Tons of Education at GIS-Pro & CalGIS 2018... and #GISBabies!

Do you have a GIS-related business problem? Would you like to grow your network with other industry peers? Do you have a story to share during a networking break that could impact your GIS career? If the answer is yes to any of these questions, then you must attend GIS-Pro & CalGIS 2018, October 9-12 in Palm Springs, California, held in conjunction with URISA International, the four California URISA Chapters, and the California Geographic Information Association.

With the strongest submission of workshops and presentations in recent years, the program (online at https://gisprocalgis2018.sched.com/) is one of the most comprehensive and robust available.

From management best practices, to examples of GIS applications by seasoned professionals, to inspiring young professionals, the program offers scores of opportunities to learn and interact around almost any application of GIS that you can imagine.

Tracks in this year’s program include: GIS Leadership & Management, Data Driven Communities, GIS for Natural Resources, GIS for NextGen 9-1-1 and Emergency Response, GIS Supporting Health and Human Services, Inspiring the Future of GIS, and Geospatial Technology Innovations.

Jack Dangermond, Esri’s co-founder and President, will give the opening keynote address during what will be an unforgettable geospatial event. The closing keynote from Greg Hanks, Deputy Chief of Geography Division, US Census Bureau will address the forthcoming 2020 Census which all US-based GIS Professionals should be aware of and many of you are probably already working on.

GIS-Pro & CalGIS also offers pre-conference workshops (included with registration) on topics ranging from asset management, open source GIS, addressing, the National Hydrography Dataset, health applications, and the integration of UAS data into your current GIS workflows. These comprehensive workshops are taught by industry leaders and are a must for any attendee. They will also earn you valuable GISP points towards certification.

continued on page 2
GIS-Pro & CalGIS 2018 is also an opportunity to create a network of professionals across the industry. These are colleagues you can count on for input, feedback, and solutions to your geospatial challenges. Connections you make at GIS-Pro & CalGIS are invaluable. Attendees regularly find their next new hire, discover a solution to their technical issues, and learn new ways to leverage their GIS capacity and develop innovative analyses, solutions, and products. Find out what’s working at organizations similar to yours and connect with them after GIS-Pro & CalGIS to continue sharing solutions and ideas.

Students (K-12 through university) and young professionals are invited to participate in poster and lightning talk competitions (see page 4) and get noticed as the Next Generation of GIS Leaders!

In addition to all of the education and networking opportunities, URISA is dedicated to the social value of GIS. We’re hosting a Silent Auction as a URISA GISCorps fundraiser in Palm Springs (see page 4) and will also host another HOT-OSM Mapathon. Last year’s Mapathon was well-attended and productive!

Of course, what would GIS-Pro & CalGIS be without some fun? URISA’s Vanguard Cabinet of Young Professionals is busy organizing meet-ups and we’ve got a Scavenger Hunt in the works to explore Palm Springs and facilitate new connections! This year’s social event will surely be one not to miss. After several days of networking and professional development, it will be time to unwind with your peers in a fun setting at the base of the San Jacinto Mountains.

Palm Springs has so much to offer. The convention center and hotel are close to Palm Springs International Airport (PSP), which is served by ten top airlines. Attendees will find multiple easy travel options to access this world class resort. Three additional airports (LAX, ONT, and SNA) are within two hours’ drive for even more options.

The spectacular views, fun-filled nightlife, and nearby recreation opportunities make the location ideal for GIS-Pro & CalGIS 2018. The area is also the ancestral home of the Agua Caliente Band of Cahuilla Indians, which adds to a rich history and the chance to visit a few casinos.

Esri hosts its partner and developer conferences in Palm Springs each year, so they know the area well. Check out this helpful Story Map that they put together to help you make the most of your visit!

We hope to see you in Palm Springs! Start reviewing the comprehensive agenda and register soon!

URISA Chair – Alex Hepp, Director of Assessment, CycloMedia Technology, Inc.
CalGIS Chair – Steve Steinberg, PhD, GISP, Geographic Information Officer – Los Angeles County
Program Chair – John Nolte, GISP, GIS Manager, Denver Water
Associate Program Chair – Ashley Hitt, GISP, Director, GIS Services, Connected Nation
Professional Planners Can Earn Ample AICP-CM Credits at GIS-Pro & CalGIS 2018
The American Institute of Certified Planners (AICP) is the American Planning Association’s (APA) professional institute and provides the only nationwide, independent verification of planners’ qualifications. Certified planners pledge to uphold high standards of practice, ethics, and professional conduct, and to keep their skills sharp and up to date by continuously pursuing advanced professional education. The Certification Maintenance program links AICP-certified planners to education and training opportunities so they may earn mandatory credits and remain current with the latest trends, technologies, and best practices.

URISA is an AICP-approved Certification Maintenance (CM) provider and is pleased to offer ample CM credits for planners who attend GIS-Pro & CalGIS 2018 in Palm Springs, California this October. A total of 90.5 CM credits (about twice as many as previous events) were approved for the program this year in Palm Springs, ranging from 8.5 CM credits for full-day workshops to 1.5 credits for attending the opening keynote address from Jack Dangermond, founder of Esri. For the breakdown, click here or download the PDF summary.

This event also earns ample Education points toward GISP initial certification and renewal. In addition, presenting at the event earns Contribution points, as does serving as a volunteer on the planning committee. Learn more about GIS professional certification via the GIS Certification Institute. Individuals who are pursuing GIS professional certification, are encouraged to attend this full-day workshop in Palm Springs for a valuable overview: Preparing for GISP Certification.

New this year: URISA will be making on-site child care available for attendees during the week to ensure the whole family can enjoy the visit to Palm Springs for GIS-Pro & CalGIS 2018, the GIS super-event of the year!

One of our favorite #GISBabies, Ehva, is going to be a lot more mobile than she was in JAX last year!

#familyfriendly #GISBabies #GIS-Pro2018 #CalGIS2018

Mark Your Calendar!
GIS/ CAMA 2019
Portland, Oregon
February 25-28, 2019
Participate in the Silent Auction to Support URISA’s GISCorps in Palm Springs

As you know, URISA’s GISCorps runs on volunteer energy and charitable contributions. A silent auction is planned to benefit GISCorps during GIS-Pro & CalGIS 2018 and we are looking for individual, organization, and/or Chapter donations.

GISCorps coordinates short-term, volunteer-based GIS Services to underprivileged communities. Services include finding qualified GIS volunteers for short term projects and establishing partnerships to create volunteer opportunities for the GIS community. Projects vary based on the partner agency’s need and may involve any and all aspects of GIS including analysis, cartography, app development, needs assessments, technical workshops, etc. Areas of service include humanitarian relief, disaster response, conservation, environmental quality, health and human services, GIS education, and expert crowdsourcing.

For more information on the great work that URISA’s GISCorps does, please visit: https://www.giscorps.org/what-we-do/

The Silent Auction to support URISA’s GISCorps will be on Thursday, October 11. If you have something you would like to donate to the cause, please let us know.

Volunteer Opportunities

Volunteer Opportunities

A limited number of volunteer slots are available for students currently enrolled in a college or university (or just-graduated). In return for devoting 8 hours of volunteer service (serving as a workshop monitor, helping out at the registration desk, etc.) selected volunteers will receive a free registration to GIS-Pro & CalGIS 2018. Note that travel and lodging is not included.

In addition to taking advantage of the professional education and opportunity to explore various career paths at the event, you’ll be able to network with people who may be interested in hiring you in the future or who might serve as your professional mentor! Priceless! A volunteer application form will be available here.

Be sure to follow @URISAVC for updates and invitations.

Note that Student and Young Professional members also receive significant discounts on registration!

Next Generation GIS Leaders—Getting Noticed in Palm Springs

In addition to valuable meet-ups and networking events, URISA’s Vanguard Cabinet of Young Professionals has teamed up with leaders in the education community to organize a valuable program track titled “Inspiring the Future of GIS”.

The track begins with a full-day workshop focused on “Preparing for GIS Certification”. The sessions are designed to 1) share GIS Education experiences and innovations across a variety of formats and 2) support young professionals and students in their geospatial career development. The student and YP sessions will provide opportunities to learn about and develop the skills and relationships that will advance their understanding of professional pathways and keys to success in the geospatial workplace.

Further, they are sponsoring a K-12 Poster Competition and University and Young Professional Lightning Talk Competitions! For details about each competition, visit http://www.urisa.org/gis-pro-studentsyps

URISA VANGUARD CABINET
Serving on an organization’s board can be a great career move. It establishes your leadership credentials, connects you with other leaders in your field, and challenges you to do new kinds of work. But before you join a board, it’s important to understand why you’re doing it.

Your reasons for stepping into leadership affect your impact on the overall board dynamic, your own performance, the quality of your partnership with fellow board members and the Executive Director, and the resulting success of intended outcomes.

Before you say ‘yes’ to that board position, consider these four questions:

1. When you are asked for input, are you ready to do some of your own study, engage with critical partners, and understand what is coming?
2. Are you personally willing to let go of the past, be a champion of sometimes hard but necessary change, and have the backs of those who are the public face of the strategy?
3. Do you really have the time to fully embrace the role, recognizing that you may have much to learn about governance, may need to spend considerable time becoming a master of the issues, and may have to practice not behaving as you do within your own organization when functioning as a board member?
4. Is this role a priority for you, and if so, what behaviors will you demonstrate that will have others notice your dedication?

While board members who seek power, personal position, brand affiliation for their companies or resume fillers may be able to make substantial contributions, those who recognize that their primary role is to be their organizations’ custodians of the future are the leadership gems.

Before you say “yes” to the privilege of board leadership, know why you are doing so and how your motivations will affect the organization you seek to influence.

Cynthia Mills is the founder, president and CEO of The Leaders’ Haven and executive coach. cynthiamills@theleadershaven.com

Speaking of Board Service...

URISA is pleased to announce the candidates for the 2018 election.

For President-Elect:
- Keri Brennan, GISP, DataMark Product Manager, Michael Baker International, Indianapolis, Indiana
- Kevin Mickey, GISP, Director Professional Development and Geospatial Technologies Education, The Polis Center-IUPUI, Indianapolis, Indiana

For Board of Directors:
- Doug Adams, GISP, Engineering Program Manager (GIS), Baltimore County Department of Public Works, Baltimore, Maryland
- Wendy Peloquin, GISP, Business Development Manager, GISinc, Jacksonville, Florida
- Hilary Perkins, GISP, AICP, Planner, City of Maryland Heights, Missouri
- Lynda Wayne, GISP, Consultant, GeoMaxim, Inc., Asheville, North Carolina

For Board of Directors (International Seat):
- Tammy Peterson, VP Marketing & Sales, Solv3D Inc. Calgary, Alberta Canada
- TBA

Watch your email for your personalized voting instructions!
Without a doubt, the GLA is in demand. We’re pleased to announce a third offering of the program this December 3-7, 2018 in Austin, Texas. So if you weren’t able to squeeze it in yet, you’ve got another chance this year, in Texas!

Austin is the State Capitol of Texas, a vibrant college town, and well-known for its cool live music scene, fantastic food, and one of the fastest growing technology centers in the country.

Register early to reserve your spot in Austin!
Many successful business people have pondered their leadership legacy—how do they want to be remembered. And many of them struggle to find the answer.

Your legacy is defined by the impact you have on the lives of others after you are gone. It is how you will be remembered. We are all leaving a legacy, there is no escaping it. If asked, how would you respond to the question of, “What do you want your leadership legacy to be?”

However old or young, you have the opportunity to raise the bar on the legacy you are leaving. Whether you are a senior executive, in a new position in your business, a new parent or grandparent, a student or recent graduate, you can choose your legacy. Or perhaps you have had a setback in your life, it is never too late to refocus on what you can change - your legacy.

The most effective business leaders are people who ultimately pursue five separate but related behaviors. These five can provide the framework for you in your pursuit of creating a positive leadership legacy in life.

• **Character.** Being a person of character is at the foundation of building trust with others. Character is who we are and what we stand for. It is comprised of many things but its foundation is values; those deep beliefs like integrity, loyalty, and respect. Values do not change overnight; rather they are forged in one’s heart and soul over time. They ultimately drive how we behave. When you think of those people who left a wonderful legacy for you, was not character the essence of the memory?

• **Attitude.** Your attitude can change everything you do and everyone you meet. No one enjoys hanging out with chronic complainers or naysayers. A positive attitude can be a force multiplier in daily interactions or long term strategies. A positive attitude creates passion, enthusiasm, and a call to action. It can change outcomes. You have a choice in your attitude. Make it positive!

• **Vision.** We all need a vision, or a plan, for our future. A saying attributed to the great Yogi Berra goes: “If you don’t know where you are going, you are likely to end up someplace else.” A vision provides clear direction for your future. Create your future by putting a mark on the wall of where you want to be 1, 2, 5 years from now. Craft an action plan that identifies your objectives and critical decision points. Establish a set of milestones that will help you achieve your objectives, and then celebrate each of their achievements as you progress along the way!

• **Excellence.** Both championship teams and successful businesses do not drift to greatness; they commit themselves to excellence. Commitment means tireless pursuit of doing your absolute best, every day, all the time. Excellence matters in everything you do. If you don’t commit to excellence yourself and demand it from others you will create a culture of mediocrity. Most people are not interested in mediocrity.

• **Relationships.** Building trusted relationships with others trumps everything else when it comes to leaving a positive leadership legacy in your world. Serving the needs of others builds trust in relationships. You serve by knowing your people, genuinely caring for them, reaching out to those in need, sacrificing and celebrating with them, exercising humility, are all important aspects enabling strong relationships. Nowhere is trust between leaders and followers more profound than in the military. You can learn, just like US Military Academy graduates at West Point are required to learn, that is Schofield’s Definition of Discipline. Major General John Schofield in his address to the Corps of Cadets in 1879: “The discipline which makes the soldiers of a free country reliable in battle is not to be gained by harsh or tyrannical treatment. On the contrary, such treatment is far more likely to destroy than to make an Army.” You know you will have achieved the goal of building trust when you can feel the spirit of cohesion that permeates the hearts of who serve together.

These five keys will provide a framework for establishing your approach to leaving a positive leadership legacy in your life. On a scale of 1 to 5, with 1 being not so good, and 5 being great, how would you assess your behavior in each of the five areas? An action plan should follow your assessment that focuses you enables you to grow your ability where needed.

I wish you the best in your leadership journey.

ABOUT THE AUTHOR: Jeff Foley is a recognized speaker, executive leadership coach, and author of Rules and Tools for Leaders. He is a West Point graduate and retired as a Brigadier General having served thirty-two years in the Army. Drawing on his unique military experience, Jeff uses his singular insight to build better leaders. For more information on Jeff Foley, visit www.loralmountain.com.
Managing Employees That You Can’t See
Five Keys to Get the Most Out of Your Remote Staff
By: Jan Makela

Over 43% of the United States workforce is comprised of remote workers—and the ability to work remotely is a powerful recruiting and retention tool for many companies. In addition to those obvious benefits, the organization also enjoys lower costs by saving on office-related expenses, and a boost in productivity as employees are no longer on long commutes. People will consider part-time work if they are afforded the flexibility of not having to come into the office, and as not every role in company requires a full-time employee, it can prove a perfect arrangement for the employer and employee.

But to get the most out of your work-from-home employees, you need to have some firm guidelines in place. Here are five keys to implementing a work-from-home system and methods to best manage your remote employees.

1. Set Clear Expectations
Many managers worry that remote employees won’t work hard without supervision, but studies consistently show that remote employees are more productive than their office-based counterparts. When there are productivity problems, it’s most often due to unclear expectations, not slacking off. With the following strategies, you can ensure that your expectations are crystal clear.

Properly define what success looks like in the operational context of your organization. Have a frank conversation and discuss the definition of “success” for a particular project. Be sure that you and your employee have a shared vision. Set firm goals and identify the required outcome, and establish a timeline for specific milestones. You should regularly check-in with your remote staff, monitor progress, and ensure that they are moving toward their goal in a timely fashion. If you’ve given clear direction on the required outcomes, you don’t have to make a personal judgment about whether someone is working hard. By investing time in the planning stage, it will pay off in productivity.

2. Relationships Matter
People are social creatures and need interaction to stay engaged. Building a good relationship with your remote employees ensures that they don’t feel isolated from the team. It also sets the foundation for good management. In a shared environment, relationship-building happens around the water cooler, in hallways, and before and after meetings. Without physical proximity, new avenues for relationship-building need to be used with remote workers.

Use instant messaging for the types of interactions you have in the hallways with office-based staff. Ask how their day is going, send a link to a helpful article or share a joke. You’re not going to just run into your remote employees, so connections require deliberate effort. Set reminders in your calendar to make sure informal check-ins don’t get overlooked. Encourage a couple of minutes of personal chit-chat at the beginning of calls. Ask about their weekend, family or hobbies. Follow up on their comments from previous calls.

3. Be Available
Remote employees can’t stop by your desk when they need a quick answer, so it’s important that you set aside time to be available to them. Respond to messages promptly so you don’t hinder their productivity. If you can’t fully address a question right away, let them know you’re working on it. Share your calendar. Sharing your calendar allows your remote staff to see when they have the best chance of catching you between meetings. Schedule regular check-in times. Your remote staff can save their non-urgent questions for your regular meeting rather than sending multiple emails or instant messages.

Another avenue is video calls, which can build rapport by allowing colleagues to visually connect. It’s more personal than a voice on the phone or text in an email. Video calls offer another advantage… callers are more engaged and less likely to be distracted by emails or social media. Many video calling programs have polling options. Add a personal touch by starting each meeting with a question. What method of communication do you prefer (email, IM, phone, video call)? What are your weekend plans? It’s also helpful to add a non-business touch, which will jump-start a personal connection—which has distinct business value. We learn a lot about each other visually. Create a shared picture folder. Invite team members to post an image of family or activities they have been involved in.
4. Communication
Communication takes extra effort when working remotely. To be effective, you must communicate clearly, often, and well. When talking with someone in person, there are many subtle cues that add to the message. Facial expressions, gestures, body language, and tone of voice all help to interpret the speaker’s meaning. Those cues are often missing when communicating remotely. Be direct. Clearly state what you need and when you need it. This reduces the need for follow up messages to clarify the request. Be warm and personable, but not overly familiar. Without non-verbal cues, jokes and casual comments can be easily misinterpreted. Share your progress. When you’re not in the same office, your colleagues don’t know what you’re working on. Let them know how projects are progressing. Share your barriers. Likewise, let your colleagues know what barriers you’re encountering and what help you need to address those barriers.

5. Connection to the Organization
You may find that remote employees lack the buy-in and engagement of those people who experienced some exposure to the home office. If your employee completely works from home, consider including them in home office training events and allow them to meet people that they may interact with but never see. You may find that relationships improve and turnover of remote workers decreases. Finding ways for your people to connect is the secret sauce to having successful employees that do not come to the office.

Both the employer and the employee—part or full time—can benefit from working remotely. For the employee the advantages may be obvious but employers also benefit from less overhead, increased cash flow and access to a larger talent pool. When implementing a work-from-home arrangement, it’s imperative to follow the five guidelines to best position your employee—and the company—for success.

ABOUT THE AUTHOR: Jan Makela is an executive coach, highly-sought after speaker, and best-selling author of Cracking the Code to Success and Be the Manager People Won’t Leave, for which he received the 2017 Quilly Award. Jan has a long and successful history of working with companies to ensure quality hiring and training practices. His specialty revolves around strength-based leadership development, with a particular focus on working with senior and mid-level executives, business owners, and professionals. For more information on Jan Makela, please visit www.StrengthBasedLeadership.net.

Here’s what some of this year’s attendees in Houston (March 2018) had to say:
• It is far better than any local conference I have attended. Go to this conference to see what a “real” conference is like.
• Best conference to attend all year! Great that it is both GIS/CAMA and so relevant!
• Definitely attend, I learned a lot of valuable information. The GIS/CAMA conference is a great resource to keep up with the trends and make connections to help navigate the GIS and CAMA connection.
• I would say that this is a good opportunity to learn about existing technology and some of the challenges that assessment areas are facing. The integration of GIS and CAMA is extremely important and having the two specialty groups at the conference was a nice blend of sessions and people.
• It is interesting to see what others have done and maybe we don’t have to reinvent the wheel.
• I’ve met many of the best professional contacts at GIS/CAMA. It’s great to share ideas & inspiration with others who “get what you do.”
• It’s a great user-led conference for applicable solutions.
• These conferences are the best way to network with people that have a similar job but may have an insight that makes your job better.
• GIS/CAMA is a must attend for any assessment office that is maximizing its budgetary resources by leveraging technology to achieve the proper balance of people, time, and money.
• You can’t learn everything from Google. You actually have to get out and meet with other professionals experiencing similar challenges in the workplace.

Submit a workshop and/or presentation proposal for GIS/CAMA 2019 in Portland:
• Workshop proposals are due on or by August 1, 2018.
• Presentation proposals are due on or by October 15, 2018.

For complete details and online submission forms, click here.
2017 URISA GIS Salary Survey is Finally Here

How do you stack up?
Is your organization offering a competitive salary package for potential hires and for staff retention?

URISA's GIS Salary Survey is an ideal resource for both job seekers and for those who hire GIS staff. As in the past, an Executive Summary is available for FREE and a comprehensive analysis of the results is available for purchase.

2017 URISA GIS Salary Survey Executive Summary: This document is a preview of the 2017 URISA GIS Salary Survey, and includes valuable summary data from the survey results.

Quick Hits from 2017:
• The survey is based on 3,060 respondents who are employed full-time.
• The average salary of survey respondents was $70,857 - an increase of 15% over the 2010 average of $61,540.
• GISP's, on average, earned $10,000 more than non-GISP's.
• A majority (57.7%) of respondents are employed within some level of government, from local to federal agencies.
• Most receive additional forms of compensation including health insurance, paid conference attendance, life insurance, paid training, pension/retirement plans and 401(k) plans.
• They spend an average of 70.8% of their time performing geospatial tasks and work an average of 41.6 hours per week.
• The minimum level of education required for their position is a Bachelor’s degree.
• They have an average of 13.5 years of professional experience and have been in their current position for an average of 6.8 years.
• Less than half (42.5%) were GISP's.
• Two-thirds were male and the average age of respondents was 40.5 years.
• Most (90.4%) respondents were from the U.S. with the greatest concentration from the South Atlantic, Pacific, Mountain and West South Central regions.

View the Table of Contents

Purchase the 2017 URISA GIS Salary Survey publication (nearly 600 pages) as a downloadable PDF: $199 for members and $350 for nonmembers
Don’t miss the latest free webinar opportunity for URISA International Members

FEMA and GIS: The Role of Technology and Data in Disaster Management
Monday, July 30, 2018
2:00-3:00 pm Eastern

In 2017 the United States experienced some of the most significant disasters in its history. FEMA is the key federal agency tasked with addressing disasters. In recent years they have made it a strategic priority to develop GIS data and cutting edge technologies that now enable them to more effectively support communities before, during and after disasters. In this presentation, you will see demonstrations of the tools and resources currently available from FEMA and learn how they are being used around the nation. You will also learn about several exciting initiatives that are currently underway to develop GIS resources that quantify hazard risk and impact to support rapid and accurate decision making. There will be a question and answer session at the end of the presentation.

Presenter: Chris Vaughan

Chris Vaughan serves as the FEMA Geospatial Information Officer where he champions and coordinates geospatial technologies across multiple response and recovery programs. In order to meet strategic goals and priorities, Chris works effectively across federal, military, state, local, and tribal communities to promote geospatial programs, technology, and institutional structures and share best practices. In addition, he is committed to identifying, mentoring, and developing the next generation of geospatial leaders. Mr. Vaughan has a Master of Science in Counseling Psychology from Lee University and is a graduate of American University’s Key Executive Leadership Certificate Program.

Must pre-register: On-line registration

Check out a couple of the recent URISA recorded webinars:

- **Learn about URISA’s GISCorps Webinar**
  We are all extremely proud of this URISA program, founded in 2003, which connects GIS expertise with underserved communities and in response to emergencies around the globe. Take some time to learn about the amazing missions that GISCorps volunteers have contributed to and learn how you can participate. #GISgivesback

- **Preparing for GISP Certification Webinar**
  Information presented in this webinar was designed to help professionals who have extensive GIS education and experience, but need to know what topics to review prior to taking the exam. It also helped individuals with some GIS experience that may be lacking in one or more areas covered by the exam and that need to know where to find additional resources to study.

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Wilbur (Wil) Steger, URISA president (1971-72), was a major, early contributor to the formation of URISA as a tri-partnership among the academic, government, and private sector communities, and for more than four decades he played an influential role in shaping URISA’s evolution as a leader in the field of information-based education, training, research, applications, management, and governance activities.

These brief remarks touch on some of his many accomplishments, and I begin by noting that Wil received the Horwood Distinguished Service Award in 1979. The Horwood Award, created in 1975, is URISA’s ultimate award for service and leadership to URISA and within the geospatial industry.

In the interests of space I include links to a selection of materials which provide context for my observations, and introduce a body of work that has been of great benefit to many people in government, business, academe, and society at large, and especially to URISA members.

Wil’s academic training was in economics, and he obtained degrees from Yale (B.S.) and then from Harvard (M.S., PhD). His first post-graduate employment was at the RAND Corporation, a research institute of world renown. The following reports represent the kind of research projects Wil undertook while at RAND, and which provided an information-based foundation that would garner the Horwood Award and numerous other forms of recognition over his distinguished career:

- The use of gaming and simulation devices in business, 1957
- Supply and depot-repair interactions: a case study of electronics support, 1959
- The Use of Manned Simulation in the Design of an Operational Control System, 1961
- Game-simulation and long-range planning, 1961
- Simulation and the Logistics Systems Laboratory, 1962
- Determining preferred management techniques in new systems through game-simulation, 1962
- The Combination of Alternative Research Techniques in Logistics Systems Analysis, 1962

These projects involved very pragmatic topics in a think tank environment way before computers began assisting with the heavy lifting that underpins non-trivial data analysis and synthesis. Wil Steger was a frontrunner in combining client-driven research and curiosity-driven research, and was one of the role models for my 2005 Anderson Lecture, Significant Advances in Applied Geography from Combining Curiosity-Driven and Client-Driven Research Methodologies.

After a very productive stint at RAND, Wil founded CONSAD Research Corporation in 1963, setting up shop in Pittsburgh. He quickly emerged as a VFP (Very Familiar Person) at numerous agencies at all levels of government, compiling an impressive record of high-level consulting work in many different fields and venues.

Among his many productions, there is one in particular that I have read repeatedly, beginning in my graduate school days at Northwestern when Professor William (Bill) Garrison gave me a copy of Urban Development Models. The book in its entirety is among the most valuable publications that I have encountered, and leading the way is the extraordinary paper by Wil Steger and T. Lakshmanan, “Plan evaluation methodologies: Some aspects of decision requirements and analytical response,” in Urban Development Models, ed. G. Hemmens, 33-76. Washington: Highway Research Board, 1968.

The paper was brilliant in 1968 and, 50 years later, it is still a deep and powerful piece of writing which remains as fundamentally pertinent now as it was in 1968. That is tremendous shelf life by any measure.

As some readers know, Wil Steger published many papers in URISA proceedings over the years, and made a massive contribution to URISA’s body of learned literature. What is not widely known however, was the amount of time that Wil spent within the halls of power (government, business, and academe), which brings me to an event in 1978 which I noted in Foundations of Urban and Regional Information Systems and Geographic Information Systems, page 107.

Martha Davis, Special Assistant to the Chief Economist, Department of Commerce, asked Wil to plan a meeting between officials from URISA and the Interagency Task Force on Urban Data. The objective of the meeting included exploring the issues involved in developing a government-wide urban information base to bring together social, economic, and fiscal data that could be used to improve federal and municipal development strategies.

The meeting was held August 6, right smack in the middle of the [1978] URISA conference, and attendees with URISA connections included Wil Steger, Barry Wellar, Bob Aangeenbrug, Dorothy...
I believe it is fair to say that by the end of the discussion the Task Force was very appreciative of the alternative approaches that were suggested, and a compelling case had been made for the Task Force to include URISA conference proceedings in its reading material.”

Jumping ahead 34 years, three U.S. federal agencies (Census, Geological Survey, and NASA) were named to the GIS Hall of Fame in 2012, and Wil Steger deserves a lot of credit for his years of promoting and bridging this intimate and mutually beneficial relationship between URISA and federal agencies.

Wil had a remarkable record of achievement before and after 1979, and the latter part of his illustrious career is exemplified by a panel presentation in 1992 at the Columbia Institute.

As readers may recall, the Earth Summit held in Brazil in 1992 was designed to bring together world leaders to discuss global environmental concerns, including global warming and international environmental treaties. Consistent with custom for such global events there were a number of preview events, one of which was a day-long forum on the topic, “The Economics of Emission Reduction.”

Wil was one of the business scholars and environmental analysts invited to lead the discussion on the trade-offs between tighter environmental standards and economic concerns for industrialized countries. Thirty years later the U.S. and a number of other countries still have not moved very far in reconciling the issues laid out by Wil and the panel.

The panel presentations and an opportunity to view Wil in action are available on C-SPAN.

Over the years, I was fortunate to have numerous discussions with Wil Steger and Bill Garrison, two ‘outside the box’ thinkers, and often one of them would tell me to check into something that the other had written or done.

Wil Steger, like Bill Garrison, had the credentials of a “renaissance man” with expertise in such domains as macro and microeconomics, transportation, research methodology, land use planning, health services delivery, operations research, regional science, econometrics, probability and statistics, spatial analysis, governance structures and functions, policy formation models, and data-information-knowledge transform processes. Moreover, he knew his hockey.

Thank you, Wil, for making URISA part of your life.

Closing note. For more referrals to Wil Steger see Foundations of Urban and Regional Information Systems and Geographic Information Systems, and for access to Wil’s URISA publications, go to the URISA website, log in, click on Member Resources and enter ‘Steger’ in the library search bar. You will be well-rewarded for your time.

(*Dr. Barry Wellar, Horwood Award (1985), GIS Hall of Fame (2011), is a URISA Past President (1977-78), Professor Emeritus, University of Ottawa, and President, Information Research Board (IRB) Inc.)

Huge Honor for One of URISA’s Own!

Barry Wellar, past president and GIS Hall of Fame inductee, is a 2018 member of the Order of Canada!

The citation reads: Barry Wellar is a leader in the field of geographic information science. Professor Emeritus at the University of Ottawa, he has been a strong advocate for the field’s recognition as a legitimate domain of scientific inquiry as well as a fundamental research tool. He was a pioneer in the use of GIS applications to help the public sector handle planning issues at all levels of government, particularly within the urban context. His leadership within the field, both in academia and industry, is extensive and lauded.

Created in 1967, the Order of Canada, one of Canada’s highest civilian honours, recognizes outstanding achievement, dedication to the community and service to the nation. Close to 7 000 people from all sectors of society have been invested into the Order. Their contributions are varied, yet they have all enriched the lives of others and have taken to heart the motto of the Order: DESIDERANTES MELIOREM PATRIAM (“They desire a better country”). Appointments are made by the governor general on the recommendation of the Advisory Council for the Order of Canada.

Congratulations on this phenomenal accomplishment!

Participate in Tripp Corbin’s Annual Survey on GIS Certification

Here is the link to the survey: https://goo.gl/forms/lMnZjDFu0hh1Nzpk1

Tripp will present the results at GIS-Pro & CalGIS 2018 as part of the GISP Prep Workshop as well as at other events.
GISCorps (www.giscorps.org) is run by volunteers with the support of its parent organization, the Urban and Regional Information Systems Association (URISA). However, its operations depend entirely on donations from allied organizations and individual support from people like you. DONATE HERE!

What is URISA’s GISCorps?

GISCorps is Volunteerism

GISCorps is a passionate team of volunteers and leaders in the geospatial industry who are dedicated to service to the global community. There are over 5,000 GISCorps volunteers, from 133 countries, world-wide, ready to respond to requests for technical assistance. A core group of volunteer leaders organize and assign these volunteers to projects based on need and skill sets. Using tools that include OpenStreetMap and Esri’s ArcGIS Online, these volunteers help respond to natural and man-made disasters, assist in community building, and support sustainability for underserved and underdeveloped communities. —222 projects completed and counting!

GISCorps is Disaster Recovery

GISCorps participates in projects that assist in the assessment and recovery operations from natural and man-made disasters. From hurricanes and earthquakes to epidemics and homelessness, GISCorps volunteers provide innovative support and GIS services to national, local, and regional government agencies, as well as to NGOs and non-profits.

GISCorps is Community-Building

GISCorps lends its support to programs that create stronger communities. Projects have included blight analysis, site analysis, and assisting in the building of geospatial capacity for organizations that are working to build a more compassionate and just world.

GISCorps is Sustainability

GISCorps leads geospatial projects that enhance the capabilities of governments, private and non-profit organizations, and grassroots groups to tackle the challenges of a planet that offers limited resources to growing populations. GISCorps has assisted on projects that address food scarcity, climate change, and education across the globe.

URISA is a 501c(3) charitable organization. Contributions are tax-deductible in the U.S. Please donate today!
Welcome New URISA Members

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Abiola Adesoye FCT-ABUJA, Nigeria
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Brian Arnold—City of Dayton - Dept. of Water—Kettering, OH
Lucy Aubrecht—Michael Baker International—Pittsburgh, PA
Lucy Brady—N.C. Department of Transportation—Raleigh, NC
Darcy Bergsma—BC Hydro—Nanaimo, BC Canada
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William Smith—City of Detroit—Detroit, MI
Brandon Sylvester—Overland Park, KS
Amy Szczesny, GISP—Eagle County Colorado Government—Eagle, CO
Andrew Tangeman—San Diego, CA
Ryen Tarbet—Data Transfer Solutions—Orlando, FL
Myra Tetteh—University of Michigan - School of Public Health—Detroit, MI
Priscilla Thoopthong—Manatee County Information Technology Dept.—Bradenton, FL
Megan Verburg—Edmonton, AB Canada
Nancy Verduzco—Pomona, CA
Matthew Woodlief—St. Charles, MO
Denise Wright—GPI Geospatial, Inc—Polk City, FL

New URISA Government Agency Members

County of Maui Department of Finance, Real Property Assessment Division—Kahului, HI
Elisse Deleisseques
Colin Lindeman, GISP
Daniel Sereno
Scott Teruya
Welcome New URISA Educational Institution Members

Brandman University—Irvine, CA
Charles Bullock
Sheila Steinberg

Brandman University is a private, non-profit regionally accredited institution that provides educational opportunities for working adults. There are over 25 campuses throughout California and Washington, and a virtual campus online.

Undergraduate Certificate, GIS Use in Non-Profit Organizations - An innovative, problem-solving approach to learning and using GIS.

Kent State University—Kent, OH
Andrew Scholl
Diane Ortilano

The online Geographic Information Science (GiSc) programs from Kent State University offer you the skills and knowledge to delve into exciting and evolving areas within GiSc. With the increasing demand for GiSc expertise, graduates of the GiSc program can drive innovation and apply modern technologies to their careers in nonprofit, government or business sectors.

GIS experts can make significant impacts in major global challenges such as health, water resources, or climate change. You can also influence people’s daily lives with cartography, transportation, and education.

Online Master of Geographic Information Science
Kent State’s online Master of Geographic Information Science (MGiSc) will help prepare you with skills that extend beyond simply understanding software features or capabilities.

- Learn from dedicated, full-time faculty genuinely invested in seeing their students succeed
- Experience a flexible online program structure created to fit the lives of full-time working professionals
- Specialize in one of three concentration areas: Cyber GiSc, Environmental GiSc or Health & GiSc
- Graduate in as few as two years
- No GRE requirement

Online Geographic Information Science Certificate
For those who are interested in graduating sooner, Kent State also offers a postbaccalaureate certificate option. Students can choose between three certificate concentrations to prepare them for analytical and managerial roles utilizing geospatial technologies.

- Graduate in less than a year
- Choose from three concentrations: Cyber GiSc, Environmental GiSc, and General GiSc
- No GRE requirement
- Twelve credits from the certificates can be transferred to the Master of Geographic Information Science

Sources:
Platinum Corporate Partners

Cityworks
Cityworks provides users with a web GIS-centric solution that helps them manage, track, and analyze your infrastructure maintenance and risk assessment. Cityworks includes an integrated permitting and community services management system to include activities done across residential, commercial, and other community infrastructure.

Since 1996, Cityworks | Azteca Systems, LLC has created and designed public asset management software for cities, counties, utilities, and authorities (i.e. local government). Cityworks pioneered the web GIS-centric paradigm and approach for public asset management to help organizations improve service and maintain the public infrastructure. Cityworks is a major software system used by organizations throughout North America and Internationally for managing utilities, public works, parks, planning and development, and airports. Daily, Cityworks is used by over 40,000 public sector employees to service and maintain the vital public assets for communities with a combined population of more than 80 million people.

For more information please go to cityworks.com

Esri
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info@esri.com

Since 1969, Esri™ has been helping organizations map and model our world. Esri’s GIS software tools and methodologies enable them to effectively analyze and manage their geographic information and make better decisions. They are supported by our experienced and knowledgeable staff and extensive network of business partners and international distributors.

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.

Gold Corporate Partners

UPGRADED PARTNER LEVEL FOR 2018!
Michael Baker International

Since 1940, Michael Baker International has built its global legacy – and full continuum of solutions – on a diverse culture of innovation.

Solving our clients’ most complex challenges often requires new ideas, new processes, new technologies – new solutions where none existed previously. Our success always has drawn on the collaborative creativity of our dedicated employees, who leverage our diverse backgrounds, expertise, experience and can-do attitudes to make the communities we serve safer, more accessible, more environmentally sustainable, and more livable.

The result: a growing portfolio of exclusive innovations at Michael Baker that add significant dimension and value to our ability to deliver our full continuum of solutions. Michael Baker innovations – and the innovators behind them – serve as game-changing differentiators in the industry and demonstrate once again how We Make a Difference for our clients and the communities we serve.

• A suite of products and services to support the NG9-1-1 call-routing environment

Michael Baker International’s DataMark suite of software solutions and services support public safety answering points (PSAPs) and their GIS stakeholders in this mission critical transition. DataMark solves upgrade challenges, helps improve public safety communications and ensures the data meets the precise NG9-1-1 requirements. The software considers all aspects of the data that is provisioned to a NG9-1-1 system (data creation, clean up, quality and maintenance workflows). With extensive expertise in GIS and public safety, Michael Baker can help GIS departments determine what they need to do in order to support NG9-1-1.

• GIS-based mobile app for managing infrastructure assets

Michael Baker International engineers created a mobile phone-based computer software platform, MICAP (Mobile Infraction Capture) to collect and analyze data and images over broad geographic areas to help monitor utility equipment for changes and compliance problems. The GIS-based MICAP platform provides access to licensed data, as well as the collection and analysis of new data and images, delivering an improved workflow interface for managing assessments, repairs, and geographic changes to infrastructure assets. It is designed for state agencies, municipalities, utility companies, land developers and other engineering firms that need to effectively monitor and manage utility poles, underground cables, utility pipelines, bridges, runway infrastructure and other assets. MICAP is free and available via the App Store and Google Play.

• Local watershed assessment at the push of a button

iWATR (Integrated Watershed Assessment Tool for Restoration) is a mobile app-based innovation developed by Michael Baker International’s water services team to add speed, capability – and value

For information about URISA Partnership, please visit:
to provide an easy-to-use assessment tool for any city, county or state planner across the U.S. to develop or better manage local land. The app combines GPS features and data from the U.S. Environmental Protection Agency and other government sources, to compile local data at the push of a few buttons. It tabulates a comprehensive assessment, and provides several solution options with cost estimates to solve specific water quality-impairment problems in watersheds areas.

• Analyzing bridge data with ease

iUSBridges, is a geographic information system (GIS)-based app that allows users to locate nearby bridges, explore details of those bridges, save information on favorite bridges, and share feedback. iUSBridges uses data retrieved from the Federal Highway Administration’s (FHWA) National Bridge Inventory. State departments of transportation provide updated bridge information on a cyclical basis to the FHWA.

For more information, click here.

Silver Corporate Partners

Cyclomedia Technology, Inc.

1250 I-Newell Ave., Suite 160
Walnut Creek, CA 94596
Phone: 800-790-3652
Email: usa@cyclomedia.com
www.cyclomedia.com
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Cyclomedia is the market leader in systematic 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.

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

Cyclomedia offers the following licensed products:

Content
• Cycloramas – Seamless, accurate 360° panos taken at street-level with our patented recording technology.

Viewer Software
• GlobeSpotter – Our feature-rich web app for viewing Cycloramas that runs on any browser supporting Flash.
• GlobeSpotter for ArcGIS Desktop – The power of GlobeSpotter inside Esri’s leading GIS software.

Hosting Solutions
• GlobeSpotter Cloud – Secure, scalable hosting service managed by Cyclomedia that’s free to customers.
• GlobeSpotter Server – Locally hosted option supporting all Cyclomedia’s content and software.

Developer Tools
• GlobeSpotter API – Integrate GlobeSpotter components into your user’s existing business workflow.
• Panoramic Rendering Service – Extract pictures for reports and texture map buildings with Cycloramas

Data Transfer Solutions

3680 Avalon Park Blvd East, Suite 200, Orlando, FL 32828
Phone: (407) 382-5222
albaugh@dtsgis.com

Headquartered in Orlando, DTS is a leader in asset management, geographic information systems, and transportation planning. We specialize in creating solutions to 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

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EagleView Technologies offers Pictometry® Intelligent Images®. The high-resolution oblique and ortho images are captured and processed with patented technology and delivered through innovative analytical tools to allow for the most accurate assessment of properties.

Used daily by GIS, assessment, public safety, defense, insurance, construction and utility professionals, 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

Clark Nexsen

Our clients leverage our expertise and rely on our long history of proven performance to develop geo-related solutions, including Geographic Information Services, GPS survey and map grade data collection, geo-enabled photogrammetry, aerial imagery analysis and process-
As a trusted partner, we collaborate with our clients to identify their goals and deliver solutions and products that exceed expectations. Our team’s cutting-edge technical capabilities meet the emerging survey, mapping, data collection, and application development needs of our clients, building on a strong foundation of experience and proven ability to perform and execute multiple, simultaneous task orders.

Learn more: Featured Projects

GeoDecisions

Since 1986, GeoDecisions has partnered with clients throughout the U.S. and abroad to design, develop, and deploy leading edge, disruptive GIS tools and applications that improve decision-making. Backed by Gannett Fleming, our rock-solid engineering parent company established in 1915, we combine the best talent and resources from across our firm to deliver the best business solutions.

Planning, budgeting, managing assets and data, and optimizing resources are critically important in today’s global economy. At GeoDecisions, we provide the data management and mapping technology tools and products that help clients successfully navigate change. Our geospatial information technology (IT) offerings empower organizations to make more informed business decisions and improve their bottom line.

Partnering with industry leaders such as Esri, our turnkey approach encompasses strategic planning and implementation design all the way through system integration and testing. Our foundation for success is based on the belief that the true power of GIS lies in the integration of diverse information technologies, data formats, and systems. From cloud computing and mobile technologies to Software-as-a-Service (SaaS) offerings built on the Esri® platform, our location-based IT solutions provide next-generation reporting, visibility, and analytics.

GeoDecisions believes that all IT projects require vision and considerable leadership to be completed successfully, on time, and on budget. By championing a philosophy vested in partnering, collaboration, and shared goals, GeoDecisions’ staff makes every effort to work with all parties who will use a system. We strive to recommend the best-fit solutions for our clients, based on the balance of available funding and personnel versus desired functionality.

GeoDecisions is ISO 9001:2008-certified and employs more than 80 IT and geographic information system (GIS) professionals operating out of 9 offices. Our staff is engaged in IT consulting and in the design, development, and deployment of data repositories and geospatial and Web-enabled information management systems. GeoDecisions IT solutions are flexible, scalable, and reusable.

Our business specialties benefit the logistics and fleet management, insurance and financial, municipal and facility asset management, transportation, and utility markets.

Our team includes subject matter experts with advanced certifications who keep their fingers on the pulse of geospatial technology. Through industry leadership, ongoing training, and a unique blend of talent, GeoDecisions professionals work to exceed client expectations every day. Our vision identifies and mitigates risk, resulting in more effective project collaboration, on-time delivery, and success.

Evari GIS Consulting

Evari GIS Consulting, Inc. (Evari) was founded in 2009 with the mission of providing high quality, custom GIS solutions for municipal projects. Evari has a wide array of project experience supporting municipalities, utilities, and energy service companies, providing As-Needed GIS support for Transportation, Civil Engineering, Storm Water, Undergrounding Master Planning, Street Lighting and Planning projects. Evari is driven to innovate, employing GIS to streamline data management, empower field crews with mobile GIS technology, and facilitate Smart City, IoT solutions. With a focus on producing clear, accurate and valuable data, maps and figures, Evari’s provides its clients with effective decision-making and project communication tools. Evari leverages the Esri Technology Stack (ArcGIS) and the Amazon Web Services Cloud Computing platform for a broad range of municipal GIS applications.

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 its 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

Applied Ecology, Inc.

Located in Brevard County, Applied Ecology is knowledgeable and experienced in working with clients in the central and south Florida area. Our location has allowed us to be highly involved in the Indian River Lagoon TDML process, and preserving some of the most precious natural resources of the Tampa Bay and Indian River Lagoon estuaries. We serve municipalities and other businesses that cater to public clients and are experts in their fields. Applied Ecology, Inc. is a small, woman-owned business with 40 years of combined specialized experience in:

- GIS
- Remote sensing
- Project management
- Complex data and database management
- Statistical analyses
- Software tool development

We focus on serving public clients in:

- Environmental resource management
- Ecological studies
- Water resources
- Stormwater management
- Utilities
AEI has the experience and skills to plan studies that cross multiple disciplines. Please see the key staff qualifications and project examples to see the level of expertise a small team
- Data management
- Custom programming
- Database creation
- High-level spatial and statistical analyses
- Report writing

We take pride in being a highly responsive business that delivers quality products on-time!

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Bad Elf specializes in the design and manufacture of affordable and reliable high-performance GNSS receivers for GIS mapping and field data collection. All of our products are lightweight, portable, and provide a battery life of twenty-four hours for a full day of data collection activities. Our complete product line offers a range of capabilities and accuracy (from 2.5 meters to 1 meter) to match your requirements.

Bad Elf products work seamlessly with most GIS and mapping apps in the iTunes App Store or the Google Play Store. Bad Elf also supports Android and Windows devices, providing streaming location data in standard NMEA sentences.

Our Bluetooth GNSS Surveyor provides high-accuracy (~1 meter), multi-constellation support (GPS, GLONASS, QZSS), SBAS (WAAS/EGNOS/MSAS), and universal Bluetooth connectivity (iOS, Android, Windows). The free Bad Elf Utility app for iOS includes DGPS and post-processing workflows.

We are forging strong relationships with GIS app developers taking advantage of our products’ advanced hardware features thru our Bad Elf Developer program. There are no restrictions on how you use your data. We believe in open standards. Any device that can connect to a Bad Elf GNSS receiver via Bluetooth will be able to consume data directly from our GNSS accessories. Your data. Your way.

**Geocove**

**Geocove** helps agencies solve the problem of where. Geocove provides spatial technology solutions to government agencies and utilities to help them collect, manage, visualize and share information. We provide insight into problems and solutions for decision makers, users and the public. We also make seriously cool map apps. So how does your GIS program work for you? info@geocove.com

**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 “GeO” 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.

**Infrastructure Mapping and Autonomy**

We leverage technology developed by our autonomous vehicle mapping partner for rapid LiDAR processing and map production.

Infrastructure Mapping and Autonomy was created out of the Heavy Industry of Civil Maps an industry-leading artificial intelligence company, providing LiDAR processing and feature extraction services. Our technology was first developed to meet the high accuracy, 3D mapping needs of the autonomous vehicle industry. IMA is now bringing this technology to the engineering and infrastructure industries.

Our technology allows us to scan, map and report on assets or asset areas at a rapid pace and affordable cost not possible before. Leveraging our proprietary artificial intelligence, patented cloud based processing technology, and global relationships for LiDAR collection and processing and quality control, we can generate data sets, models and change detection reports 10x faster than with traditional methods. By creating HD 3D maps in the earliest stages of projects, our clients are able to increase the NVP of projects by lowering the time to completion and reducing and deferring survey programs until the later stages of a project. Additionally, clients with existing assets to manage benefit from our centralized on-line business-to-business services to manage their rapid feature extraction and mapping programs. Eliminating the inefficient traditional personal to person sales and manual data handling processes. Our al-a-carte on-line tools allow asset owners to individually direct and manage their mapping projects, resulting in quicker turnaround times and lower costs overall.

**RFP Distribution**

URISA members, remember that URISA will distribute your RFP/RFQ announcements to our corporate and business members at no charge. Simply email your announcement to info@urisa.org (Subject: RFP Service) and we’ll send it right out for you!
MGP
701 Lee Street Suite 1020
Des Plaines, IL 60016
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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.

Planning Communities, LLC
9131 Anson Way, Suite 304
Raleigh, North Carolina 27615
919-803-6862 (Office)
919-882-1206 (Fax)
contactus@planningcommunities.com
ttownsend@planningcommunities.com
Planning Communities, LLC provides a wide range of multi-disciplinary planning services for local, state and federal agencies, tribal nations and community organizations. Community, transportation, environmental and GIS services include local/regional planning, visioning/ scenario planning, land use, socioeconomic, market and cost-benefit analysis, community asset mapping, tool/ application support and development, process improvement/ integration, consensus-building and facilitation.

Headquartered in Raleigh, North Carolina, Planning Communities has additional offices in Charlotte (NC) and Seattle (WA). Planning Communities is a North Carolina certified Small Professional Service Firm (SPSF) and is certified as a DBE in North Carolina, Tennessee, Florida and Delaware.

Solv3D, Inc.
Solv3D creates tools that enable people to effectively use large 3D point clouds and immersive imagery within their existing workflows. Using the 3DPointLogic™ toolkit, individuals can easily turn massive point clouds into manageable data sets. With the SiteVisit360™ collaborative platform, companies can merge 3D point cloud data, panoramic imagery and other photography, resulting in a virtual project environment, allowing them to more effectively leverage the value of their datasets for estimation, planning, design, and decision-making.

Spatial Relationships, LLC
800 Boylston St #990756
Boston MA 02199
(857) 400-8920
Contact:
Kathryn Brewer
James Armstrong
Spatial Relationships, LLC is a consulting firm that provides on-demand teams of expert Geospatial Professionals to ensure organizations have the capability to deliver on existing and future goals, manage business risk, and increase profitability.

Think of us as your geospatial concierge. Our “concierge services” provide resources and solutions for planned or abrupt disruptions as well as future projects. These can include:
• Being a key person down – planned leave or unexpected departure
• Technical requirements – fill skills, knowledge and training gaps
• Budget constraints – less than anticipated funds for the same scope of work
• Capacity constraints – completing urgent priorities for overbooked staff

Spatial Relationships, LLC was born out of the necessity to create new flexible and affordable ways to work that support organizations to manage ever-increasing demands as well as the need to support the community of Geospatial Professionals.

Welcome New Education Partner!
Brandman University
Brandman University is a private, non-profit regionally accredited institution that provides educational opportunities for working adults. There are over 25 campuses throughout California and Washington, and a virtual campus online. Undergraduate Certificate, GIS Use in Non-Profit Organizations - An innovative, problem-solving approach to learning and using GIS.

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February 25-28, 2019
2019 GIS/CAMA Technologies Conference
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