

- Monday is our workshop day and as always we have interesting technical sessions, but this year we are also pleased to welcome the Monterey Bay Area Marine GIS User group who will put on a Marine GIS workshop. One of the strengths of the conference has always been the opportunity to invite a strong local participation as the conference moves around the state.
- Monday evening we have a kick off dinner. This is a time for us to join together, make new friends and reconnect with others.
- Tuesday is our “symposium” day where we will all be together for the whole day. This is a bit different for us, but on the occasion of the 20th anniversary, it is worthwhile to take a day and look at the things that we have in common, which bring us together, and which affect us all.

Please take the time to visit and thank our sponsors for helping to support the CalGIS conference. Some of our sponsors have been with us for years, and I think that we should note that our gold sponsor Esri has been with us since the beginning.

With that… I hope that you jump in and enjoy the conference. Celebrate the growth of GIS over the past 20 years, celebrate the opportunities for the future, and celebrate the great people with whom you work and grow each day.

Jeff Orton, Chair
CalGIS 2014
Featured Speakers at CalGIS 2014:

CalGIS is very pleased to welcome our featured keynote speakers who are participating in the conference on Tuesday and Wednesday, April 15-16.

**Mike Migurski – Code for America**: Michal spent nine years as a partner and technology director at celebrated San Francisco design studio Stamen where he architected the technical aspects of Stamen’s work, moving comfortably from active participation in Stamen’s design process, designing database schemas and API’s, to creating the dynamic applications that Stamen delivers to clients. At Code For America, he is responsible for engineering standards and technical sustainability. Michal has been building for the web since 1995, specializing in data design and publishing for a diverse range of clients and numerous public, technical research projects and active open source codebases. Opening Keynote Address – Tuesday 8:00 – 9:30 AM

**Dylan Lorimer – Google**: Dylan is a product manager at Google where he oversees product development for Enterprise Earth and Maps. Dylan sits at the confluence of the consumer cartographer and the enterprise mapping user. He is responsible for ensuring that Google’s enterprise versions of its popular mapping applications continue evolving to meet the particular business needs of the enterprise. Earlier in his career at Google Dylan managed Google’s global aerial and satellite imagery acquisition strategy, helped lead Google’s efforts to partner with governments worldwide in order to publish their authoritative geospatial data to Google’s products and services, and was on the Earth Enterprise engineering team. Prior to joining Google, Dylan worked as a software developer and consultant. Keynote Address – Tuesday 10:00 – 11:00 AM

**Eric Gundersen – MapBox**: As CEO of MapBox, Eric coordinates product and business development. Eric is passionate about open data and building open source data visualization tools focused on speed and design. Prior to MapBox, Eric co-founded Development Seed. Eric is a recognized expert on open data and open source software and has been featured in publications including the New York Times, Nightline, NPR, and others. He is frequently invited to speak on topics including open data, data visualization, and open source business models and has presented at conferences such as SXSW, Web 2.0, Where 2.0, GOSCON, and Nodelam. Closing Keynote Session – Wednesday 2:30 – 4:00 PM

**Jack Dangermond – Esri**: Founder and President of Esri, Jack Dangermond almost needs no introduction. He is an iconic figure in the GIS world and his efforts to increase the reach and use of GIS have influenced the industry in profound ways. Mr. Dangermond was last with us at our 10th anniversary conference and we are excited to have him join us this year. Closing Keynote Session – Wednesday 2:30 – 4:00 PM

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**CalGIS Registration**

Embassy Suites Monterey Bay, Seaside - Ballroom Foyer

**Monday, April 14, 2014**

- **Esri Story Map Competition, 9:00 AM–4:30 PM**
  - **Room: Laguna Grande A**
  - Story maps combine intelligent web maps with configurable web applications and templates that incorporate text, multimedia, and interactive functions. Story maps inform, educate, entertain, and inspire people about a wide variety of topics. See examples of what other organizations have created: http://storymaps.esri.com/partnerstories/

  The day will begin with an overview of story maps and then demonstrate the various templates and options available to you. We will cover the basics about the use and design of story maps, and then set you loose to create your very own. Story maps and concepts will be judged and winners will receive prizes. This is a competition with prizes, and the event was filled months ago. We are all really excited to see what is created!

- **Open Source Workshop**
  - **9:00 AM–4:00 PM**
  - You have probably heard about open source geospatial tools. Here is the chance to experience them under the direction of experts. Bring your laptop and dive into some of the most powerful, widely used and innovative tools in this area.

- **Marine GIS Workshop, 9:00 AM–4:00 PM**
  - **Room: Laguna Grande C**
  - This workshop is hosted by the Monterey Bay Marine GIS User Group and will have presenters from the local area and across the state. Think of this as a conference within the conference and a great chance to get together with some of the best and brightest in the Marine GIS world.

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**Program**

**CalGIS Registration**

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- **9:00 AM–12:00 Noon**
  - In the morning you will be introduced to PostGIS, Geoserver, Open Layers and QGIS by staff from Boundless (boundlessgeo.com) and to Open Street Map, TileMill, and Mapbox by staff from Mapbox (Mapbox.com).

- **1:00–4:00 PM**
  - Then in the afternoon, the workshop will split into two groups where you will be able to pick your interest area and do a deeper dive.

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The Monterey Bay Marine GIS User Group supports GIS training, capacity building and increased awareness of marine spatial data sets among the broader GIS science community in Monterey Bay. Started in January 2012, the group aims to foster collaboration among academic, private, state and federal agencies and nongovernmental organizations in the Monterey Bay marine GIS science community.

Organizational Meetings
Room: Laguna Grande B
California County GIS Users’ Meeting, 10:00 AM – 12:00 Noon
CGIA Board Meeting, 1:30 PM–3:15PM
California State Government GIS User Group Meeting, 3:30–5:00PM

CalGIS Awards Dinner and Social Event, 6:00–10:00 PM
To celebrate the milestone 20th conference, CalGIS is hosting an awards dinner at the Cannery Row Brewing Company located at 95 Prescott Ave in Monterey. Participation is included for full registrants, as long as you checked the Monday Night Social Event box on your registration form for a ticket of entry.

Event Sponsored by Mapbox: Mapbox makes it easy for anyone to design and publish custom maps. Want to know more? Have beers with us at the party we’re hosting at CalGIS on Monday night at Cannery Row Brewing Company, and look for one of our demos at the conference. Eric Gundersen from Mapbox will speak on #CustomEverything - making maps custom - custom maps meets custom geocoding meets custom routing - on April 16th at 2:30pm. He’ll share why the future of geo is small pieces loosely joined, and where Mapbox sees the larger mapping space going in the next two years. https://www.mapbox.com/blog/.

TUESDAY, APRIL 15, 2014

Everything takes place in the Laguna Grande Ballroom today. Half of the room will consist of the general session and the other half will feature our CalGIS exhibitors.

Conference Opening Session & Keynote Address
8:00–9:30AM
Jeff Orton, 2014 CalGIS Conference Chair, will welcome attendees to Monterey and the 20th Annual California GIS Conference. Hear about the highlights ahead.

We’ll also take a brief moment to remember one of the titans of this field, Roger Tomlinson, 1933-2014.

Keynote Address – Mike Migurski, Code for America
GIS: Leaders From Within
Mike Migurski, of Code for America, will deliver the opening keynote address discussing Code for America’s work with hundreds of local city, county, and state governments. They have found that GIS departments and data are the unsung heroes of civic hacking and open data. Location data is first out of the gate with government data releases, and beautiful maps and visualizations are the poster children of accessible public data. What are the technologies that got us here, and what future skills and methods will help support the central role that GIS data plays in the civic tech ecosystem?

Michal spent nine years as a partner and technology director at celebrated San Francisco design studio Stamen where he architected the technical aspects of Stamen’s work, moving comfortably from active participation in Stamen’s design process, designing database schemas and API’s, to creating the dynamic applications that Stamen delivers to clients. At Code For America, he is responsible for engineering standards and technical sustainability. Michal has been building for the web since 1995, specializing in data design and publishing for a diverse range of clients and numerous public, technical research projects and active open source codebases.
Coffee Break in Exhibit Hall: 9:30–10:00AM
Exhibit Hall Hours: 9:30 AM–6:00 PM

Featured Speaker – Dylan Lorimer, Google
10:00–11:00 AM
The Changing Nature of Geo
Our second featured speaker this morning is Dylan Lorimer from Google. Dylan will share insights on the changing nature of GIS and the move to more non-GIS people mapping their organization’s data.

Dylan is a product manager at Google where he oversees product development for Enterprise Earth and Maps. Dylan sits at the confluence of the consumer cartographer and the enterprise mapping user. He is responsible for ensuring that Google’s enterprise versions of its popular mapping applications continue evolving to meet the particular business needs of the enterprise. Earlier in his career at Google Dylan managed Google’s global aerial and satellite imagery acquisition strategy, helped lead Google’s efforts to partner with governments worldwide in order to publish their authoritative geospatial data to Google’s products and services, and was on the Earth Enterprise engineering team. Prior to joining Google, Dylan worked as a software developer and consultant.

Panel Discussion – The Future of GIS/Geospatial in California: Technology, Collaboration, Innovation
11:00 AM–12:00 Noon
Just before a hosted lunch, a powerhouse panel discussion will focus on “The Future of GIS/Geospatial in California: Technology, Collaboration, Innovation”.

Moderator: Christina Boggs
Panelists will include:
- Scott Gregory – State of California GIO
- Alex Barth – Mapbox
- Dylan Lorimer – Google
- Jeff Johnson - Boundless
- Chris Thomas - Esri
- Mark Greninger – County of Los Angeles GIO

Hosted Conference Lunch
12:00–1:00 PM
A change of scenery. The lunch will take place in the hotel atrium and party deck. Enjoy great conversation with your fellow attendees and then take some time to check out the products and services being offered by CalGIS exhibitors!

Break in Exhibit Hall
1:00–1:30PM

Townhall – Geospatial Education, Career Development and Mentoring Exhibitor Moments and Student Awards
1:30–3:00 PM
The afternoon line-up will begin with a town hall meeting on “Geospatial Education, Career Development and Mentoring, where the conference will discuss some critical issues facing the development of the human element critical to GIS success with a goal of generating actionable tasks that can be used to support human resources across the state.

Moderator: Steve Steinberg

Break in Exhibit Hall
3:00–3:30 PM

Past and Future of CalGIS
3:30–4:00 PM
Come along for a brief look-back at the 20 year history of CalGIS conferences. Let’s celebrate this milestone accomplishment together!

Moderator: Jeff Orton

Lightning Talks
4:00–5:00 PM
Short, sweet and to the point . . . Lightning Talks combine education and entertainment!
Some of the presentations will include:
- Geocortex Web-based GIS
  Marshall Ballard, GISP, Transportation Planner, VTA, San Jose, CA
- A GIS Collaborative for California
  Karen Beardsley, PhD, GISP, Managing Director, Information Center for the Environment, UC Davis, Davis, CA
- Supreme Court Decision on Orange County Case
  Bruce Joffe, GISP, GIS Consultants, Piedmont, CA
- A GIS Tool to Estimate E. Coli Concentrations from On-Site Sewage Facilities (OSSFs) in Surface Water
  Afreen Virani, Master Student(M.S), Texas A&M University, Biological & Agricultural Engineering, College Station, TX
- Is LiDAR Data Overwhelming GIS Software Vendors
  Patrick Cunningham, GISP, President, Blue Marble Geographics, Hallowell, ME
- Mapping the Bikeways of Santa Clara, an Online and Mobile Bikeways Mapping Application
  David Jacobus, GISP, RBF/Baker International, Irvine, CA
- Spatial Analysis and Research Center (SpARC)
  Erin Mutch, UC Merced, Solstice Geospatial, LLC., Merced, CA
- Geospatial Data Analyst? What’s Your Next Role?
  Pascal Akl, Michael Baker Jr Inc, Clayton, CA

Exhibit Hall Networking Reception
sponsored by Valtus
5:00–6:00 PM
Casual discussion and light appetizers/snacks will give you some quality time with CalGIS sponsors. Find out what’s new in GIS technology and services!
**Poster Session**

Be sure to spend time during the conference refreshment breaks and the Networking Reception, reviewing the poster submissions.

- **Time-Series Analysis of Land Cover Change in El Salvador from 1975-2013**  
  John Urness, M.S., Graduate Student, and Aimee Teaby, M.S., Graduate Student, CSU Monterey Bay, Seaside, CA
- **Mapping Pre-War Nanjing – Using Story Maps to Help Share and Build Collections**  
  Andy Rutkowski, MLIS, Interdisciplinary GIS Library Fellow, University of Southern California, Los Angeles, CA
- **A New Tool for Exploring Uncertainty in Projections**  
  Chris Muhl, Student, Humboldt State University, Arcata, CA
- **Habitat Suitability Modeling of Non-native Invasive Plants in Sequoia and Kings Canyon National Parks**  
  Erin Degenstein, Student, Humboldt State University, Eureka, CA
- **Food Security in San Francisco**  
  L Vau, San Francisco, CA
- **9-1-1 Response Times and Socioeconomic Status in the City of Los Angeles**  
  Randy Wolter, Graduate Research Assistant, California State University – Northridge, Northridge, CA
- **Community Cartography for Rural California**  
  Marilyn Montgomery, Connor Morison, and Erin Degenstein, Humboldt State University, Eureka, CA
- **Hydraulic Modeling of Sacramento River System**  
  Raj Subedi – P.E., CFM, Water Resources, Wood Rodgers, Inc, Sacramento, CA
- **Flood Protection Features from Cache Creek in the City of Woodland**  
  Raj Subedi – P.E., CFM, Water Resources, Wood Rodgers, Inc, Sacramento, CA
- **The Pedestrian Evacuation Analyst for Tsunami Hazards**  
  Jeanne Jones, Western Geographic Science Center, U.S. Geological Survey, Menlo Park, CA
- **A GIS Tool to Estimate E. Coli Concentrations from On-Site Sewage Facilities (OSSFs) in Surface Water**  
  Areen Virani, Master Student(M.S), Texas A&M University, Biological & Agricultural Engineering, College Station, TX
- **The Built Environment and Public Health: Using Visualization Techniques and analyses to Better Inform Decision Maker and Impacted Communities**  
  Javier Aguilar MUP, GISP, Southern California Association of Governments, Los Angeles, CA
- **GIS for Interdisciplinary Spatial Research Methods**  
  Dr. Sheila Lakshmi Steinberg, Professor, Social Sciences, Brandman University, Irvine, CA
- **Mapping the Bikeways of Santa Clara, an Online and Mobile Bikeways Mapping Application**  
  David Jacobus, GISP, RBF/Baker International, Irvine, CA

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**Beach Party Networking Activity**

7:00–10:00PM

Sponsors of the Tuesday evening event, NV5 and Interwest, invite you to the Monterey Beach Party Company, located at 285 Figueroa St. in Monterey near the wharf.

From 7:00–10:00, join the sponsors and fellow attendees to enjoy an evening on the beach with a bonfire and classic S’mores. Beverages will be available for purchase. So, whether you are on your way to explore Monterey or just want to hang out by the fire for a casual evening, we hope you’ll join us for fun on the beach.

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**CalGIS Bike Tour**

6:45–7:45 AM

RBF/Baker International is sponsoring another early morning bike ride for conference attendees along the beautiful Monterey Bay beach bike path. Signups will be at the RBF booth in the exhibit hall. You can also bring your own bicycle if you prefer. We will meet at 6:30 am for bike assignments and head out on our excursion at 6:45 returning to the hotel by 7:30. The signups are on a first come basis and we have 25 bicycles. Our tour guide is Rex Boyes, GIS Manager from the City of Watsonville.
Breakout Sessions • 8:00 –10:00 AM

No need to pre-register for breakout sessions; you may go to whichever session you wish to attend based on your interests. Feel free to move between sessions to take advantage of more than one topic.

When You Need Dimes To Do the Work of Dollars
Room: Laguna Grande A

Struggling with not enough resources is a common problem. These talks focus on innovative applications of GIS. This session is for you if you’re looking for low-cost, fast, efficient, sustainable recommendations to implement.

Moderator: Jane A. Schafer-Kramer

- Redefining Geospatial Data Versioning: The GeoGit Approach
  Jeff Johnson, CTO, Boundless, New York, NY
- GIS, Web Mapping, UPlan Modeling and a Sustainable Communities Strategy
  April Kaiser, GISP, GIS Analyst, RBF/Baker International, Irvine, CA
  Gina Schmidt, GIS Coordinator, Association of Monterey Bay Area Governments, Marina, CA
- Fast and Beautiful Maps for Web and Mobile with Mapbox
  Alex Barth, Open Data Expert, Mapbox
- Low-Cost GIS for Today GIS Professionals
  Patrick Cunningham, GISP, President, Blue Marble Geographics, Hallowell, ME
- Choosing for Efficiency
  Bond Harper, GISP, Analyst, Arup, Los Angeles, CA

Doing GIS Without Getting All Wet
Room: Laguna Grande B

Salty or fresh, navigable or non-navigable, mountains or valleys, crowd-sourced or methodically executed by scientists, this session focuses on all things water. Learn about the planning and implementation of widespread water data sharing.

Moderator: Kirt Emery

- Adapting to Rising Tides (ART) in the San Francisco Bay
  Javier delCastillo, GIS Specialist, San Francisco Bay Conservation & Development Commission, San Francisco, CA
- California Coastal Geoportal: Sharing High Priority Coastal and Marine GIS Data
  Chris Besenty, Staff Information Systems Analyst, California Ocean Protection Council, Sacramento, CA
- The National Hydrography Dataset for California
  Drew Decker, Geospatial Liaison, US Geological Survey, San Diego, CA
- NOAA Digital Coast and the California Coast
  Tim Doherty, Coastal Specialist, NOAA, Oakland, CA

When People Move In
Room: Laguna Grande C

Humans leave footprints. This session shows different views of how human impacts and the impact on humans can be measured, from vegetation mapping to managing species, even an archeological impact evaluation! Rounding out the session, we’ll see how swift emergency response mapping helped prove quick, coordinated response.

Moderator: Ann Johnson

- Fine-scale Vegetation Mapping of the Central Valley of California
  Jason Schwenkler, Director, CSU, Chico Geographical Information Center, Chico, CA
- Spiny Lobster Use of the Intertidal Zone at the Santa Catalina Island MPA
  Sean Windell, MS, Graduate Student, California State University Monterey Bay, Marina, CA
- Web-GIS Eases Redevelopment of Candlestick Park in San Francisco
  Steve Bein, P.E. GISP, Vice President GIS, RBF/Baker International, Irvine, CA
- GIS Illuminates Site Formation Processes: Archaeology of the Fortín de la Perla
  Kris Reinicke, Archaeologist/ GIS Certification Student, Palomar College, Oceanside, CA
- Mapping Sandy for Swift Emergency Response Efforts
  Sam Moffat, Project Director, Woolpert, Knoxville, TN

Gold Sponsor Session
Room: Seaside Ballroom

A longtime sponsor of CalGIS, Esri brings us a look at their newest tools and innovative technologies. Don’t miss a chance to see what they have for us this year.

This session will highlight the new features of the Esri ArcGIS Platform, ranging from desktop, Web, and cloud to mobile solutions, including tips and tricks for making your daily work more efficient and productive. It will also showcase new tools for sharing data and information products inside of your organization as well as to the general public.

Break in Exhibit Hall
10:00–10:30 AM

Exhibit Hall Hours
10:00 AM–2:30 PM

Breakout Sessions • 10:30 AM–12:00 Noon

Working Together Better
Room: Laguna Grande A

This session highlights the incoming workforce and the skills they need, as well as what it takes to grow and coordinate professional growth.
Data, Data, Data!
Room: Laguna Grande B
Nationwide, regional, statewide… this session talks about bringing data together and a little bit of mashing it up. Two presentations in this session focus on nationwide mapping efforts and how you can access the nationwide data. The other two show, on a slightly smaller scale, what you can do with disparate or non-contiguous data and passion.

Moderator: Lisa Lubeley

- Past, Present and Future of FEMA’s Digital Flood Hazard Data
  Mike Skowronek, GISP, CFM, AICP, Senior Project Manager, Michael Baker Jr., Inc., Oakland, CA

- Fuzzy GIS-based, multi-criteria Evaluation for the Placement of Bioenergy Crops
  Sarah Lewis, PhD, Principal, EnvisionGeo LLC, Oakville, CA

- USGS National Geospatial Program: Updates on 3DEP, VGI, and other Initiatives
  Carol Ostergren, BS, MS Geology, Geographer, US Geological Survey, Sacramento, CA
  Drew Decker, Geographer, US Geological Survey, San Diego, CA

- GIS Tools Used to Build the Biggest Statewide Parks Inventory in the U.S.
  Larry Orman, Executive Director, GreenInfo Network, San Francisco, CA

When Models Work Well
Room: Laguna Grande C
If you’re into modeling, this session is calling you. Four presentations about modeling! Maybe you love setting up all of your inputs, piecing together the middle bits and coming back to your dreams in a file? Maybe you want to see how some others have done data magic? Maybe you would like to go from amateur to professional modeler and you need some tips? This session is for you.

Moderator: Amy Storey

- H&H Modeling Using GIS to Solve Fluid Problems
  Kyle Morgan, GIS Developer, and Sheng Tan, GISP, GIS Manager, Wood Rodgers, Inc, Sacramento, CA

- LiDAR Application - Automated Breakline Delineation from LiDAR Data
  Chieko Plotts, GIS Analyst, HDR Engineering, Folsom, CA

- Developing a Water Quality Index for Southern California Reef Habitats
  Steven Steinberg, Ph.D., GISP, Southern California Coastal Water Research Project (SCCWRP), Costa Mesa, CA

- Predictive GIS Modeling of Wave Force and its Distribution Across a Rocky Shore
  Daniel Orr, Graduate Researcher, California State University Monterey Bay, Seaside, CA

Let’s Talk Tools
Room: Seaside
“If all you have is a hammer, everything looks like a nail,” is attributed to Abraham Maslow. If you’re looking to expand your toolbox, this session is for you. This session will introduce different tools to help you feel more comfortable using a wrench.

Moderator: Christine Crown

- Changing in the Open: How Governments Can Choose the Software that Best Fits The
  Alyssa Wright, VP Civic Programs, Boundless, New York, NY

- From Field Data to Analysis and Action with Hosted Technology
  Prashant Singh, CTO, LocalData, San Francisco, CA

- PostGIS: An Open Source GIS Data Platform for Anyone
  Nathaniel Roth, Programmer, Information Center for the Environment, DESP, UC Davis, Davis, CA

Using and Supporting the California Geodetic Control Network
Room: Hospitality Suite
GIS database themes are supposed to be linked to geodetic control so that all layers align. How does the geodetic control network work? How do GPS measurements register with California’s geodetic control network?

Moderator: Christina Boggs

- Using and Supporting the California Geodetic Control Network
  Bruce Joffe, GISP, Principal, GIS Consultants, Piedmont, CA
  Ryan Hunsicker, PLS, GISP, Supervising Land Surveyor, San Bernardino County Surveyor’s Office

12:00–1:00 PM
Lunch on your own. Grab a quick bite and then spend some more time getting answers in the Exhibit Hall.
Breakout Sessions • 1:00–2:00 PM

Which Tool Should I Use? Sharing Data Internally and Externally
Room: Laguna Grande A
Three viewers and an extension, this session highlights three local implementations of interesting tools that might be applicable to your organization to satisfy your data sharing needs.

Moderator: Sheila Steinberg

- Flex Viewer and Story Maps - Why We Use Both
  Linda Wright, GIS, GIS Analyst II, County of El Dorado, Placerville, CA
- Layer Loader Tool for ArcMap: An Effective Tool to Search and Load Spatial Datasets
  Christine Lam, Application Developer, Los Angeles County Internal Services Department, Downey, CA
- Customizing FOSS4G to Meet the Needs of the Enterprise: A QGIS Case Study
  Krischelle Love, GIS Specialist, San Jose Water Company, San Jose, CA

Helping People Help Themselves
Room: Laguna Grande B
This session highlights instances of helping people help themselves. If you’re looking for a system to encourage your data users to help themselves to data, this is the session for you!

Moderator: Ruthanne Harbison

- Pushing the Limits of ESRI Geoportal To Support the West Coast Data Network
  Todd Hallenbeck, West Coast Ocean Data Portal Program Coordinator, West Coast Governors Alliance, Alameda, CA
- The Current Status of the Census Bureau’s Geographic Support System Initiative
  Timothy McMonagle, Geographer, U.S. Census Bureau, Van Nuys, CA
- The California Digital Land Record Inventory: Current Status
  Nathaniel Roth, Programmer, and Karen Beardsley, Ph.D., Managing Director, Information Center for the Environment, DESP, UC Davis, Davis, CA

New Tricks and Tools
Room: Laguna Grande C
This session focuses on some out-of-the ordinary tools and tricks. Using statistical software for heavy lifting, a heavyweight document manager and a distortion visualization tool that packs a punch – you will not want this session to end!

Moderator: Steve Steinberg

- Using R for Climate Raster Data Extraction
  Michele Tobias, PhD, Geospatial Scientist, Geospatial Consulting & Information Center for the Environment, UC Davis, Davis, CA
- A Self-Contained Spatially Enabled Document Manager
  Keith Russell, BS Engineering & Info Systems Tech, Principal Database & GIS Developer, USA Imaging Inc, Poway, CA
- A New Tool for Simultaneous Visualization of Distortion in Projections
  Jim Graham, Dr., Assistant Professor, Humboldt State University, Arcata, CA

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Working Smarter, Not Harder
Room: Seaside Ballroom
This session shows how we can work smarter, not harder. Automating processes, integrating 3D GIS and integrating GIS in construction are three topics covered in this session about working smarter!

Moderator: Matt Goolsby
- Smart 3D Cities: Top 5 3D Use Cases for Local Governments Around the World
  Brooks Patrick, Solutions Engineer 3D Markets, Esri, Redlands, CA
- Using Google Earth in Construction Projects
  Drew Haney, Senior GIS Specialist, Burns and McDonnell Engineering, Inc, San Diego, CA
- Coastal Erosion Monitoring using GIS and High Definition Surveying (HDS)
  Joel Paulson, NV5, San Diego, CA

2:00–2:30 PM
Break & Raffle Drawings in Exhibit Hall
Last call to meet with the exhibitors! They close up shop at 2:30 today.

Closing Keynotes
2:30–4:00 PM
Room: Laguna Grande Ballroom ABC
We have two amazing speakers lined up to close our conference this year.

Closing Keynote – Jack Dangermond will speak to us about “GIS Technology Trends.”

Founder and President of Esri, Jack Dangermond almost needs no introduction. He is an iconic figure in the GIS world and his efforts to increase the reach and use of GIS have influenced the industry in profound ways. Mr. Dangermond was last with us at our 10th anniversary conference and we are excited to have him join us this year.

Jack Dangermond is recognized as a pioneer in spatial analysis methods and one of the founding fathers of GIS technology. He is also considered to be one of the most influential people in GIS.

In developing GIS technology and its applications, Mr. Dangermond combined an early interest in computers with studies in environmental science at California Polytechnic College, urban planning at the University of Minnesota and landscape architecture at Harvard University. In 1969, he and his wife founded Esri in his hometown of Redlands, California and ever since has been an outspoken proponent of GIS as one of man’s most promising decision-making tools for urban, regional, environmental, and global problems.

Esri has the largest GIS software install base in the world with more than one million users in more than 130,000 organizations representing business, government, Non-Government Organizations (NGOs), and academia. Mr. Dangermond fostered the growth of Esri from a small research group to an organization of 2,700 employees, known internationally for GIS software development, training and services.

But beyond his commercial success, Mr. Dangermond has been a leader and visionary in a way that has promoted the technology beyond that of his own company. For more than 30 years, Mr. Dangermond has delivered keynote addresses at numerous international conferences, published hundreds of papers on GIS and in such diverse fields as computer science, photogrammetry, planning, environmental science and cartography, and given thousands of presentations on GIS around the world. He is the recipient of a number of awards, honorary degrees and medals. He was inducted into the URISA GIS Hall of Fame in 2005.

As important as all that, his passion for GIS and for its application to solving problems, particularly for the causes of the environment and the less empowered in society, and his generosity concerning those issues, is well known throughout the industry.
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