WAURISA 2017

Washington GIS Conference
May 15-18th

Greater Tacoma Convention and Trade Center

Schedule at a Glance

Monday	Tuesday	Wednesday	Thursday
7:30 - 9:00 **Registration**	7:30 - 9:00 **Registration**	8:00 - 4:00 **Registration**	8:00 - 1:00 **Registration**
8:30 - 12:00 **Morning Workshops**	8:30 - 12:00 **Morning Workshops**	7:00 - 8:30 **Women in GIS Breakfast @ Bite in The Hotel Murano**	6:30 - 8:00 **Fun Run**
		9:00 - 10:15 **Opening Plenary Keynote: Monica Stephens, PhD**	8:30 - 10:00 **Presentations**
		10:15 - 10:30 **Break**	10:00 - 10:30 **Break**
		10:30 - 12:00 **Presentations**	10:30 - 12:00 **Presentations**
12:00 - 1:30 **Lunch (On Your Own)**	12:00 - 1:30 **Lunch (On Your Own)**	12:00 - 1:00 **Buffet Lunch (Provided)**	12:00 - 1:15 **Box Lunch (Provided) WAURISA Member Meeting**
1:30 - 5:00 **Afternoon Workshops**	1:30 - 5:00 **Afternoon Workshops**	1:00 - 2:30 **Presentations**	1:30 - 3:00 **Presentations**
		2:30 - 3:00 **Break**	3:15 - 4:00 **Closing Plenary**
		3:00 - 4:30 **Presentations**	
		4:30 - 6:00 **Exhibitor Social**	
	6:00 - 8:00 **Social @ Steel Creek American Whiskey Co.**	6:30 - 8:30 **Social @ Washington State History Museum**	

ESRI Hands-On Learning Lab 10:30-4:30

ESRI Hands-on Learning Lab 8:30-3:00

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President's Message

Joshua Greenberg

A warm welcome to the 2017 Washington GIS Conference in Tacoma. Through the hard work and dedication of our volunteers we have put together a wonderful event that should provide something for everyone. I personally look forward to this conference every year since it is unique in so many aspects. A local event such as this one not only provides education, motivation, and insight, but also helps connect us with other GIS and geospatial professionals users in our region. I would like to recognize the great job Sarah Myers and the Conference Committee have done to make this a top notch event. We hope you enjoy the conference and also consider becoming more involved with WAURISA in the coming year!

Opening Plenary

Welcome – Joshua Greenberg
Conference Announcements - Joshua Greenberg
Keynote – Monica Stephens, PhD.
Presentation of Appreciation – Joshua Greenberg

Monica Stephens, PhD.
Assistant Professor, University at Buffalo (SUNY)

Layers of Social Change: Gender and Geographic Information

Monica Stephens, PhD.

As the medium of the map has changed, the data and society reflected in the map have evolved. Geographic information is now almost ubiquitous in mobile phones and online repositories, but that information is not created. Some demographics have contributed more and the corpus of crowdsourced information (Wikipedia, Google, OpenStreetMap) is reflective of those perspectives. Many of the maps used in everyday life simultaneously maintain and reproduce race, class, and gender biases. This talk will discuss these social, spatial, and gender biases in geospatial data and how social change can happen online through democratic processes. It will also reflect on the role of municipal open data in social processes.

Washington Local Government GIS Leaders' Summit
Tuesday 8:30 a.m-.5:00 pm
All too often city and county GIS managers have to make decisions while isolated from their peers from across the state. The purpose of this session is to break down those silos to better support our local GIS managers and leaders in their work goals. The Washington local Government GIS Leaders (WGGL) is a new WAURISA Special Interest Group (SIG).

This full day session will have presentations addressing the issues faced by GIS managers. Additionally, discussions and workgroup breakouts will provide attendees time to give feedback about problems they face, solutions they've created, and suggestions to help direct the future of WGGL activities.

Lee Johnston Jr. – Managing for the future of GIS - ESRI Western sales manager for local government agencies

Joy Paulus - Looking toward State coordination and support solutions - WA Geospatial Policy & Program Manager

Charlie Spear - How we improve our service: metrics, governance and SLAs - City GIS Coordinator; Seattle IT

Greg Babinski – How do we compare ourselves and share our solutions - King County GIS

Welcome Social
Tuesday 6:00 pm - 8:00 pm
Whether you are finishing a day of our workshops or just arriving for the conference, come join us for some time to reacquaint with your GIS colleagues. **Steel Creek American Whiskey Co.** 1114 Broadway, Tacoma, WA 98402

Women in GIS Breakfast
Wednesday 7:00 am - 8:30 am
We are pleased to announce on **Wednesday, May 17** the 4th annual Women in GIS breakfast will be happening at the **Bite in the Hotel Murano at 7:00 am**
Besides great food, this is an informal chance to network and make friends with other women in our field. Reservations are required.

Exhibitor Social
Wednesday 4:30 pm - 6:30 pm
Come hang out with the Conference's exhibitors at the Exhibitor Social. Get your "Exhibitor Passport" stamped for a chance to win prizes. Visit with your colleagues, check out the posters and vote for your favorite!

ESRI Hands-On Learning Lab
Wednesday 10:30 am - 4:30 pm
Thursday 8:30 am - 3:00 pm
The HOLL (Hands-On Learning Lab) is a training resource provided and developed by Esri Training Services. The lab is an excellent way to introduce ArcGIS® software users to a variety of Esri® solutions and

training opportunities while learning to use Esri software. The HOLL consists of a group of laptops with headphones where

students can work through lessons at their own pace. A lesson consists of a recorded presentation followed by a hands-on exercise. Each lesson typically takes from about 45 minutes to one hour to complete, and students can generally come and go as they please. Training Services instructors are on hand to answer questions and discuss Esri products, other training opportunities, and Esri Technical Certification.

WAURISA Member Meeting
Thursday 12:00 pm - 1:15 pm
Location: Room 316

Join us for the Leadership Meeting during lunch on Wednesday – everyone is welcome and encouraged to attend! The WAURISA board will share a brief overview of what WAURISA is about and highlight some of our success during the past year. We'll then open the floor up for discussion and feedback from you – our WAURISA members. We're very interested in hearing your ideas for improving WAURISA's relevance for you and your professional development.

Unofficial Fun Run
Wednesday 6:30 am - 7:30 am
Location: Meet outside conference facility

Feeling energetic? Our annual 5K Fun Run/Walk is the perfect early morning networking

event! Meet your fellow running enthusiasts at 6:00 am in the hotel lobby for a leisurely 5K jog along the water and Downtown Tacoma. Then head to breakfast to replace all of those calories you burned! All paces and abilities are welcome to run with us!

Evening Social Event
Wednesday 6:30 pm - 9:30 pm
Location: Washington State History Museum 1911 Pacific Avenue, Tacoma

This year the conference social is at the **Washington State History Museum.** Join us for a unique opportunity to socialize and eat good food while wandering the permanent exhibits with friends and new acquaintances.

WASHINGTON STATE HISTORICAL SOCIETY

Summit Award

The Summit Award is given to the Washington State GIS Person of the Year. The Summit Award is presented during the annual WAURISA Conference for the highest contributions to the Washington State GIS Community by an individual over the course of his or her professional GIS career. Selection criteria can be found on the WAURISA Conference Webpage under GIS Person of the Year.

Special Events

Dick Thomas Award

The Richard 'Dick' Thomas Memorial Student Presentation Competition and Award was established to honor Washington State GIS pioneer and mentor Richard 'Dick' Thomas, who passed away in 2006. The objective of the Competition & Award is to inspire students to present their original work related to GIS, geography, or geographic research at the annual Washington GIS Conference. The intent of this award is to honor Dick by continuing his work of encouraging students to excel in their studies and to transition successfully into careers in the field of GIS.

Poster Contest - Go Vote!

Please take some time to view the maps and cast your vote for the best maps using the ballot included with your conference program. **Return your ballots by noon on Thursday, May 18**, to the ballot box located at the registration desk.

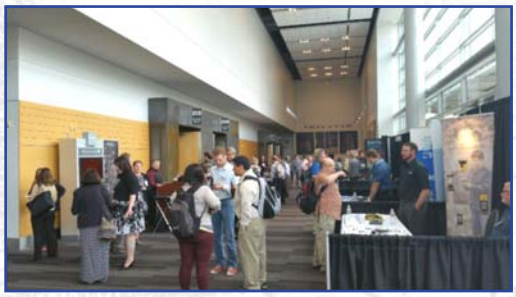

Photo: Jennifer Titus

Conference Sponsors

WAURISA Board

Board of Directors 2016 - 2017

President	Joshua Greenberg	Skagit County
Vice-President	Ian Von Essen	Spokane County
Secretary	Sarah Myers	Peninsula Light Co.
Treasurer	Don Burdick	Salish Coast Sciences, LLC
Past President:	Heather Glock	ESRI
Member At-Large	Cort Daniel	Pierce County
Member At-Large	Jacob Tully	Swinomish Indian Tribal Community
Member At-Large	Joy Paulus	State of Washington
Member At-Large	David Wallis	Cowlitz County
Member At-Large	Kerri O'Connor	ESM Consulting Engineers
Member At-Large	Anna Yost	City of SeaTac

Closing Plenary

Location: Ballroom
3:15 pm – 4:00 pm
Stick around to meet your new board members, have a chance to win a prize from the vendor passport and hear **who won the poster contest.** We will also be congratulating our **Summit Award and Dick Thomas Award winners.**

WAURISA Conference Committee

Conference Chair	Sarah Myers
Program Coordinator	Steve Schunzel/ Lisa Stapleton
Workshop Coordinator	Joshua Greenberg/Don Burdick
Vendors Coordinator	Heather Glock
Finance & Registration	Don Burdick
Conference Booklet	Michael August/ Christina Chelf
Sched	Ann Stark
Marketing	Joanne Markert/Amanda Taub
Website	Cort Daniel
Volunteer Coordination	Kerri O'Connor
Poster Contest	Kerri O'Connor
Dick Thomas Award	Anna Yost
Social Events	Christina Chelf/ Joshua Greenberg
Nominations	Ian Von Essen

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8:30-12:00 Morning Workshops
12:00-1:30 Lunch on Your Own
1:30-5:00 Afternoon Workshops

Tuesday - May 16th

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Rapid Cartography with QGIS
Speaker: Evan Derickson
Location: Hotel Murano - Burano

Asset Management: Planning, Strategy, and Implementation (URISA CERTIFIED)
Speaker: Allen Ibaugh
Location: Hotel Murano - Torcello

Working with Geodatabases and Linear Referencing
Speaker: John Schaeffer
Location: Hotel Murano- Cavallino

Practical Python for the GIS Analyst
Speaker: Ann Stark
Location: Conference Center - Room 315

ESRI Survey123 for ArcGIS
Speaker: Shane Clarke
Location: Conference Center - Room 316

12:00 - 1:30 pm Lunch on Your Own

Geosimulation and Agent Based Modeling
Speaker: Eugene Martin
Location: Hotel Murano - Burano

Asset Management: Planning, Strategy, and Implementation (URISA CERTIFIED)
Speaker: Allen Ibaugh
Location: Hotel Murano - Torcello

Working with Geodatabases and Linear Referencing
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Washington Local Government GIS Leaders - WGGL
Speaker: Joshua Greenberg
Location: Hotel Murano - Torcello

Working with Geodatabases and Linear Referencing
Speaker: John Schaeffer
Location: Hotel Murano- Cavallino

Drone and UAV: From start to finish
Speaker: Jim Lahm
Location: Conference Center - Room 315

GeoPlanner for ArcGIS
Speaker: John Sharrard
Location: Conference Center - Room 316

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Moderator: Joshua Greenberg
Location: Hotel Murano - Torcello

Working with Geodatabases and Linear Referencing
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Location: Hotel Murano- Cavallino

Drone and UAV: From start to finish
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Location: Conference Center - Room 315

ArcGIS Pro
Speaker: John Sharrad
Location: Conference Center - Room 316

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Opening Plenary
9:00 am - 10:15 am

From FTP to Map Services
Speaker: Becca Blackman
10:30 am - 11:00 am
Location: Room 316

Using Survey 123 for Water Quality Samples
Speakers: Andy Simpson, Mary Hasty
10:30 am - 11:30 am
Location: Room 315

Lightning Talks
Speakers: Brenda Elder, Elisabeth Leaf, Trevelyn Lough, Johnny Mauger, Mike Murnane, Melissa Rosa
10:30 am - 12:00 pm
Location: Room 317

What's New in ArcGIS v10.5
Speaker: John Sharrard
10:30 am - 12:00 pm
Location: Room 318

Vector Vogue: Styling Vector Basemaps to Suit Your Needs
Speaker: Kate Leroux
11:00 am - 11:45 am
Location: Room 316

Lessons Learned Designing a Wetland Mobile Tool
Speaker: Maki Dalzell
11:30 am - 11:45 am
Location: Room 315

Mobile Water Shut-Off Application - Four Year Update
Speaker: Ann Stark
11:45 am - 12:00 pm
Location: Room 315

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Creating Safe Walk Routes to Schools for Washington Kids
Speaker: Cathy Walker
1:00 pm - 1:15 pm
Location: Room 315

Going Vector: Transitioning from Raster to Vector Basemaps
Speaker: Kate Leroux
1:00 pm - 2:00 pm
Location: Room 316

Engaging Users with GIS
Speakers: Maria Sevier, Joanne Markert, Tonya Kauhi
1:00 pm - 2:30 pm
Location: Room 317

Spatial Analysis with ArcGIS Online
Speaker: Shane Clarke
1:00 pm - 2:30 pm
Location: Room 318

Putting Dunder Mifflin Out of Business
Speaker: Keith Burdette
1:15 pm - 1:45 pm
Location: Room 315

Moving Water Records from Physical to Digital
Speaker: Elaine Eberly
1:45 pm - 2:30 pm
Location: Room 315

Using Open Source Tools to Create Vector Tile Basemaps
Speaker: Peter Keum
2:00 pm - 2:30 pm
Location: Room 316

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Land Segregation in Washington
Speaker: Allen Grissom
3:00 pm - 3:30 pm
Location: Room 315

Holographic Technology Ready to Take GIS Apps to the Next Level
Speaker: Alec Pestov
3:00 pm - 3:45 pm
Location: Room 316

Innovative Analysis with ArcGIS: A Collection of 5 Minute Presentations
Speaker: Heather Glock
3:00 pm - 3:45 pm
Location: Room 318

UW Tacoma Student Presentations
Speakers: Kevin Bogue, Amy Boucher, Gila Burton-Curl, Whitney Emge, Janelle Kueck, Anna McDermott, April O'Donnell, Emily Pitman, Eric Sievers, Chris Vandenberg, Mattie J. Wheeler
3:00 pm - 4:30 pm
Location: Room 317

Presenting Survey Monuments in GIS: Like Chocolate & Peanut Butter
Speakers: Ann Stark, Sonja Prince
3:30 pm - 4:00 pm
Location: Room 315

Boldly Going Where No Data Has Gone Before - Auburn Drone Program
Speaker: Alice Pence
3:45 pm - 4:30 pm
Location: Room 316

King County Regional Services - GIS, E911 and so Much More
Speaker: Greg Babinski
3:45 pm - 4:30 pm
Location: Room 318

How GPS Valve Inventory Resulted in More Accurate Water Mains
Speaker: Rick Lortz
4:00 pm - 4:15 pm
Location: Room 315

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Introduction to Lidar Workflows with PDAL
Speaker: Michael Rosen
8:30 am - 9:00 am
Location: Room 316

Septic Mapping & Using GIS to Leverage an Antiquated Tabular Database
Speaker: Kelly Alfaro Haugen
8:30 am - 9:00 am
Location: Room 315

Asset Management
Speaker: Marcus Glass
8:30 am - 9:00 am
Location: Room 318

Dick Thomas Award Presentations Part 1
Speakers: Sam Bartish, Veronica Fusco, Nicholas Kunz, Ting-Jen Lin, Lisa Scheurer, Sultana Shah
8:30 am - 10:00 am
Location: Room 317

Lidar & Geologic Information Portal - Updates from the WA Geological Survey
Speaker: Abigail Gleason
9:00 am - 9:30 am
Location: Room 316

Web GIS-Centric Apps for Public Asset Management
Speakers: Hyrum Kruger, Tim Moore, Brett Ruoti
9:00 am - 9:30 am
Location: Room 318

Creating & Maintaining High Quality GIS Data
Speakers: Steve Pietzke, Andy Simpson
9:00 am - 10:00 am
Location: Room 315

Tsunami Inundation Mapping Using Videos of NOAA's Seattle Fault
Speaker: Gi-Choul Ahn
9:30 am - 10:00 am
Location: Room 316

Pictometry Deployment Options and Tips for GIS Success
Speaker: Paul Canizaro
9:30 am - 10:00 am
Location: Room 318

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Thursday - May 18th

8:30-10:00 Early Morning Sessions
10:30-12:00 Late Morning Sessions
12:00-1:15 Box Lunch (Provided)
1:30-3:00 Early Afternoon Sessions
3:15-4:00 Closing Plenary

Advantages of Spatially Tracking Enterprise Data Using Building Outlines
Speaker: Joshua Greenberg
10:30 am - 11:00 am
Location: Room 315

Tacoma's Street Sign Inventory App
Speaker: Chris James
10:30 am - 11:00 am
Location: Room 316

An Introduction to Geocortex and Building Powerful ESRI WebGIS Applications
Speaker: James Van Dyk
10:30 am - 11:15 am
Location: Room 318

Dick Thomas Award Presentations Part 2
Speakers: Floyd Bull, Christina Chelf, Trinity Turner, Caleb Valko
10:30 am - 12:00 pm
Location: Room 317

Field Data Collection with Collector
Speaker: Harkeerat Kang
11:00 am - 11:30 am
Location: Room 316

Modernizing Jefferson County GIS
Speakers: Doug Noltemeier,
Kendis Scharenbroich, Charlotte Stockard
11:00 am - 11:30 am
Location: Room 315

A Deep Dive Into the AWC GIS Consortium: what's in it for you
Speakers: Grant Herbert, John McKenzie,
Tyler Vick
11:15 am - 11:45am Location: Room 318

A Model for Stormwater Best Practices
Speaker: Heath Brackett
11:30 am - 12:00 pm
Location: Room 315

Web App to Inform the Public of Regulation Changes
Speaker: Aaron Petersen
11:30 am - 12:00 pm
Location: Room 316

12:00 pm – 1:15 pm Box Lunch (Provided)
WAURISA Member Meeting
12:00 pm - 1:15 pm
Location: Room 316

Monday - May 15th
8:30-12:00 Morning Workshops
12:00-1:30 Lunch on Your Own
1:30-5:00 Afternoon Workshops

Tuesday - May 16th
8:30-12:00 Morning Workshops
12:00-1:30 Lunch on Your Own
1:30-5:00 Afternoon Workshops
6:00-8:00 Welcome Social

Wednesday - May 17th
9:00-10:15 Opening Plenary
10:30-12:00 Late Morning Sessions
12:00-1:00 Buffet Lunch (Provided)
1:00-2:30 Early Afternoon Sessions
3:00-4:30-Late Afternoon Sessions
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3:15-4:00 Closing Plenary

Adventures with the Enterprise Geodatabase
Speaker: Steve Schunzel
1:30 pm - 2:00 pm
Location: Room 318

Customizing WebAppBuilder Widgets
Speaker: Yunsik Choi
1:30 pm - 2:00 pm
Location: Room 315

Spatial Decision Support for Active Transportation Planning
Speakers: Bill Levings, Philip Murphy
1:30 pm - 2:00 pm
Location: Room 316

Breaking out of the Mold
Speaker: David B Johnson, Nic Naccarato
1:30 pm - 2:30 pm
Location: Room 317

Using GIS to Build Smarter Communities in Washington
Beth Carpenter, Grant Herbert,
John McKenzie, Tyler Vick
2:00 pm - 3:00 pm
Location: Room 316

Enterprise GIS for Asset Management
Speaker: Arnab Bhowmick
2:00 pm - 3:00 pm
Location: Room 318

Using Survey 123 in the Tacoma Homeless Outreach Program
Speaker: Jim Lahm, James Pogue
2:00 pm - 3:00 pm
Location: Room 315

The Points, Lines and Polygons of a Life: Using AGO for a Family History Project
Speaker: Greg Babinski
2:30 pm - 3:00 pm
Location: Room 317

3:15pm – 4:00 pm Closing Plenary

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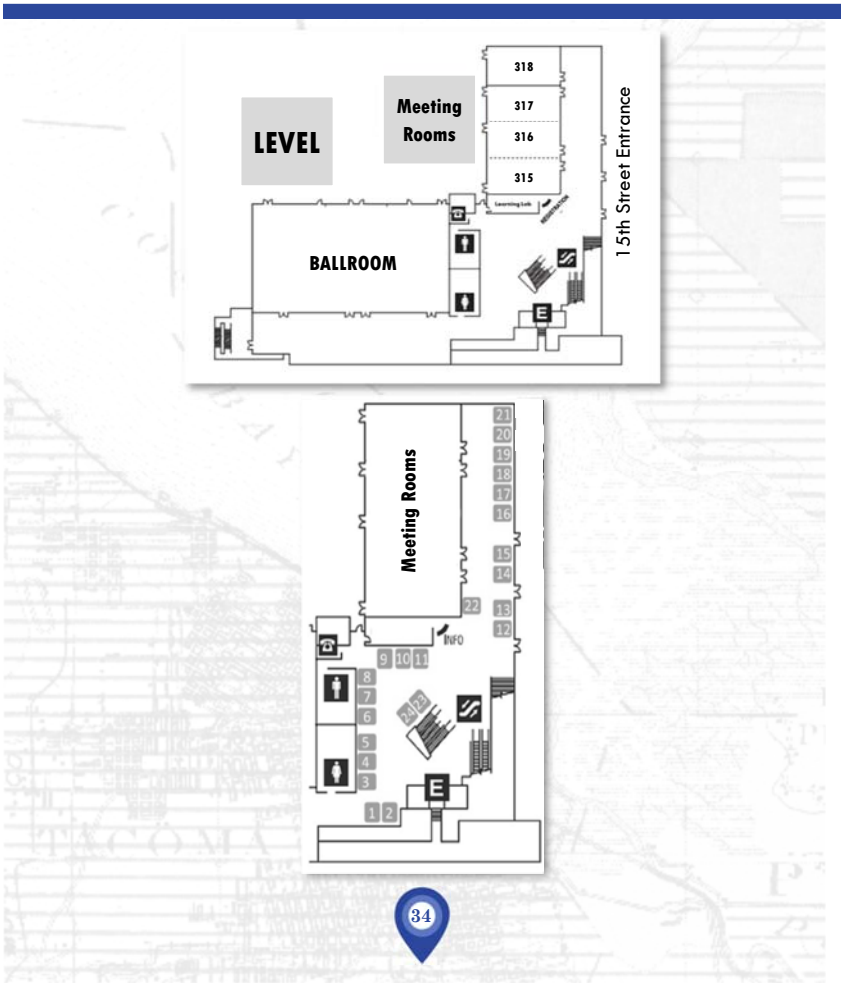
Facility Map



Location Map

TUESDAY

Steel Creek
1114 Broadway
6:30 pm

HOTEL

Hotel Murano
1320 Broadway
Plaza

WEDNESDAY

Washington State
History Museum
1911 Pacific Avenue

CONVENTION CTR

Tacoma
Convention Center
1500 Broadway

Check out the detailed schedule with the new app from Sched.org!

#WAGIS17

WAURISA 2017