

# **52nd URISA Annual Conference for GIS Professionals**

**(GIS-Pro 2014)**

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# URISA 53<sup>rd</sup> GIS-Pro Conference

## Conference Proceedings

### GIS for the People

*Michelle Thompson, PhD, University of New Orleans*

*Andrew Walter, the Jones Payne Group*

### Improving Coastal Resilience

*Jamie Carter, The Baldwin Group*

*Marian Hanisko, The Baldwin Group*

### Optimizing the Value of Navigating the Built Environment

Addresses are a System

Sara Yurman, GISP, Spatial Focus, Inc., Decatur, GA

Martha Wells, Spatial Focus, Inc., University Park, MD

GIS Needs to Become More Definitive As It Becomes the Framework for Subparcel Entities

Including Suites, Occupancies, Room and Apartments

Peirce Eichelberger, gDBMS, Inc., Collegeville, PA

Spatial Reference Systems for Unaddressable Features

Ed Wells, GISP, Washington Metropolitan Area Transit Authority, University Park, MD

### Community Health and GIS Initiatives

Community Commons: Mapping the Commons

Chris Barnett and Yan Barnett, Center for Applied Research and Environmental Systems (CARES), University of Missouri, Columbia, MO

Using GIS for Defining the Spatial Pattern of Diabetes Patients at Jeddah City

Abdulkader Murad, PhD, King Abdulaziz University, Jeddah, Saudi Arabia

New Hampshire Bike Week – Making it Safer for All

David Salzer and Patrick Santoso, UNH Technology Transfer Center, Durham, NH

### Effective National Geospatial Data Management

Kevin Mickey, Director, Geospatial Technologies Education, The Polis Center, Indiana University, Indianapolis, IN

### GIS Gumbo

Economics of Broadband: Mapping the Future of Broadband in VT

*Stephen Sharp, GISP, VT Center for Geographic Information, Waterbury, VT*

## Assessing Geocoding Solutions

*Carrie Muenks and Chris Lawrence, The MITRE Corporation, McLean, VA*

## An Overview of Oregon's Common Operating Picture Application: RAPTOR (Real-Time Assessment and Planning Tool for Oregon)

*Bob DenOuden, GISP, State of Oregon, Salem, OR*

## Sustainable Operations in Action

Implementing Sustainable Practices in Baton Rouge, Louisiana

*Warren Kron, GISP and Justin Priola, GISP, City of Baton Rouge and Parish of East Baton Rouge Planning Commission, Baton Rouge, LA*

## The Future of GIS: A Revolutionized Student Competition

*Sarah Finne, GISP, Connected Nation, Bowling Green, KY*

*Billy Moore, Clark County, Winchester, KY*

*Andrew Hayslip, Florida Fish and Wildlife Conservation Commission, St. Petersburg, FL*

## The State of GIS Certification

GIS Professional Certification: The GISP Exam and Evolving Standards

*Rebecca Somers, GISP, Somers-St.Claire GIS Management Consultants, Fairfax, VA*

GIS Certification: To certify or not to certify

*Tripp Corbin, GISP, CFM, MCP, CTT+, eGIS Associates, Inc., Dacula, GA*

The Future of GISCI

*Bill Hodge, GISP, GISCI Executive Director, Des Plaines, IL*

## Applying the Geospatial Technology Competency Model

Updating the Geospatial Technology Competency Model (GTCM)

*Rodney Jackson, GISP, National Geospatial Technology Center, Burlington, NC*

## Coastal Resiliency and Sustainability

GIS-based Financial Analysis for Coastal Flooding and Sea Level Rise

*Jasmine Bird, Blue Marble Geographics, Hallowell, ME*

System Engineering Analysis for the Hurricane Surge Defense System of the East Bank of the Greater New Orleans Area

*Ezra Boyd, PhD, DisasterMap.net, LLC, New Orleans, LA*

## Contributions of GIS to Community Success

Geographic Information Needs for Community Sustainability Initiatives

*Sungsoon Hwang, DePaul University, Chicago, IL*

Multi- Modal Regional Thoroughfare Analysis

*Annie McCabe, Mid-Ohio Regional Planning Commission, Columbus, OH*

Exemplary Systems in Government

The New Hampshire Mosaic Parcel Map

*David Salzer, GISP, and Patrick Santoso, UNH Technology Transfer Center, Durham, NH*

The NCHHSTP Atlas

*Kim Elmore, Centers for Disease Control & Prevention (CDC), Atlanta, GA*

Mapping Your Way into a GIS Career

**Panelists**

*Wendy Peloquin, GISP, GISi, Jacksonville, FL*

*Stephen M. Berry, GISP, Clark County GIS, Winchester, KY*

*Ashley Littell Hitt, GISP, Connected Nation, Bowling Green, KY*

*Kim H. McDonough, GISP, Tennessee Department of Transportation, Nashville, TN*

*Kevin J Mickey, GISP, The Polis Center, Indiana University Purdue University Indianapolis, Indianapolis, Indiana*

*Teresa Townsend, AICP, Planning Communities, Raleigh, NC*

Data, Data Everywhere... Bringing it all Together

Using AutoCAD data in ArcGIS

*Tripp Corbin, GISP, CFM, MCP, CTT+, eGIS Associates, Inc., Dacula, GA*

Interactive Geospatial Maps/Apps @ CDC

*Danielle Ayan, GISP, Booz Allen Hamilton, Atlanta, GA*

Managing and Exchanging Open and Crowd Sourced Data

Engaging with Models: Stakeholder Understanding and Action

*Judy Colby-George, GISP, Spatial Alternatives, Yarmouth, ME*

Information Architecture: A Foundation for Geospatial Data Sharing

*Joseph Grubbs, GISP, AICP, Binary Structures Corporation, Fort Myers, FL*

Where you Are & Where You Want to Be

URISA Leadership Academy - Take Your Career to the Next Level

*Kris Larson, GISP, CDM Smith, Helena, MT*

ROI of High Resolution Data

High Resolution Impervious Surface Data: Stories from the Field

*Ben Houston, P.E., GISP, PMP, GroundPoint Technologies, LLC, Woodstock, NY*

Demographic Data for the Community

Locating Distressed Areas in a Community: A Look at Forsyth County, NC

*Jason Clodfelter, CMS, GISP, MapForsyth (Forsyth County, NC), Winston-Salem, NC*

The Geospatial Challenges of Geocoding Registered Sex Offenders

*Mark Leipnik, Sam Houston State University, Department of Geography, Huntsville, TX\*

Racially and Socioeconomically Disparate Impacts of Relocating the Hamilton County, Ohio Board of Elections

*Mark Salling, GISP, Cleveland State University, Cleveland, OH*

### GIS Goes Hollywood

History of the GIS-World, Part I & II: A Look at the History of GIS on Film & TV

*Gene DelGreco, GISP, KE McCartney & Associates, Weirton, WV*

### Innovative Uses in the GIS Toolbox

Analyzing Water Quality and Geologic Data Using 3-D GIS Tools

*Cam Conrad, GISP, Stanley Consultants, Inc., Coralville, IA*

A practical approach to Cross Platform Mobile, Cloud and GIS Applications

*Joseph Doherty, PMP, OCP, GISP, Microdesk, Weymouth, MA*

Pioneering Work in Street-Level Mapping for Professional and Consumer Use

*Paul Smith, Cyclomedia, Walnut Creek, CA*

### Surveying and Geodetics in the GIS Profession

Everyday Geodetics

*Jasmine Bird, Blue Marble Geographics, Hallowell, ME*

Using and Supporting the California Geodetic Control Network

*Bruce Joffe, GISP, GIS Consultants, Piedmont, CA*

### Using GIS to Protect the Environment and Respond to It When It Gets Mad

School Safety Plans in a Virtual Environment

*Steven B. McKinney, PhD, SICS Consultants, LLC, Florence, AL*

*Lamar Davis, Auburn University at Montgomery*

Applying Land Cover Data and Tools to Enhance Coastal Community Resilience

*Jamie Carter, The Baldwin Group at NOAA Coastal Services Center, Yarmouth, ME*

Calgary Flood 2013: Supporting Sustainability and Resiliency with Spatial Technologies

*Robert Skoye, B.A.Sc., M.Sc., City of Calgary, Alberta, Canada*

### It's About the Data! GIS, Photogrammetry and Surveying – Understanding the Boundaries of Practice

#### **Panelists:**

*Brent Jones, PE, PLS, Esri, Vienna, VA*

*Peirce Eichelberger, gDBMS, Inc, Collegeville, PA*

*Bruce Joffe, GISP, GIS Consultants, Piedmont, CA*

*Ryan Bowe, GISP, Photo Science, Nicholasville, KY*

*Michael Zoltek, GISP, EagleView/Pictometry, Rochester, NY*

Responsible Land Use: Costs and Consequences

Correlation Between Field types, Location and Demographics and Potential Greenfields

*Darlette Meekins, GISP, VDOT –Instructor, Richmond, VA*

*Shobha Sriharan, VSU, Ettrick, VA*

Techniques and Politics of Regional Land Use Planning Modeling

*Lynn E. Dupont, ASLA, GISP, New Orleans Regional Planning Commission, New Orleans, LA*

Georgia Hazus Project – A Model for Success through Collaboration

*Kevin J. Mickey, GISP, The Polis Center, Indiana University Purdue University Indianapolis,*

*Indianapolis, IN*

GIS Drives Organizational Change

The True ROI of Accurate GIS Data for Public Safety

*Patrick Melancon, GIS Data Resources, Inc, Nashville, TN*

Local Government GIS Consortia

*Stephen Berry, GISP, Clark County GIS, Winchester, KY*

Exploiting GIS for the Non-GIS User Deploying a Web Map

*John Wright, GISP, Range Resources Corporation, Canonsburg, PA*

Vendor Solutions – Remote Sensing & Big Data

Big Data Made Useful in GIS

*Brent Jones, PE, PLS, Esri, Vienna, VA*

Converging Big Data with Geospatial Aps

*Doug Bennett, Thomson Reuters, Portage, MI*

Creating Configurable Applications Using the Entire ArcGIS Platform

*Matt Bryant, Bruce Harris & Associates Inc, Batavia, IL*

Vendor Solutions – Living Community Mapping and Basemap Best Practices

Esri Living Atlas of the World

*Seth Sarakaitis, Esri, Redlands, CA*

GDR's NG911 Site/Structure Point Placement Tool

*Patrick Melancon, and Sean Lehman, GIS Data Resources, Inc, San Rafael, CA*

Leveraging the 4th (NIR) Band of your Basemap Imagery Layer to Achieve Urban Sustainability Goals

*Chris Sapeta, CP, PMP, GISP, Sanborn, Cocoa Beach, FL*

### Vendor Solutions – LiDAR & 3D GIS

Optimizing Asset Management by Integrating 3D Point Clouds with GIS

*Robert Gammon, Hexagon Geospatial Division, London, ON, Canada*

3D Model Use Cases and Practical Applications

*Peter White, EagleView/ Pictometry, Minneapolis MN*

### Vendor Solutions – Smartphones, Filling the Gap where Internet Connectivity is Lacking

The Problem with Mobile GIS Data Collection

*Ragi Burhum, AmigoCloud, San Francisco, CA*

Can you hear/see me now?

*Alex Hepp, EagleView/Pictometry, Rochester, NY*

No Connectivity? No Problem! Maintaining Productivity for Mobile Workers

*Scott Stafford-Veale, Latitude Geographics, Victoria, BC, Canada*

### Luncheon Presentations

State of Play in American Communities

*Elizabeth Dow, KaBOOM!, Washington, DC*

FEMA Floodplains on the Web

*Susan Carlson and David Torraca, GISP, Loudon County, Leesburg, VA*

RECOVER: Rehabilitation Capacity Convergence of Ecosystem Recovery Project

*Keith T Weber, GISP, GIS Director, Idaho State University*

### IGNITE Presentations

Oh No! Another Master Plan

*Randal Krejcarek, PE, LEED AP, GISP, Robert Mickla, GISP*

Staying Strategically Spatial in the Organizational Whirlwind

*Matthew J. Gerike, PhD, City of Columbus, Missouri*

Ignite by D Merrick

Geospatial Public Policy Issues

*Bruce Joffe, GIS Consultants*

The Machine is Learning – But We're Still Smarter