URISA Board Election Results Announced

URISA is pleased to announce the results of its 2016 URISA Board of Directors’ election. Teresa Townsend will serve in the position of President-Elect and James Armstrong, Brent Jones and Robert Kirkman will serve as Directors. They will all begin their three-year terms at the conclusion of GIS-Pro 2016 in Toronto this November.

President-Elect: Teresa Townsend, AICP, Planning Communities, Raleigh, North Carolina
Teresa Townsend will serve as President-Elect for one year and her term as President will begin at the conclusion of the 2017 conference in Jacksonville, Florida. Teresa has previously served on the board (2011-2014) and is excited to rejoin the board in her new role. "I am very honored to have been elected to this position and excited to join my friends and colleagues on the Board and throughout the organization to continue to grow and strengthen URISA from the great organization that it already is! This is an exciting time for URISA and the GIS profession. I encourage you all to participate and share your voice and ideas!"

URISA Board of Directors:

James Armstrong, GISP, MGIST
Partner
Spatial Relationships LLC
Boston, Massachusetts

Brent Jones, PE, PLS
Global Manager, Land Records/Cadastre
Esri
Vienna, Virginia

Robert Kirkman, GISP
Enterprise Services Manager
Portland Metro
Portland, Oregon

continued on page 2
your ideas, challenges and opportunities to make URISA a stronger and better organization for our members and the community. Thank you very much for the opportunity and I look forward to hearing from you and seeing you soon!"

At the close of GIS-Pro 2016 in Toronto, the terms of service for these URISA Board members will conclude and we thank them all, in advance, for their amazing dedication and service to URISA:

**Immediate Past-President:**
Carl Anderson, GISP
Create I.O
Brandenton, Florida

**Secretary:**
Ashley Hitt, GISP
Connected Nation
Louisville, Kentucky

**Jochen Albrecht, GISP**
Hunter College
Department of Geography
New York, NY

**Amy Esnard, GISP**
Elevon Solutions
Hood River, Oregon

**Tripp Corbin, GISP** was elected by the membership as President-Elect last year and will begin his term as President of the association at the conclusion of the Toronto conference.
Alice and Bob are both supervisors at a medium size company. One day over lunch, they were comparing the pluses and minuses of some of their past bosses. During the discussion, they were reminded of Greg, probably the best leader they ever had.

While Greg was personable, focused and set high standards, they concluded Greg’s greatest quality was that he created a culture of trust.

Greg did not yell, threaten or lie to get his teams to meet short-term deadlines. He also did not, and would not sacrifice long-term success to meet short-term deadlines.

This was in stark contrast to Mack, who was Greg’s polar opposite. Mack would lie to his customers about the ability to meet accelerated schedules. In turn, he would peddle these same falsehoods to his team about a non-existent urgent customer need to meet the accelerated schedule. The kicker? After the team rallied to accomplish its goals on a sped-up timeline, Mack would proudly—and fraudulently—claim success for their results. He abused his team for his personal gain, and the team members would leave Mack’s team at the earliest opportunity.

Alice and Bob were both students of leadership and decided to compile a list of some of the things that Greg did, to create a checklist for themselves as emerging leaders.

Here are six things leaders do to create a culture of trust, and why they are important:

1. **Trusted leaders are dedicated to doing the right thing.** Trusted leaders have a keen sense of right and wrong. When circumstances arise that threaten to change their moral compass, these leaders stand their ground and hold firm to their morals. They resist the urge to do the wrong thing to avoid uncomfortable situations. They do the difficult right over the easy wrong.

2. **Trusted leaders keep their word.** Trusted leaders keep commitments. They do what they say they will do, and don’t make promises they can’t keep. Leaders dedicated to constructing a culture of trust are painstaking about meeting deadlines. They realize that if they don’t keep their word, there is no way that they can hold others accountable for theirs. “Do as I say, not as I do” does not breed trust.

3. **Trusted leaders explain the politics of the workplace.** Politics exist everywhere—including the workplace. Trusted leaders are aware of the politics and make sure their team is aware of them as well. There is often tension between the needs of the bigger organization and the needs of the team. Trusted leaders seek balanced solutions. When decisions flow down from higher authorities, that may not make sense to the team, they explain the politics and the big picture. When it is important, they push up the concerns of the team.

4. **Trusted leaders do not expect blind obedience.** Trusted leaders realize that trust is a two-way street. They empower their team members. They want team members to be comfortable speaking up when they don’t understand something. They insist that they speak up when they see a potential problem. Should someone make an error in judgment, it becomes a teaching moment, not an inquisition. This is the highest form of trust.

5. **Trusted leaders focus the credit on deserving team members.** When a team is successful, leaders are immediately recognized for the success of their teams. Trusted leaders shine the spotlight of success on deserving team members. They don’t hog the spotlight. They publicly recognize their team members so that others may know who they are. That improves their opportunities for advancement. They don’t use the peanut butter approach and credit everyone equally—even the undeserving. When they share the spotlight, it does not take away from the

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- Photogrammetry
- Point Clouds
- Property Information Systems
- Radio Navigation
- Remote Sensing
- Risk Management
- RTK (Real Time Kinematic) Surveying
- Satellite Imagery/Navigation
- Scanning Technology
- SDI - Spatial Data Infrastructures
- Smart Grids
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- Surveying Technology Sensor
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leader’s prestige. It greatly improves the relationship with the team.

6. **Trusted leaders accept the blame when the team fails.** Trusted leaders do not create scapegoats. They live by the old maxim, “the buck stops here.” When things don’t go well, they step up and accept the blame. Team members that report to these individuals know that they will not be thrown under the bus in the event that a project does not turn out the way it was intended. To the extent a team member’s behavior or judgment contributes to a lack of success, these leaders will **privately** correct them. They investigate and analyze to find the root cause of the problem, and then publicly address opportunities to improve, provide training if needed and/or introduce process improvements.

Alice and Bob became accountability partners in trust. Once a month they would meet for lunch and review the six cornerstones, and shared when they had the opportunity to practice and where they might have missed opportunities. Their leadership skills improved. They had higher levels of trust with their teams. Team morale improved and their teams became more successful.

**At the end of the day, we all want to trust our leaders and our teammates. Creating a culture of trust is one of the most important roles of a leader.**

**ABOUT THE AUTHOR:**
Walt Grassl is a speaker, author, and performer. He hosts the radio show, “Stand Up and Speak Up,” on the RockStar Worldwide network. Walt has performed standup comedy at the Hollywood Improv and the Flamingo in Las Vegas and is studying improv at the Groundlings School in Hollywood. For more information on bringing Walt Grassl to your next event, please visit [www.WaltGrassl.com](http://www.WaltGrassl.com).
Book Review

Getting to Know ArcGIS Pro
by Michael Law, Amy Collins
Paperback: 424 pages
Published: 2016
ISBN: 9781589484573
eISBN: 9781589484580

Getting to Know ArcGIS Pro, is part of ESRI Press’ Getting to Know series (GTK), which provided both new and existing GIS users the ability to learn and explore the basics of that specific software. ArcGIS Pro is the latest reinvention of ArcGIS mapping application, it is a fresh start to the foundation of ESRI products. ArcGIS Pro (Pro) takes full advantage of high-end computer hardware components to facilitate smooth mapping and 3D scene displays all in one GIS project. This book successfully introduces the new concepts of the software and additional features available by working through the book’s 10 chapters.

The authors build upon GIS concepts, which are neither too basic nor too intricate for any GIS user to conceptualize. The chapters provide a good overview to GIS software utilization, many of which have drastically changed from ArcGIS Desktop. The first chapter illustrates how ESRI envisions ArcGIS Pro to incorporate into the rest of the ESRI ArcGIS Platform. Chapter 1 concludes with an exercise exploring ArcGIS Online, which is becoming essential in most GIS workflows.

In Chapter 2, the reader gets their first experience with the new interface and functionality of ArcGIS Pro. It huddles right into various exercises relating to the ‘basic’ functions of GIS utilizing ArcGIS Pro’s new ribbon based menu. Some of the functionality seems perplexing at first, but by the end of Chapter 2 you will have experience with the available shortcuts menus, which facilitates Pro’s utility. As with most of the explanations of the new functionality is hidden within the instructions, although some specific features are called out in either TIPS or in call-out boxes. These provide the user a complete understanding or the tool, task or concept discussed.

The Chapters 3-9 continue with the exploration of how to complete ArcGIS Desktop functions in ArcGIS Pro interface. Topics include geoprocessing, spatial statistics, creating and editing dataset, creating workflows using modelbuilder and python scripting, geocoding, and surface modeling. Some specific features within these chapters contains information specific to ArcGIS Pro, such as the facilitation of Pro for collaborative mapping, and 3D visualizations.

Collaborative mapping is discussed in Chapter 6 of Getting to know ArcGIS Pro. It provides the workflow of organizing a successful mobile data collection project using Collector for ArcGIS. The exercises provide the reader an example of a field collection workflow from creating and design of the geodatabase, setting the datasets onto ArcGIS online for utilization and finally using a mobile data collector for potentially public utilization. It details the concepts and potential issues which might arise from this workflow, including the management of the content.

Chapter 8 contains exercises where the reader is analyzing spatial and temporal patterns, with kernel density, hot spot analysis, visualizing results in 3D and animating. The functionality explored within this chapter solidifies the increased capabilities and usability of the ArcGIS Pro software. The rendering and visualization capabilities were not only impressive, but the authors explanation of temporal mapping impact for visualization using space-time cubes.

At the concluding chapter, Chapter 10, the reader is yearning on how to present these visualizations into a map visualized on any medium such as a paper map or mobile device. It seems that this chapter might have served better earlier in the book, but it did provide a logical conclusion to Getting to Know ArcGIS Pro. The exercises covered a variety of basic functionalities, such as, applying queried symbology, labeling, and utilizing map layouts. Call-out discussion emphasizes within this chapter to the intent of the mapping product. The reader learns the formatting and ability to integrate project templates into ArcGIS Online for an Organization’s utilization of ‘standard mapping products’.

Getting to know ArcGIS Pro provides scenarios, and workflows that users might currently be completing in an a different GIS product, and explains the new environments functionality. Evaluating how ArcGIS Pro can and should incorporate with the ArcGIS Platforms is key for any GIS
manger whom is assessing ArcGIS Pro for inclusion into their organizations preverbal ‘bag of tricks’. The main features, which have solidified my positive outlook on Pro includes the capabilities of web maps with 3D web scenes, the full utilization of a computer’s hardware components (very little ‘Not Responding’ messages), and the ability to have multiple layouts of the same data features without multiple map documents (Change symbology once, and it is reflected in both maps). ESRI, with the advent of ArcGIS Pro software has provided GIS users greater ability and functionally to complete the most requested takes and the Getting to Know ArcGIS Pro facilitates the GIS users understanding of the functionality and spurs the interest to learn more advanced techniques.

Reviewer: Rachel R. Rodriguez is a GISP, and she had held various positions, including being the GIS Coordinator for the Yurok Tribe in Northern California for over 5 years. Rachel’s love for GIS began well before her first GIS course in 2005. She completed her undergraduate work at Humboldt State University, and in 2015 received her Master’s Degree in GIST from the University of Southern California (USC). Rachel focuses on business system optimization though the utilization of ESRI software products.

**Book Review**

*The World of Maps: Map Reading and Interpretation for the 21st Century.*

By Judith A. Tyner.


Map reading and map interpretation are essential life skills in our fast-paced, social media transfixed world dominated by the Internet of things. Some of us take to maps like ducks to water, while others have a bewildered expression that equates to negligible comprehension even after several minutes studying a map. And yet, maps are everywhere. It was high time someone prepared a brief, comprehensive volume to guide both introductory students of cartography and geography and the casual reader in the basic skills necessary both for map reading and interpretation.

Judith Tyner has prepared a highly functional text aimed at these audiences. While the organization of topics into chapters is fairly conventional, the manner in which each topic is introduced and explained, in straight-forward prose and illustrated with numerous maps, diagrams, tables and examples, reflects the author’s lengthy career as an academic geographer and cartographer.

The book consists of thirteen chapters, ten to twenty pages in length, organized into three sections: map reading basics, and map types and their analysis, and putting it all together. The introductory chapter sets the stage by emphasizing the importance of map reading. The next five chapters examine the elements of maps. Chapter 2 briefly reviews the history of mapmaking and cartography. Chapter 3 describes the components of maps, including map elements, types of maps, symbols and symbolization, and scale, illustrating each concept with examples. A wealth of detail is summarized in a mere 19 pages. While chapter 4 focuses on coordinate systems, the following chapter outlines the basic principles of map projection and describes the properties of the more commonly used types of projections, illustrated with examples. Chapter 6 provides a brief introduction to remote sensing, beginning with a brief history. Uses of remotely sensed data in spatial analysis and mapping are presented, with basic examples. These chapters comprise the first part of the book.

The second section focuses on map types and their analysis, beginning with virtual maps, followed by topographical maps, thematic maps, maps for navigation, and maps for special purposes. Not only does the text describe each type of map, but basic principles and methods used in their construction are provided, along with illustrative diagrams. Some more detailed information is provided as well, for example in interpretation of highway numbering systems in the United States. The chapter on maps for navigation also discusses the use of online internet maps and GPS apps in automobiles.

The final two chapters form a third section, ‘Putting It All Together’. Chapter 12 focuses on map interpretation, illustrated with reference to a series of full color plates bound into the text preceding this chapter. The volume concludes with some observations on the future of maps and map reading.

Most chapters have lists of books or articles for further reading and additional resources. Appendices include a lengthy glossary, a list of abbreviations, useful statistics, a list of resources, and descriptions of commonly used projections. A bibliography and index are also provided. Educators may also value the set of downloadable Powerpoint slides of many of the

**Book Reviewer Wanted**

Interested in reading and reviewing “Getting to Know Web GIS” by Pinde Fu?

We’ll send you our review copy (to read and keep) in return for a book review for publication in THE GIS PROFESSIONAL. (It’s also a great way to earn GISP Contributions points!)

Send an email to Wendy Nelson if interested in volunteering.
The World of Maps is an impressive accomplishment, covering all the basics for map reading and interpretation in a mere 236 pages. The writing style is informative, with sufficient technical details as needed but written in highly accessible prose. While the practicing cartographer or GIS specialist likely has access to more detailed resources on many of the topics covered here, this book will prove very useful for introductory courses in cartography or GIS, or for general interest readers.

On a personal note, I don’t expect to my copy to remain in my possession for long – it is sure to be borrowed by an interested student who forgets to return it. In fact one student tried to borrow it even before I completed this review!

Reviewer: Russell S. Kirby, PhD, MS, University of South Florida

Announcing two URISA Leadership Academies in 2017

The URISA Leadership Academy teaches the necessary skills to create effective teams, act with defined purpose, and align organizations on the path to success. Invest in your organization’s future. Send your rising stars to the URISA Leadership Academy!

Participants will learn:
- GIS leadership and management techniques
- Strategic planning
- Successful team development
- Organizational capacity building and sustainability strategies (ROI, innovative funding ideas)
- Program investment and justification
- Change management
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- Ethics and professional challenges
- Problem solving

Take advantage of the discounted Super-Early Rate. Save $400 if you register for either ULA by December 31, 2016:
URISA Member or GISP $1,000 / Nonmember $1,200

Participation is limited in each venue. Don’t delay. Visit www.urisa.org and register today!
URISA Announces 2016 GIS Hall of Fame Inductees

The Urban and Regional Information Systems Association is pleased to announce the induction of three individuals into its GIS Hall of Fame. URISA’s GIS Hall of Fame honors persons and organizations that have made significant and original contributions to the development and application of GIS concepts, tools, or resources, or to the GIS profession.

**Alex Miller,** President of Esri Canada; **Mark Monmonier,** Distinguished Professor of Geography at the Maxwell School at Syracuse University; and **Waldo Tobler,** Professor Emeritus at the University of California in Santa Barbara will be officially recognized during GIS-Pro 2016: URISA’s 54th Annual Conference in Toronto.

**URISA’s Hall of Fame laureates include:**
- **2005 Inductees:** Edgar Horwood, Ian McHarg, Roger Tomlinson, Jack Dangermond, Nancy Tosta, and the Harvard Lab
- **2006 Inductee:** Gary Hunter
- **2007 Inductees:** Don Cooke and Michael Goodchild
- **2009 Inductees:** Will Craig and Carl Reed
- **2010 Inductee:** C. Dana Tomlin
- **2011 Inductees:** William Huxhold and Barry Wellar
- **2012 Inductees:** National Aeronautics and Space Administration, Natural Resources Canada, Statistics Canada, United States Census Bureau and United States Geological Survey
- **2014 Inductee:** Charles Croner
- **2016 Inductees:** Alex Miller, Mark Monmonier and Waldo Tobler

Visit URISA’s GIS Hall of Fame to learn about the path-breaking accomplishments of all inductees.

**Did you know?**
The next testing window for the GISCI Geospatial Core Technical Knowledge Exam® as a part of the GISP Certification has been scheduled for December 3-10, 2017. Visit [www.gisci.org](http://www.gisci.org) for details!

**Have an emerging leader on your staff? Are you a young GIS professional?**
Applications for the 2017 URISA Vanguard Cabinet will be accepted until November 15. Click [here](#) for the application.
URISA and the International Association of Assessing Officers (IAAO) partner together to provide a conference that assists assessment and appraisal professionals in visualizing how they can work more effectively through the use of technology. This conference explores the important role that the integration of GIS and Computer Assisted Mass Appraisal (CAMA) systems plays in providing access to data and analysis of information for better decision making within a jurisdiction.

Take some time to review the Conference Program and plan your visit in March.

2017 GIS/CAMA Technologies Conference Heads to Chattanooga!
March 6-9, 2017

Chattanooga is a vibrant and thriving mid-sized river city, surrounded by outdoor adventure and the natural beauty of the mountains. Chattanooga is one of the most revitalized cities in the country with a growing arts, music, and dining scene complemented by iconic world-class attractions. The free electric shuttle serving the downtown area, as well as the fastest citywide internet speeds anywhere in the world are just some of the ways the “Scenic City” offers all the amenities of a major metropolitan city in a comfortable, convenient and beautiful location.

Chattanooga has amazingly accessibility. Chattanooga is centrally located in the Southeast at the intersections of I-75, I-24 and I-59. The river-city is within three hours of more than ten million people living in Atlanta, Nashville, Knoxville, Birmingham and Huntsville. Check out this map of driving distances to Chattanooga:
Why Attend?

- As an appraiser, this conference is a wonderful way to see the power of GIS and how it is being utilized. For those in GIS, exposure to how your users are leveraging your systems, and what they need, is a wonderful way to enhance your operation. This conference is the ideal place to be inspired by the work of others in our industry. - Scott Rountree, Augusta-Richmond County Board of Assessors
- Best and most valuable conference I attend every year. Technology is rapidly changing the way mass appraisal is administered and if you're not at this conference, you're not on the cutting edge of our industry. - Warren Dixon, Naperville Township (IL) Assessor
- The GIS/CAMA Conference has always provided a wonderful range of informative topics relevant to an ever-changing and emerging technology. Additionally, it’s the best platform to mix and mingle with the “old-timers” who can mentor newcomers and for the newbies to bring novel ideas to the discussion. - Tony Lindauer, Jefferson County (KY) Property Valuation
- Sometimes we get bogged down in the minutia of our work. The conference gives you a week to share struggles and solutions with other people and get inspired again about what we do. - Danielle Simpson, Boulder County (CO) Assessor’s Office
- CAMA/GIS is most beneficial to the technical staff in your jurisdiction. Ken Wilkinson, CFA, Lee (FL.) County Property Appraiser
- This conference has a high return on investment. Having an office representative attend the GIS/CAMA conference each year is essential if you want to stay up-to-date with the latest GIS and modeling implementations. What you learn from presentations, and perhaps most importantly, conversations with peers from around the globe, are more than worth the price of admission. (And who doesn’t want to learn how to use free, open-source software that improves assessment valuations and processes?) - Paul Bidanset, Real Estate Valuation Modeler (VA)
- The integration of GIS and CAMA is no longer an idea of the future, but instead a necessity for proper assessment practices today. The GIS/CAMA Technologies Conference gives their attendees many different possibilities to assist the way each individual office works. - Maureen Sterrenberg (IL)

Join the community in Chattanooga for important conversations and camaraderie! Make your plans today... **click here.**
As the year comes to an end and we plan our activities for next year, we want to invite and encourage all URISA members to get involved in URISA’s initiatives.

One of the major new initiatives this year has been the creation of the Professional Educational Materials Committee (PEMC). This committee brings together workshops, webinars, and publications in one place for better synergy in developing and sharing ideas. One of PEMC’s new projects is the development of videos and other multi-media resources that provide useful information and help for many aspects of GIS professionals’ jobs. PEMC is also exploring new ideas for other types of professional educational materials and is welcoming suggestions and volunteers.

Several of URISA’s ongoing groups are expanding and providing volunteer opportunities, including:

- GISCorps coordinates short term volunteer based GIS services to underprivileged communities and for humanitarian relief. GISCorps has conducted nearly 200 projects and deployed more than 1,000 volunteers and is continuing to expand its efforts and opportunities for volunteers.
- The GIS Management Institute (GMI) develops resources to help organizations assess and improve the capability and maturity of their GIS operations. It has recently expanded the GIS Capability Maturity Model (GISCMM) participation to several new organizations and continues to grow and seek new agency participation.
- The Professional Practices Committee (PPC) develops geospatial best practices guides. It is renewing its best practice development approach and is seeking volunteers to provide new topics and to author and assist with the development of best practice guides.
- The Policy Advisory Committee (PAC) develops and recommends policy positions that pertain to URISA and the GIS field. The PAC is interested in important policy issues that members think should be addressed.

At the conference all of the committees will be conducting meetings to plan next year’s activities and engage new volunteers. So please visit the committee(s) of your choice and get involved. If you can’t join us at the conference, contact the committees to find out about their volunteer opportunities. In any case, please complete your membership profile so the committees and leaders can find you and help you put your skills and knowledge to best use.

You can volunteer as much time and input as you like. You can be a reviewer, a creator, or group member. You can do a few hours of work, provide information sources, join ongoing committees and workgroups or participate in any way you like. There are opportunities to fit all interests and schedules.

Participating in URISA’s activities is a rewarding experience, providing opportunities help build resources for GIS professionals and to meet and work with your peers.

URISA is its members. We provide value and grow the GIS profession through everyone’s input and collaboration.
Welcome New URISA Members

Zachary Andersen, GISP—The Atlantic Group—Huntsville, AL
Renee Babb—GeoOrbis Inc—St James, Barbados
Shawn DeAdder—Edmonton, AB Canada
Samuel Dekolo—Lagos State Polytechnic Lagos—Ikorodu, Lagos, Lagos State Nigeria
Carmichael Ellis, GISP—Trinidad & Tobago Postal Corporation—Maraval, Diego Martin, Trinidad And Tobago
Meredith Farruk—Carlsbad, CA
Kenneth Gilbert—Athens, GA
Mark Goodall—Toronto, ON Canada
Gary Greenberg, GISP—Alaska Map Company LLC—Kenai, AK
Alex Hepp—CycloMedia Technology—Berkeley, CA
Govi Hines—Elko Mining Group—Sparks, NV
Brian Hoogerwerf—Dunwoody, GA
Timothy Johnson, GISP—State of North Carolina—Raleigh, NC
Angela Jones Fowler—STUART, FL
Larisa Kruger, GISP—Ohio State University—Columbus, OH
Mary Lackner, GISP—Pitkin County—Aspen, CO
Sonja Lednicky—Mississauga, ON Canada
Andrew Liptak—Long Beach, CA
Suzanne Marechal—Calgary, AB Canada
Shaun Martin, GISP—Burns & McDonnell Engineering—Lee’s Summit, MO
Sunshine McDonald, GISP—City of Cedar Rapids—Cedar Rapids, IA
Christopher McMiller—Augusta, GA
Kenny Miller—Michael Baker International—Annapolis, MD
Patrick Noonan, GISP—PJN Consulting Inc—Denver, CO
Jesse Parker—Stafford, VA
Samir Patti, GISP—City of Vaughan—Richmond Hill, ON Canada
Paul Pribor, GISP—Quantum Spatial—Ben Lomond, CA
Jeffrey Puuri, GISP—Leeward GIS, Inc.—Copper Hill, VA
Bheshem Ramlal—University of the West Indies—St Augustine, Tobago
David Rubino—Niceville, FL

Curtis Schwartz—Swift Current, SK Canada
Wade Sedgwick—Woodside, CA
Cassandra Smith—Enfield, CT
Samuel Song—Colorado Springs, CO
Toby Soto—City of Riverside—Riverside, CA
Melanie Tabb, GISP—Gwinnett County—Lawrenceville, GA
Matt Valenzuela—Oakley, CA
Toby Welborn—Portland, OR

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City of Laredo—Laredo, TX
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Steven Bell
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Andrew Campbell
Santosh Dumpala
Asish Gupta
Christy Kimbrough
Makenzie Neeley
Chetan Sankar
Matthew Tubbs
Announcing the Tenth National GIS in Transit Conference

September 6-8, 2017 • Washington, DC

Call for Abstracts – Submissions due February 1, 2017
Exhibitor & Sponsor Information - coming soon

The National Center for Transit Research, URISA and the Transportation Research Board are pleased to announce the 10th National GIS in Transit Conference, taking place September 6-8, 2017 in Washington, DC.

We grew out of the previous conference venue, expanding into the adjacent facility of the Hamilton Crowne Plaza. The 2017 conference will incorporate an expansive exhibition and more space in the meeting rooms.

Managing data to drive decision making has never been more important. As large data systems are capturing significant performance, operational and planning data in the transit industry. These data can improve decision making, service evaluation, customer satisfaction, operational efficiency and overall system performance. At the core of many of these data are spatial elements that describe the location of relevant transit data. Transit boardings, customer location, activity centers, assets and transit service. Geographic Information Systems (GIS) provides a unique platform for organizing, evaluating and communicating data; transforming data into information. This conference will bring experts from around the country on how GIS is being used every day to improve transit systems. The conference will provide a breadth of GIS experiences to showcase how agencies of all sizes and budgets are managing its GIS data and improving transit service and ultimately customer service.

Join us in Washington DC for this important conversation! http://www.urisa.org/transitgis

Schedule:
(Note that Labor Day is Sept 4)
Workshops will be presented on September 6
Conference sessions will occur on September 7 & 8
network of business partners and knowledgeable staff and extensive
to accurately analyze and manage their geographic information
They are supported by our experienced and knowledgeable staff and extensive
A full-service GIS company, Esri supports
the implementation of GIS technology on the desktop, servers, online services, and mobile devices. These GIS solutions are flexible, customizable, and easy to use. Esri software is used by hundreds of thousands of organizations who apply GIS to solve problems and make our world a better place to live. We pay close attention to our users to ensure they have the best tools possible to accomplish their missions. A comprehensive suite of training options offered worldwide helps our users fully leverage their GIS. Esri is a socially conscious business, actively supporting organizations involved in education, conservation, sustainable development, and humanitarian affairs.

Hexagon Geospatial

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Hexagon Geospatial helps you make sense of the dynamically changing world. Hexagon Geospatial provides geospatial technology products and platforms to our customers, channel partners, and Hexagon businesses.

Our solution revolutionizes the way asset and property assessment is managed and reported. It reduces field visits and provides accurate feature measurements with convenient spot-checking. It simplifies maintenance and enables automated inventory and controlled processes. It also saves valuable resources while simplifying the decision-making process, improving operations and increasing efficiency.

We provide ready-made solutions throughout Europe, North America, and Asia. Our technology is widely used in government GIS, public safety, and security markets, as well as in construction, infrastructure management, and insurance.

We provide a full range of services related to 3D mobile mapping. Data is captured and delivered worldwide.

Our primary market segments include:
• Property Taxation, Appraisal, and Building Inspection
• Transportation and Infrastructure Management
• Public Safety and Homeland Security
• Engineering and Construction Planning

Cyclorama offers the following licensed products:
Content
• Cycloramas — Seamless, accurate 360° panoramas taken at street-level with our patented recording technology.

Cyclomedia Technology, Inc.

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Phone: 800-790-3652
Email: usa@cyclomedia.com
www.cyclomedia.com
www.thedrivingdutchman.com
Cyclomedia is the market leader in systematical imaging of large-scale environments from cities to complete countries. Cyclomedia’s smart imagery solution creates Cycloramas — 360-degree panoramic photos — with high accuracy, providing current and clear views of street-level environments.

The Cyclomedia recording system is like no other. It uses patented technology to determine the exact position and orientation of every picture taken. By creating a dense network of geometric street images, Cycloramas are always focused on the correct address or feature from multiple vantage points.

For information about URISA Partnership, please visit:
http://www.urisa.org/about-us/become-a-urisa-partner/ or contact Wendy Nelson at URISA Headquarters.
help clients automate their worlds, reduce their workload and organize their data through customized technology.

DTS is comprised of seven divisions, each with its own scope of services. Often however, a single project spans several divisions before completion because we uniquely offer all the necessary cutting-edge services, integrated within one company.

**EagleView Technologies**

3700 Monte Villa Pkwy, Ste 200
Bothell, WA 98021
1-855-984-6590

EagleView Technologies offers Pictometry® Intelligent Images®. The high-resolution oblique and ortho images are captured and processed with patented resolution oblique and ortho images are captured and processed with patented. Pictometry solutions bring field work to the desktop. Solutions are easily integrated into existing workflows through strategic partnerships and make it easy for users to make informed decisions and enhance productivity. To find out more please visit www.eagleview.com

Every day, new applications for Pictometry are realized. Discover how Pictometry can help you work better, faster, smarter and with optimal cost savings.

**Bronze Corporate Partners**

**K2 Geospatial**

Since 1995, K2 Geospatial has been committed to bringing spatial information and analysis tools within everyone’s reach by developing software solutions that provide effective visual aids to decision-makers. K2 Geospatial’s solutions connect, consolidate, and publish data that is often managed and stored in silos throughout different systems. Employees and citizens can easily access the information and analyze it in real time to make informed decisions. Our solutions are used by municipalities, regional governments, ports, airports, road authorities, railways, public utilities, and natural resource companies.

K2’s solutions are powered by JMap, a map-based integration platform designed to connect silos and offer user-friendly interfaces destined to non-technical users. JMap is deployed and used by hundreds of organizations in North, South and Central America as well as in Europe.

**North West Group**

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Part of Hexagon, North West Group is comprised of North West Geomatics Ltd. (NWG) and Valtus Imagery Services. NWG is a leading aerial data acquisition company, dedicated to producing high-quality digital aerial imagery and related spatial data, while Valtus provides an easy and reliable storage, management and distribution solution for imagery data.

**VESTRA**

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As a leader in GIS/IT, Environmental Solutions, Engineering, and Surveying, VESTRA has the depth of know-how and experience to help clients achieve success. VESTRA, an employee-owned corporation dating back to 1988, prides itself on our local presence and commitment to the community. Our mission is to be our clients’ most-valued consultant by providing cost-effective, innovative, and technically superior project solutions. Whatever your current or future needs, VESTRA’s full-service resources are available to support you on your next critical project.

**Business Partners**

**eGIS Associates, Inc.**

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eGIS Associates, Inc. is focused on providing efficient and cost effective Geospatial Solutions that meet the growing needs of public and private sector enterprises. Our mission is to help you consume the “Power of Place” with current technology standards and Applied Spatial Intelligence. eGIS offers a wealth of professional products and services including: Enterprise GIS Implementation, Application Development, Business Systems Integration and Geospatial Training and Support. eGIS is committed to customer satisfaction – Relationships Matter. Whether you need advice on your project or are looking for a relevant product or just have a technical question, contact us today.

**GeoTechVision**

With offices in Kingston, Jamaica (876-970-5686) and Georgetown, Guyana (592-227-0433) www.geotechvision.com

GeoTechVision focuses on “Delivering Value through Innovative Solutions!” We have been assisting Caribbean Businesses, Agencies and Government Ministries to develop and effectively use spatial intelligence in critical decision making! We are very involved with establishing Geographic Information Systems, GPS and Mobility products and solutions, as well as marketing our own “Go!” brand tablet. We consider Human Capacity Building as very critical - right from the classroom to the work environment. Hence our Classroom Management Solution and our strong focus on Training and Development in all our engagements. Our other consulting services include Project Management, Information Security Advisory, Process Audit and Assurance, Business Analysis and Enterprise GIS solution planning and implementation.
MGP
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www.mgpinc.com

MGP is an information systems services company that specializes in geo-spatial solutions. Our comprehensive range of geographic, data modeling, and business process solutions provide you new opportunities to find a better way. We believe that innovation creates opportunity and collaboration breeds success. MGP was formed as a shared business model in which clients are partners. This philosophy enables significant cost savings and makes it possible for any client, regardless of size, to get where they need to go. MGP is the managing partner of the GIS Consortium.

Temporal Geo Analytics
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Temporal Geo Analytics, Inc. (TGA) is a Land Use and Environmental Litigation consulting firm. We have expertise in using Geographic Information Systems (GIS) to develop, manage, and distribute complex spatial databases, as well as creating the presentation-quality visualizations and graphics needed for natural resource litigation and land use projects.

TGA specializes in the analysis of multifaceted land use issues and environmental impacts over time. TGA is expert at acquiring and integrating historic and current spatial data to build the critical information you need to represent your case. Using GIS, we transform complex issues into defensible, authoritative, and easily understood maps and graphics. Our clientele consists primarily of natural resource and environmental attorneys, oil and gas companies, mining companies, and land developers.

Leveraging GIS for Environmental, Natural Resource, and Land Use Planning is our core expertise. Geographic Information Systems (GIS) integrate and overlay unlimited layers of themed spatial and tabular data to illustrate and reveal patterns, context, and the intrinsic qualities of any location. A GIS is also a powerful analysis tool capable of querying data for location and its relationship to overall context. At TGA, we have an intimate understanding of these tools and their capabilities.

Working with you and other experts, we build a completely defensible, dynamic analysis data platform with interactive visualizations and related tables that clearly represent the qualities of your project and its relationship to larger political, environmental, and regional contexts.

Wellar Consulting
Ottawa, ON Canada
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Wellar Consulting services include design and evaluation of education and training courses and curricula for GISystems and GIScience programs; advice and workshops on the development of quantitative measures to assess information system and transportation system performance; critical reviews of IS and GIS RFPs; seminars on the safety and security aspects of interdependent infrastructures; professional opinion on land use planning and zoning issues; and, expert opinion on liability for safety-related incidents involving pedestrians, cyclists, and motor vehicle operators.

University of Southern California Spatial Sciences Institute
• Spatial Studies minor, B.S. in GeoDesign, and Geographic Information Science and Technology Graduate Programs
• Geographic Information Science and Technology (GIST) online graduate programs
• Graduate Certificate in Geospatial Leadership

University of Washington Tacoma, Urban Studies
• Master of Science in Geospatial Technologies
• Certificate in Geographic Information Systems (GIS)

Auburn University

Temple University, Fox School of Business

North Carolina State University
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