

IMAGIN

SPECIAL
POINTS OF
INTEREST:

- Thanks to all attendees, speakers, moderators, vendors, etc. for making the 2017 IMAGIN Conference a huge success!
- Volunteer with IMAGIN by joining one of our Teams today.

INSIDE
THIS ISSUE:

Feature Article	1-2
IMAGIN workshop	3
Conference Recap	3-5
Upcoming Events	6
Esri Conf. Highlights	7
Vendor Info	7

IMAGINews

SUMMER 2017



SEMCOG Supporting Career Development for Detroit's Youth

Have you seen young workers such as high school students or recent high school grads in your place of work? How about other workplaces you visit? Thanks to City of Detroit Mayor Mike Duggan's Grow Detroit's Young Talent program, SEMCOG has had the opportunity to employ such workers for the past three years. SEMCOG's participation in this summer jobs initiative, which exposes Detroiters aged 14-24 to the world of work through career exploration, career readiness, and career pathways, has been a wonderful experience for all involved.

Kathleen Lomako, SEMCOG's Executive Director says, "It is important for SEMCOG to support the GDYT because we know that talent is an essential component of Southeast Michigan's future economic growth, and we must all play a part in exposing young people to career opportunities as early as possible."

This year, more than 8,000 young people have worked with employers in fields such as government, utilities, manufacturing, construction and healthcare to grow their skills. Participants make important connections and learn about opportunities in career fields that match their interests and abilities. SEMCOG particularly wants to encourage future public administrators, regional and

urban planners, and civil engineers. Soft skills such as verbal and written communication are also important to stress the importance of communicating with our staff and member communities.

This year, we were excited to secure two students with technical skills in geographic information systems (GIS). These

students acquired GIS training through the GRACE Project (GIS Resources and Applications for Career Education), in partnership with Detroit Public Schools Community District.

(continued on page 2)

SEMCOG Planner Janet Mocado with **Cody Academy senior and GDYT intern Trejah Shines**



SEMCOG Supporting Career Development for Detroit's Youth

Scott Failla, SEMCOG's HR Manager says, "SEMCOG believes in developing young minds. Our GDYT participants get to perform real work under the watchful eyes of our professional staff. This provides a way to expose them to some of our work, and may help in the development of a future GIS professional."

They are using their technical skills to update SEMCOG maps and databases and enhance programs. They are learning

SEMCOG's Data Analysis group with updating Building Footprints. She appreciates the structured environment at SEMCOG and says, "People are really nice. SEMCOG provides a positive environment, and the work gets easier with time." She thinks more Detroiters should consider GDYT because "jobs provide structure."

Although Trejah, 16 got one of the highest SAT scores in her school, she has been

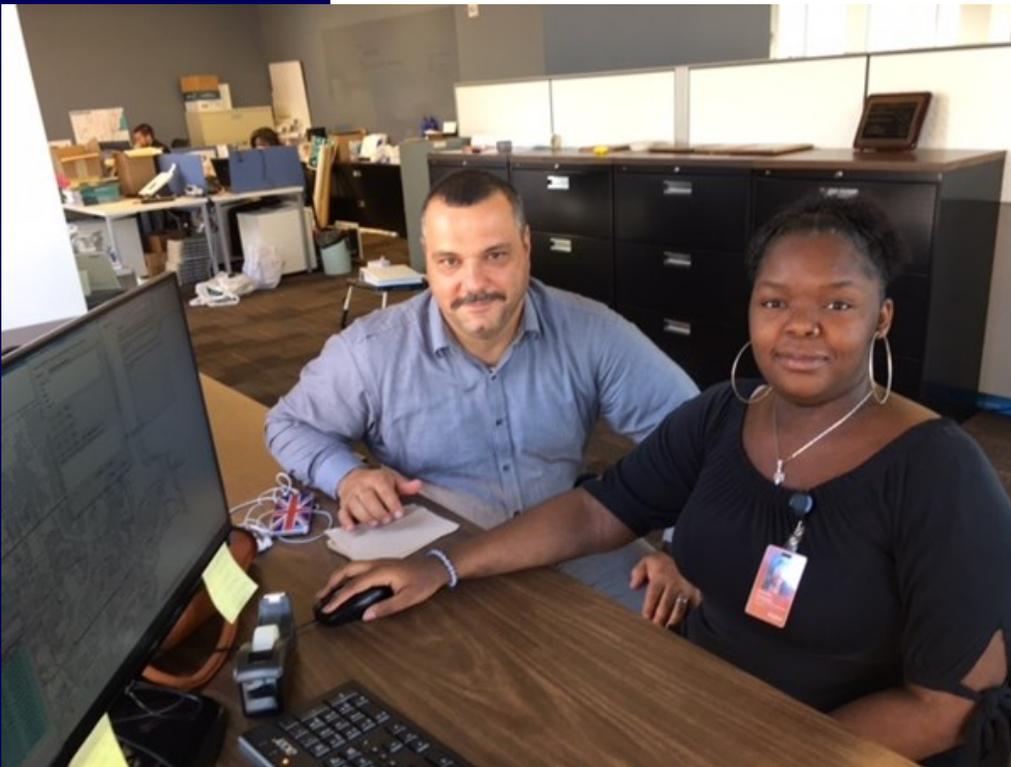
considering a career in IT based on her experience at SEMCOG this summer. With the help of her career counselors at Cody, she is hoping to attend Wayne State University after she graduates.

Jasmine Chatman, 18 just graduated from Mumford High School this summer. She is adding data to SEMCOG's new Traffic Volume maps. She says the work is detailed and very time consuming, but she has learned to use her time wisely because "five hours go quickly." She says she likes SEMCOG because "there is always someone to help if you need it."

She plans to begin a degree in Culinary Arts at Henry Ford College in the fall because cooking is her passion - especially comfort foods like pasta. Her long term career goals are to open a comfort food restaurant in Downtown Detroit and then many more in different locations. Her experience at SEMCOG has helped her get to know the region better.

SEMCOG appreciates the opportunity to help develop the region's future workforce. Although our interns may not choose to become planners or engineers, the work experience at SEMCOG provides some of the technical and workplace skills needed for future career success.

A version of this blog was posted on SEMCOG's website August 16, 2017.



SEMCOG Planner Chade Saghir with Jasmine Chatman, Mumford High School graduate and GDYT intern

about the broad range of SEMCOG's work by engaging both within the organization and at external meetings, which helps them to learn more about the region.

Trejah Shines is a senior at the Cody Academy of Public Leadership. She is helping

practicing for more than 200 hours so she can re-take it and get an even better score. Her favorite classes are math and chemistry, and she had been considering a career in immunology because "study of micro-organisms comes easily." However, she is also

IMAGIN's 2017 Annual Awards Recipients

IMAGIN Education Scholarship

IMAGIN awarded two Education Scholarships: one graduate scholarship and one undergraduate scholarship. Each scholarship is \$500. The Undergraduate Education Scholarship was awarded to Nicole Weston. Ms. Weston is a Junior at Central Michigan University. She is majoring in Environmental and Land Use Planning and GIS. Ms. Weston is also a GIS intern at Charlevoix County. The Graduate Education Scholarship was awarded to Charlotte Weinstein, a first year Master's degree student at University of Michigan School of Natural Resources and Environment. Ms. Weinstein's research focuses on Environmental Informatics.

IMAGIN Volunteer of the Year

Every year, IMAGIN recognizes an outstanding volunteer that has dedicated time to work on IMAGIN teams. The 2017 IMAGIN Volunteer of the Year was awarded to April Kibby, GIS Specialist at Wightan and Associates. Ms. Kibby was selected because of her participation on the IMAGIN Conference Team and the Social Planning Team. She has also helped plan a Meetup.

GIS for Everyone

The GIS for Everyone Award is presented to an organization that seeks to make GIS data or analysis accessible to other organizations and/or to the public. The 2017 GIS for Everyone was awarded to the City of Livonia Information Systems Department. The Information Systems Department implemented a local government information model (LGIM) and rebuild all of the online maps based on LGIM requirements. Dan Teodor accepted the award for the City of Livonia Information Systems Department.

GIS Innovation Award

The GIS innovation Award is presented to an organization that finds innovative ways to use geospatial solutions to enhance workflow processes. Candidates for this award should have successfully implemented a geospatial technology, service, or application that is new and innovative to their organization. Applicants are judged on collaborative efforts, contribution to the workflow, and original ideas. The 2017 IMAGIN GIS Innovation Award was presented to Dr. Sagar Deshpande, Assistant Professor at Ferris State University. Dr. Deshpande collaborated with Sanborn to develop a method to hydro-flatten LiDAR data.

Geospatial Achievement Award

The IMAGIN Geospatial Achievement Award honors an IMAGIN member for their dedication and commitment to the IMAGIN organization, its geospatial professionals, colleagues, member and the public that it serves. The 2017 Geospatial Achievement Award was presented to Dr. Andrew Brenner. Dr. Brenner completed a Ph D in Agroforestry and Microclimate. He worked at the University of Michigan School of Natural Resources and Environment Remote Sensing and GIS Research facility. He then worked in the private sector, and currently works at Quantum Spatial. He has been involved in IMAGIN since 1995; he served on the Board of Directors (2007 – 2016) and has been the Conference Team Chair (2010 – 2015). He has led IMAGIN Workshops and participated in conference tracks and education sessions.

Map Gallery Award recipients:

People's Choice Category—
Michigan's Most Beautiful Mile, Veterans Causeway Memorial Park; Muskegon, Michigan; Presented by Jamie Way, West Michigan Shoreline Regional Development Commission

Judge's Choice Category—
Fitzgerald Park Disc Golf; Eaton County Parks; Grand Ledge, Michigan; Presented by Jonathan Merrick, Eaton County GIS

Congratulations to you all!!

IMAGIN Workshop Series: Expand Your Audience through ArcGIS Online

The IMAGIN Workshop Series returns for the fall of 2017 with a hands-on workshop helping users connect to and administer an ArcGIS Online account. ArcGIS Online, a web mapping platform, provides a seamless process for sharing your authoritative Esri-formatted GIS content. Learn how to configure your ArcGIS Online for Organization account, create web maps and share them through web-responsive apps that work across all browsers and devices. Attendees will learn what ArcGIS Online is, how it fits into the ESRI platform, what capabilities it has, and receive step-by-step instruction on creating a web mapping application that can be shared with anyone.

Workshop Topics to be Covered:

- ArcGIS Online Organization Settings -
General System Overview / Credits / Maps / Groups / Utility Services / Security
- Data -
Organizing content / Registering ArcGIS web services / Uploading data to AGO / Utilizing Esri Content
- Authoring Web Maps -
Adding content / Layer settings / Configuring pop-ups / Sharing options

- Sharing Web Maps -
App templates / Web App Builder / Embedding into your website / Story Map Templates
- Tips & Tricks -
ArcGIS Online Assistant / Thumbnails

Registration & Workshop Information

Workshop Date:

Wednesday, October 25, 2017—9:00 AM to 1:00 PM

Workshop Location:

Lansing Community College, West Campus
5708 Cornerstone Drive
Lansing, Michigan

Workshop Instructors:

Jonathon Merrick of Eaton County and
Keri Blough of the City of Novi

Workshop Cost:

\$35.00 IMAGIN Members
\$50.00 Non-Members

For all the details, visit the Workshop Page from the IMAGIN Website at www.imagin.org/workshops

A huge
THANK YOU!
 to the entire
 Conference Team and
 our Volunteers
 for a job well done
Team Leads
 Chad Collins
 Brodey Hill
Team Members
 Pete Schneider
 Scott Ambs
 Diane O'Connell
 Caryn Ashbay
 Thomas Van Bruggen
 Janet Mocadlo
 April Kibby
 Jason Moore
 Kathleen Stack
 Scott Swan
 Lori Schultz
 Keri Blough
 Donovan Smith
 Terry Zahnser
 Sarah Merz
 Maryellen Jansen



An additional
THANK YOU!
 to our management
 team:
 Traci Riehl
 Maryellen Jansen
 Debbie Quintieri
 for making sure
 everything ran smoothly

IMAGIN 2017 Annual Conference Wrap-up

The 2017 IMAGIN Conference is officially in the books! Building on the momentum of the past few conferences we continued to grow in both quantity and quality. Some risks were taken this year with new social activities, a new location, a mobile conference app, and an unconventional keynote speaker. The weather cooperated and we ended up with one very successful event in beautiful downtown Traverse City! Attendance numbers were up to well over 170 people this year, and we had 37 great presentations plus 2 amazing keynotes! We welcomed the Michigan State Police's Homeland Security Division to IMAGIN on Monday morning, kicking off the conference with their keynote address. Chris Treter, from Higher Grounds Coffee, captivated the crowd at the following Tuesday morning keynote with stories about his fair sourced

coffee adventures from war torn areas throughout Africa and Central/South America.

Thanks to YOU, the silent auction raised \$1075 for IMAGIN's student scholarship fund.

This year's social activities were epic, of course...

The Sunday afternoon wine and beer trip was filled to capacity for the third year in a row. Attendees headed up the Leelanau Peninsula with stops at Hop Lot Brewing Co and Ciccone Winery, followed by a wood fired pizza dinner outside on the Railroad tracks at The Filling Station. In a new twist on Monday evening, droves of conference attendees wandered around downtown Traverse City chasing Poker Stops and collecting cards on our inaugural Poker Run! We ended both evenings with a beautiful birds-eye view of downtown from the Top of the Park.

The IMAGIN Board would like to thank all of the attendees, members, sponsors and vendors that came together to make #IMAGIN2017 such a success. We'd also like to give a special thanks to Mother Nature, for providing us with darn near perfect weather throughout our 3 days in Traverse City!

#IMAGIN2018 planning has already begun. We will be back in downtown Traverse City, at the Park Place Hotel's brand new Conference Center (keeping our fingers crossed it's completed in time!). Mark your calendars for June 17-19, 2018. We'll meet you at 44°45'45.4"N +85°37'04.1"W that Sunday afternoon!

*Be sure to watch for more details by following us on Facebook www.facebook.com/IMAGIN.GIS.MI/ and Twitter @IMAGIN_mich.

Gold Sponsors:



Silver Sponsors:



Conference/Event Sponsors:



IMAGIN 2017 Annual Conference in Pictures





Meet an IMAGIN Member; Robert Herman

Robert Herman is the new GIS Analyst in the Leelanau County Equalization Department, and he has been with the County since April, 2017. He's the Yooper of the office, and he grew up in Negaunee before attending Central Michigan University where he obtained a Bachelor of Science degree in both GIS and Biology.

His professional GIS work experience includes three years as a GIS Technician for the Grand Traverse County Equalization Department, and three years as a GIS Specialist for Western Land Services; an oil and gas company based in Ludington.

Rob is a Michigan Certified Assessing Technician (MCAT), and his passions for mapping and nature have provided him with some unique work opportunities. He recently had the chance to camp overnight on Power Island in Grand Traverse Bay where he mapped all of the trails using a handheld GPS. He then used the data to create trail maps for the Grand Traverse Parks and Rec Department. (see map at right)

Rob is excited to put his GIS experiences to good use for Leelanau County, and one of his early goals is to implement the ESRI Local

Government Information Model to streamline and increase the accuracy of the County tax maps.

Rob lives in Traverse City with his wife, Claire, and they enjoy the company of their golden retriever, Bear.



Upcoming Events

- September 21, 2017—IMAGIN fall Meet-Ups, held throughout the state
- September 27-29, 2017—MiCAMP Annual Conference
- October 3, 2017—Esri Northern MI User Group meeting at the Grand Traverse Regional Land Conservancy in Traverse City, MI
- October 13, 2017—IMAGIN Board of Directors Meeting (teleconference)
- October 23-26, 2017—GIS Pro 2017: URISA's 55th Annual Conference in Jacksonville, FL
- October 25, 2017—IMAGIN Workshop, Lansing Community College
- November 3, 2017—IMAGIN Board of Directors Meeting (Face-to-face, Mt. Pleasant City Hall)
- November 15, 2017—GIS Day!
- November 18, 2016—IMAGIN Board of Directors Meeting (teleconference)
- December 8, 2017—IMAGIN Board of Directors Meeting (teleconference)
- January 12, 2018—IMAGIN Board of Directors Meeting (teleconference)

Have an upcoming GIS related event you want to advertise? Send the date, time, and place to communication@imagin.org

Highlights from the 2017 ESRI Conference

Citizens and governments can become a Waze partner through their Connected Citizens Program (www.waze.com/ccp). Partners can share data with Waze to help their users navigate around traffic issues related to special events or construction projects. Some partners have been analyzing Waze traffic patterns in their community to improve signal timing, suggest alternative routes, and provide proactive traffic response as Waze users report roadway incidents approximately 8 minutes faster than the same problem is reported to 9-1-1.

The Public Notification app is being re-written as a Web AppBuilder widget. Expect the new widget near the end of 2017.

Utility Network for ArcGIS has been redesigned to provide utility customers with the ability to model, edit and analyze complex networks using all Esri platform clients (<http://www.esri.com/esri-news/arcnews/spring17/articles/introducing-utility-network-for-arcgis>). The Utility Network includes a new model, enhanced editing through ArcGIS Pro, attribute rules, utility network server completes geoprocessing tasks such as traces and returns the results to Pro, and a web GIS versioning model through service endpoints.

A future release of ArcGIS Online will include:

- Vector tile download to use basemap offline
- Data clustering in web map
- Metadata flow across the platform for hosted and referenced layers

- Improved experience for editing data
- Group layer support
- New pop-ups
- Organization-level symbols groups
- Advanced status reporting

A few story maps to inspire our members:

- Story Map Cascade – World Wildlife Fund Mekong Water Stories:
<http://panda.maps.arcgis.com/apps/Cascade/index.html?appid=aa1c5e20791048f8832efa77fb15a3c8>
- Story Map Journal – Nature Conservancy Ancon Fishing:
<https://tnc.maps.arcgis.com/apps/MapJournal/index.html?appid=0e99d43e82304b00bf30d2f47478a4b3>
- Embedded Story Maps – George Washington’s Mount Vernon:
<http://mountvernon.maps.arcgis.com/apps/MapJournal/index.html?appid=3ca8ba42c90a41d39df64b9cd4f25f58>
- Use a Story Map as an Annual Report – Canal & River Trust UK:
<https://canalrivertrust.maps.arcgis.com/apps/Cascade/index.html?appid=f9347d20313f48e2a0d689de3f4998d3>
- Story Map Crowdsourcing – Association of Conservation Photographers:
<https://conservationphotographers.org/1f4n/>

Vendor Advertising Opportunity

Would you like to advertise your business or agency in our newsletter? IMAGIN will continue publishing their printed newsletter (IMAGINews) on a quarterly basis. Take advantage of the opportunity to reach all of its members for a minimal fee. Right now you can get a business card-sized ad for \$75 per issue or \$200 for 4 issues. If you purchase 4 issues worth of ads

at one time you will also be eligible for a half page Vendor Spotlight article (on a first-come, first-served rotation), where you can highlight anything related to your business.

To purchase an ad or for more information please contact the IMAGIN Communication Team at communication@imagin.org



IMAGIN, Inc.
416 South Cedar St., Suite C
Lansing, MI 48912
www.imagin.org
Phone: (517) 338-3035 x709
Fax: (866) 298-2115

Business Card-sized ads will be a similar size to the above (about 1/8 of a page) and of your own design.



IMAGIN, Inc.

416 S. Cedar St. Suite C
Lansing, MI 48912

Phone: 517.338.3035 x709

Fax: 866.298.2115

E-mail: info@imagin.org

Twitter: [@IMAGIN_mich](https://twitter.com/IMAGIN_mich)



IMAGIN, Inc.

416 S. Cedar St. Suite C
Lansing, MI 48912



www.imagin.org

Phone: 517.338.3035 x709

Fax: 866.298.2115

E-mail: info@imagin.org

**Improving Michigan's Access to
Geographic Information Networks**

Thomas VanBruggen, *IMAGIN President & Coeditor*
Sarah Merz, *IMAGIN Vice President, Communications
Team Lead, and Coeditor*
Lori Schultz, *Coeditor*
Maryellen Jansen, *Coeditor*
Brodey Hill, *Coeditor*
Andrew Giguere, *Coeditor*

SUMMER 2017

IMAGIN is a non-profit professional development organization committed to providing opportunities for its members to network with professionals who are using, creating, or maintaining spatial resources within Michigan. IMAGIN serves as a crossroads for spatial information users/developers at all levels of government, business, and non-profit organizations by providing its members partnership opportunities to recognize, share, and create spatial data resources for both traditional and new applications.

IMAGINews publishes original, timely, and innovative articles and news items that advance knowledge regarding GIS, related technologies, and their use within Michigan. IMAGINews welcomes submissions from IMAGIN members and others. Please send article submissions in Microsoft Word format to communication@imagin.org.

Contents © 2015 IMAGIN. All rights reserved.

Opinions and positions expressed by columnists and contributors are not necessarily those of IMAGIN, its officers, employees, or the editors and publisher of IMAGINews.