

FALL CONFERENCE

October 20 - October 23, 2019
Sunday River Resort ■ Newry, ME

SCHEDULE AT-A-GLANCE

SUNDAY, OCTOBER 20		
8:00am – 4:00pm	GIS Educators Day	Ballroom, Simonds/Whittier
8:00am – 5:00pm	Conference Registration Desk Open	Simonds/Whittier Hallway
12:00pm – 5:00pm	Vendor Set-up	South Wing Lobby and Exhibit Causeway
5:00pm – 7:30pm	Welcome Mixer: A Day in the Life of a Maine Guide	Moonstruck Deck
MONDAY, OCTOBER 21		
7:30am - 9:00am	Attendee & Vendor Breakfast	Ballroom
7:30am – 11:30am	Vendor Set-up	South Wing Lobby and Exhibit Causeway
7:30am – 5:00pm	Conference Registration Desk Open	Simonds/Whittier Hallway
8:00am – 8:30am	NEARC 101: Orientation for First-Time Attendees	Ketchum
8:00am – 8:30am	Moderator 101: Orientation for First-Time Moderators	Whittier
8:45am – 10:15am	Welcome from the Host Committee & Keynote Address “Disruption, ArcGIS and Land Administration” by Brent Jones	Ballroom
10:15am – 10:30am	Refreshment Break <i>Sponsored by CAI Technologies</i>	South Wing Lobby and Exhibit Causeway
10:30am – 12:00pm	Concurrent Presentations	See grid for details
10:30am – 4:15pm	Esri Collaboration Center	The Notch
10:30am – 4:15pm	Esri Hands-On Learning Lab	Grafton
11:30am – 6:15pm	Vendor Area Open	South Wing Lobby and Exhibit Causeway
12:00pm – 1:30pm	Attendee & Vendor Lunch <i>Sponsored by Lloyd’s Register</i>	Ballroom
12:00pm – 1:30pm	Maine GIS Users Group (MEGUG) Meeting	TBD
12:00pm – 4:00pm	Poster Set-up	Ballroom
1:30pm – 3:00pm	Concurrent Presentations	See grid for details
3:00pm – 3:15pm	Refreshment Break with Vendors <i>Sponsored by Quantum Spatial, Inc.</i>	South Wing Lobby and Exhibit Causeway
3:15pm – 4:15pm	Annual NEARC Business Meeting	Ballroom
4:15pm – 6:15pm	Vendor Reception & Poster Social <i>Sponsored by Blue Marble Geographics</i>	South Wing Lobby and Exhibit Causeway
6:30pm – 8:30pm	Dine Around in Downtown	Offsite

TUESDAY, OCTOBER 22

7:30am – 9:00am	Attendee & Vendor Breakfast <i>Sponsored by Kucera International, Inc.</i>	Ballroom
7:30am – 1:30pm	Vendor Area Open	South Wing Lobby and Exhibit Causeway
7:30am – 5:00pm	Conference Registration Desk Open	Simonds/Whittier Hallway
8:30am – 10:00am	Concurrent Presentations	See grid for details
8:30am – 5:00pm	Esri Collaboration Center	The Notch
8:30am – 5:00pm	Esri Hands-On Learning Lab	Grafton
10:00am – 10:30am	Refreshment Break with Vendors <i>Sponsored by Keystone Precision Instruments</i>	South Wing Lobby and Exhibit Causeway
10:30am – 12:00pm	Concurrent Presentations	See grid for details
12:00pm – 1:30pm	Attendee & Vendor Lunch <i>Sponsored by VHB</i>	Ballroom
1:30pm	Vendor Area Closes	South Wing Lobby and Exhibit Causeway
1:30pm – 3:00pm	Concurrent Presentations	See grid for details
3:00pm – 3:30pm	Refreshment Break <i>Sponsored by Unity College</i>	South Wing Lobby and Exhibit Causeway
3:30pm – 5:00pm	Concurrent Presentations	See grid for details
4:45pm	NEARC Board Election Ballots Due to Registration	Simonds/Whittier Hallway
5:30pm – 6:30pm	Pre-Banquet Networking Reception	South Wing Lobby and Exhibit Causeway
6:30pm – 8:30pm	Awards Dinner & Keynote Address “The Role of GIS in Reestablishing Puffins and Other Seabirds to Maine Islands” by Richard Harris Podolsky <i>Sponsored by Esri</i>	Ballroom

WEDNESDAY, OCTOBER 23

7:30am – 8:30am	Attendee Breakfast	Camp Restaurant
7:30am – 11:30am	Conference Registration Desk Open	Simonds/Whittier Hallway
8:30am – 11:30am	Concurrent Workshops and Tech Replay Sessions	See grid for details
11:30am	Conference Adjourns	

DOWNLOAD THE CONFERENCE APP!

The conference schedule, sponsor directory, and hotel map are available in mobile form through the free ATTENDIFY app. Download “Attendify” from the app store, then search within the app for “2019 Fall NEARC Conference”. To access the details, click on “2019 Fall NEARC Conference” and then “Join”. Highlights of the app includes the ability to build your personal agenda, full abstracts, the sponsor directory, an interactive hotel floor plan, opportunities to interact with fellow app users attending the event, and more! The app will be updated during the conference as changes come in and notifications will be sent.

MONDAY CONCURRENT PRESENTATIONS / 10:30 AM – 12:00 PM & 1:30 PM – 3:00 PM

Titles preceded by **(MEGUG)** are being presented by members of the Maine GIS Users Group.

	WHITTIER	SIMONDS	MOONSTRUCK
TRACK	Facilities Management	Local Government	Field Mobility/UAV
10:30 AM	Integrating Systems & Technologies to Build the Rutgers University Campus Map <i>Giorgianni, Michele</i>	(MEGUG) Impacts of Sea Level Rise on Maine’s Island & Coastal Communities <i>Colby-George, Judy</i>	Incorporating the use of UAVs in undergraduate Geography and Environmental Science curriculum <i>Hansen, William</i>
11:00 AM	Development of MS4 Catchments at UNH: A Pilot Study <i>Herrick, Shawn</i>	(MEGUG) Priority Island Planning for Conservation <i>Kittredge, Chris</i>	(MEGUG) Got a Drone - Now What? Mapping with your UAV <i>McKittrick, David</i>
11:30 AM	(MEGUG) Infrastructure Inventory with Survey123 for ArcGIS <i>Hamill, Tom</i>	(MEGUG) Portland, Maine Silver Jackets High Water Mark Initiative <i>Deneault, Kevin</i>	
LUNCH 12:00 PM – 1:30 PM			
	Public Safety & Emergency Services	Local Government	Dive Deeper – Tech Skills
1:30 PM	3D Mapping with a Handheld LiDAR to Guide First Responders <i>Parent, Jason</i>	Cape Cod Crash Dashboard: Utilizing the Operations Dashboard to understand vehicle crash data <i>Bremer, Madden</i>	Migrating AGOL User Accounts Using the ArcGIS API for Python <i>Sweeney, Sean</i>
2:00 PM	GIS Solutions for Public Safety Driven by Cloud Technology <i>Wells, Brian</i>	(MEGUG) Making the leap to mobile: Creating a mobile app and Dashboard for Maine's Courtesy Boat Inspection Program <i>Schaffner, Rebecca</i>	Extracting Data from Annoying Formats with Python <i>Wise, Jason</i>
2:30 PM	Updating HERE Maps by Local Agencies <i>Wheat, Austin</i>	Assessor’s Parcel Dashboard <i>Congo, Elizabeth P.</i>	(MEGUG) Using VisualStudio/ VB.Net to Customize an Edit Session <i>Katnik, Don</i>
REFRESHMENT BREAK WITH VENDORS 3:00 PM – 3:15 PM			
ANNUAL NEARC BUSINESS MEETING 3:15 PM – 4:15 PM			
VENDOR RECEPTION & POSTER SOCIAL 4:15 PM – 6:15 PM			
DINE AROUND IN DOWNTOWN 6:30 PM – 8:30 PM			

MONDAY CONCURRENT PRESENTATIONS / 10:30 AM – 12:00 PM & 1:30 PM – 3:00 PM

Titles preceded by (MEGUG) are being presented by members of the Maine GIS Users Group.

KETCHUM	RIVER	
Emerging Technologies	Esri Tech Sessions	TRACK
(MEGUG) The GIS Paradigm Shift That No One Noticed - Panel <i>Folta, Bradford</i>	Moving to ArcGIS Pro: Basics, Interfaces, and Projects <i>Kantharaj, Krithica</i>	10:30 AM
	Moving to ArcGIS Pro: Symbols and Layouts <i>Kantharaj, Krithica</i>	11:00 AM
	Moving to ArcGIS Pro: Editing, Tables, and Charts <i>Scott, Mark</i>	11:30 AM
LUNCH 12:00 PM – 1:30 PM		
Emerging Technologies	Esri Tech Sessions	TRACK
Non-Tidal Potomac River Topo/Bathy Lidar Acquisition & Data Calibration <i>Barlow, Roger</i>	Introduction to Arcade Scripting <i>Schwartzman, Tom</i>	1:30 PM
(MEGUG) TopoBathy LiDAR and its many applications <i>Meren, Drew</i>	Using Python in ArcGIS <i>Ziegler, Adam</i>	2:00 PM
NJGIN 3.0 - Discovery & Sharing <i>Embley, Brian</i>	Introduction to Web AppBuilder <i>Ziegler, Adam</i>	2:30 PM
REFRESHMENT BREAK WITH VENDORS 3:00 PM – 3:15 PM		
ANNUAL NEARC BUSINESS MEETING 3:15 PM – 4:15 PM		
VENDOR RECEPTION & POSTER SOCIAL 4:15 PM – 6:15 PM		
DINE AROUND IN DOWNTOWN 6:30 PM – 8:30 PM		

MONDAY EVENTS SPONSORED BY

VENDOR RECEPTION



LUNCH



MORNING BREAK



AFTERNOON BREAK



TUESDAY CONCURRENT PRESENTATIONS / 8:30 AM – 10:00 AM & 10:30 AM – 12:00 PM

	WHITTIER	SIMONDS	MOONSTRUCK
TRACK	Facilities Management	Natural Resources	PW/Asset Management
8:30 AM	Using GIS to Organize All Your Facilities Information <i>Rich, Stu</i>	New Land Cover Products for New England States <i>Carter, Jamie</i>	Comprehensive Asset Inventory of a Newly-Acquired University Campus <i>Wrenner, Rylee</i>
9:00 AM	Definition of the environmental and geotechnical scenario for residential developers in karst areas using spatial analysis <i>Barbosa Silva, Thiago</i>	A Historical Look at GIS for Oil Spill Modeling <i>Ducharme, Jenna</i>	Developing a Dynamic, Efficient and Effective Field Data Collection System Utilizing ArcGIS Collector, Survey 123 and ArcGIS Online Technologies <i>Needle, Jake</i>
9:30 AM	Risk Reduction for Small Business Resiliency <i>Frediani, Matthew</i>	Geographies of dirty water: landscape-scale inequities around coastal amenities in Rhode Island <i>Twichell, Julia</i>	
REFRESHMENT BREAK 10:00 AM – 10:30 AM			
TRACK	Local Government	PW/Asset Management	Dive Deeper – Tech Skills
10:30 AM	Do You Really Want to Pave That? Making Intelligent Pavement Decisions Using Esri's ArcGIS Online Platform <i>Belniak, Alan</i>	Lighting the Way to Safer Streets <i>Rogers, Nicole</i>	Turning the Lens Around - GIS for Internal Company Insights <i>Tobin, Kelsey</i>
11:00 AM	Vermont High Resolution Land Cover <i>Brouillette, Michael</i>	RIDOT Stormwater Data Management <i>Bastoni, Annie</i>	Pandas: Cuddly Bear or Data Analytics Beast <i>Zito, Mark</i>
11:30 AM	Addressing for Local Governments in the Age of NG9-1-1 <i>Sankalia, Priya</i>	Introducing CRIS Trekker <i>Spraker, Larry</i>	Custom Printing Services <i>Ward, Nate</i>
LUNCH 12:00 PM – 1:30 PM			

TUESDAY CONCURRENT PRESENTATIONS / 8:30 AM – 10:00 AM & 10:30 AM – 12:00 PM

KETCHUM	RIVER	
Emerging Technologies	Esri Tech Sessions	TRACK
CANCELLED: Embracing the Silos <i>Meyer, James</i>	GIS for Leaders: Seven Elements of a Successful Enterprise GIS <i>Carnow, Adam</i>	8:30 AM
GIS Strategic Planning the 4DX Way <i>Gaynor, Jamie</i>	GIS for Leaders: Cultivating Executive Sponsorship for Your GIS Program <i>Carnow, Adam</i>	9:00 AM
Will This Fit In That? <i>Shinnick, Daniel</i>	GIS for Leaders: Introduction to Geospatial Strategy <i>Carnow, Adam</i>	9:30 AM
REFRESHMENT BREAK 10:00 AM – 10:30 AM		
Emerging Technologies	Esri Tech Sessions	TRACK
Integrating 3D into Local Government <i>Grillo, Katie</i>	Insights for ArcGIS <i>Schwartzman, Tom</i>	10:30 AM
Rounding Out the GeoSpatial Imagery Database of Record <i>Daly, Frank</i>	Introducing ArcGIS Urban <i>Scott, Mark</i>	11:00 AM
	ArcGIS Hub <i>Ziegler, Adam</i>	11:30 AM
LUNCH 12:00 PM – 1:30 PM		

TUESDAY EVENTS SPONSORED BY

CONTINENTAL BREAKFAST



MORNING BREAK



TUESDAY CONCURRENT PRESENTATIONS / 1:30 PM – 3:00 PM & 3:30 PM – 5:00 PM

	WHITTIER	SIMONDS	MOONSTRUCK
TRACK	Local Government	Natural Resources	PW/Asset Management
1:30 PM	Using GIS and Spatial Data to Prepare for the 2020 Decennial Census <i>Bonomo, Kira</i>	Story Maps: A Magical Tool for Engaging Audiences of All Ages <i>Chadwick, Cary</i>	Campus Utility Mapping Past, Present & Future <i>Lingeman, Samuel</i>
2:00 PM	Foreclosures, Race, and Income in Connecticut, 2005 - 2013 <i>O'Neil, Ryan</i>	Increasing Coastal Resiliency Using the MASSDOT Hydrodynamic Climate Change Model Within the ArcGIS Framework <i>Hoffnagle, Brittany</i>	
2:30 PM	Confronting Our Past: Using ESRI's Story Maps to Examine the Geography of Voter Power in The U.S. Electoral College <i>Wenschhof, Luke</i>	Modernizing Conservation Restriction Monitoring <i>Tefft, Erica</i>	
REFRESHMENT BREAK 3:00 PM – 3:30 PM			
TRACK	Local Government	Field Mobility/UAV	Business of GIS
3:30 PM	The increasing use of geospatial technologies for outreach at UNH Cooperative Extension – the map is only half (and sometimes less!) of the story <i>Bradt, Shane</i>	Collecting Critical Information Using Mobile Apps <i>Herrick, Shawn</i>	The Changing Landscape of GIS Business Opportunity - Panel Discussion <i>Rich, Stu (Moderator)</i>
4:00 PM	Creating Intelligent Water Service Lines <i>Hiller, Alex</i>	Municipal Drone Operations: sUAS and You! <i>Ames, Rich</i>	
4:30 PM	Using Your GIS Powers for Good: Story Map for Community Road Race <i>Congo, Elizabeth</i>	Basics of Photogrammetry <i>Covill, Ted</i>	
PRE-BANQUET NETWORKING RECEPTION 5:30 PM – 6:30 PM			
AWARDS DINNER & KEYNOTE ADDRESS 6:30 PM – 8:30 PM			
AFTER-HOURS NETWORKING SOCIAL 8:30 AM – 10:00 PM			

TUESDAY CONCURRENT PRESENTATIONS / 1:30 PM – 3:00 PM & 3:30 PM – 5:00 PM

KETCHUM	RIVER	
Emerging Technologies	Esri Tech Sessions	TRACK
ESRI Application Suite – Tips and Tricks for Successful Data Collection <i>Morse, Sarah</i>	Managing, Migrating, and Editing Parcel Data with ArcGIS Pro <i>Scott, Mark</i>	1:30 PM
One Story, Two Story Maps <i>Wilson, Emily</i>	ArcGIS Online Analysis <i>Schwartzman, Tom</i>	2:00 PM
Adventures with ArcGIS Hub <i>Brangan, Pam</i>	ArcGIS Maps for Office <i>Scott, Mark</i>	2:30 PM
REFRESHMENT BREAK 3:00 PM – 3:30 PM		
Emerging Technologies	Esri Tech Sessions	TRACK
Using Operations Dashboard and Insights to gain a new perspective into your data <i>Canty, Austin</i>	ArcGIS Apps Corner: Navigator and Tracker <i>Dunn, Chris</i>	3:30 PM
Baking a Habitat Cake: How Machine Learning is Improving Rare Bird Conservation <i>Lamonde, Steven</i>	ArcGIS Apps Corner: Workforce and Collector <i>Pierce, Brent</i>	4:00 PM
Setting up a Simple Esri-Leaflet Application <i>Patterson, Stephen</i>	ArcGIS Apps Corner: Explorer and QuickCapture <i>Pierce, Brent</i>	4:30 PM
PRE-BANQUET NETWORKING RECEPTION 5:30 PM – 6:30 PM		
AWARDS DINNER & KEYNOTE ADDRESS 6:30 PM – 8:30 PM		
AFTER-HOURS NETWORKING SOCIAL 8:30 AM – 10:00 PM		

TUESDAY EVENTS SPONSORED BY

AWARDS BANQUET



LUNCH



AFTERNOON BREAK

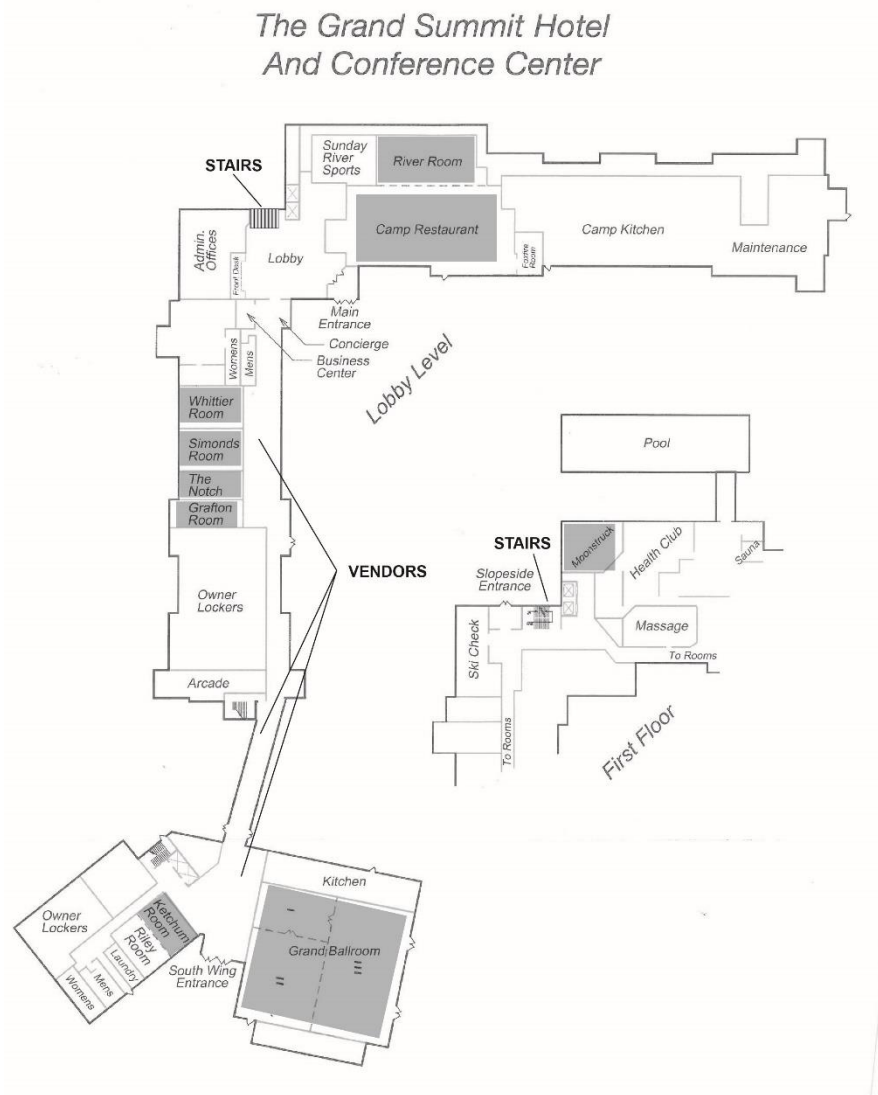


WEDNESDAY EVENTS – ESRI TECH SESSIONS / 8:30 AM – 11:30 AM

	BALLROOM 1	BALLROOM 2	KETCHUM
8:30 AM	Workshop: Moving from ArcMap to ArcGIS Pro Kantharaj, Krithica <i>Thinking about migrating to ArcGIS Pro or have already migrated to ArcGIS Pro and want to learn more? In this workshop, you will: *Learn essential ArcGIS Pro terminology and get familiar with the ribbon-based user interface, mapping, editing, and geoprocessing workflows. *Acquire new cartography skills to enable you to become a smarter mapmaker, ready to go beyond the defaults and make better maps. *Experience creating and editing in 2D and 3D to quickly model data and make decisions. *Get familiar with tasks. A task is a set of preconfigured steps that guide you and others through a workflow or business process. This is a "Bring your own Device" Workshop. You will need to download and install ArcGIS Pro on your laptop prior to the workshop.</i>	Workshop: Insights for ArcGIS Schwartzman, Tom <i>Insights for ArcGIS fuses location analytics with data science and business intelligence workflows. Answer questions you didn't know to ask, analyze data completely, and unlock new insights. Empower analysts of all skill levels, across departments, to directly connect data, perform advanced analytics, and take results into 3rd party systems and ArcGIS. This is a "Bring Your Own Device" (BYOD) workshop – to participate you will need to bring a computer with wifi (to connect to the internet); iPads and other tablets will not allow full participation and are highly discouraged.</i>	Introduction to Web AppBuilder Ziegler, Adam
9:15 AM			ArcGIS Hub Ziegler, Adam
10:00A M			Introducing ArcGIS Urban Scott, Mark
10:45 AM			ArcGIS Maps for Office Scott, Mark

VENDOR RECEPTION & POSTER SOCIAL / MONDAY 4:15 PM – 6:15 PM

P-01	50 Years of Water Quality Restoration and Protection in Maine: A Story Map <i>Schaffner, Rebecca</i>
P-02	Engaging the Community Through ArcGIS Hub <i>Floersch, Nick</i>
P-03	Food Access Map <i>Andrews, Ashley</i>
P-04	Forests to Faucets 2.0 <i>Lilja, Rebecca</i>
P-05	Mapping Maine's Forest Industry Vulnerability to Climate Change <i>Soucy, Alyssa</i>
P-06	Yellowstone on Fire: An Object-Based Image Analysis of Burn Recovery in Yellowstone National Park <i>Repp, Jennifer</i>
P-07	Using Random Forest Regression and Lidar-derived Predictors to Predict Forest Inventory Metrics on Prince of Wales Island, Alaska <i>Hauck, Carson</i>
P-08	Prioritizing Land for Natural Resilience <i>Hardy-Moss, Abby</i>



THANK YOU SPONSORS

AWARDS BANQUET



VENDOR RECEPTION



MONDAY LUNCH



TUESDAY LUNCH



TUESDAY CONTINENTAL BREAKFAST



MONDAY MORNING BREAK



MONDAY AFTERNOON BREAK



TUESDAY MORNING BREAK



TUESDAY AFTERNOON BREAK

