

## 2019 Big Sky GeoCon - Wednesday, April 3rd - Butte, MT

### Copper Room 1

### Copper Room 2

### Copper Room 4

### Copper Room 5

8:00 - 8:30	<p>Utilities, from little or nothing, into a GIS System</p> <p><i>Steven Lowman</i></p>	<p>Using GIS to Identify Community Health Care Resources on the Blackfeet Indian Reservation</p> <p><i>Joe Donohoe &amp; Mary Erickson</i></p>	<p>Emerging Directions Within the Commercial Drone Industry: Notes From Inside</p> <p><i>Dr. Gregory Crutsinger</i></p>	<p>State Plane Coordinate System 2022, Real Time Networks, and More</p> <p><i>Pam Fromhertz</i></p>
8:40 - 9:10	<p>Outage Mapping using ArcGIS Online and Microsoft Azure</p> <p><i>Michael Krueger</i></p>	<p>Missoula Area Mapping Project – Community engaged land use planning</p> <p><i>Andrew Hagemeyer &amp; Andrew Stickney</i></p>	<p>Emerging Directions Within the Commercial Drone Industry: Notes From Inside <b>(cont.)</b></p> <p><i>Dr. Gregory Crutsinger</i></p>	<p>State Plane Coordinate System 2022, Real Time Networks, and More <b>(cont.)</b></p> <p><i>Pam Fromhertz</i></p>
9:10 - 9:40 BREAK				
9:40 - 10:10	<p>Conservation Cartography: Putting Maps to Work for Endangered Species</p> <p><i>Kevin McManigal</i></p>	<p>Visualizing a community's past, the digitization of Butte Montana's cultural legacy</p> <p><i>Ellen Crain</i></p>	<p>A Comparison of UAV Systems with Enhanced Navigation for Geotechnical Investigations using LiDAR and Photogrammetry</p> <p><i>Rachel Becker</i></p>	<p>A comparison of modeled stream network feature lengths and sinuosity using multiple resolutions of digital elevation model data</p> <p><i>Robert Ahl</i></p>
10:20 - 10:50	<p>Operation Dashboard: Creating Dashboards with Configurable Apps</p> <p><i>TJ Abbenhaus</i></p>	<p>Following Up Your NG 911 GIS Assessment, What's Next?</p> <p><i>Ken Wall</i></p>	<p>NDVI Drones and Lessons Learned</p> <p><i>Bart Bauer</i></p>	<p>Floodplain Connectivity Analysis in GIS: A Tool for Ecological Restoration</p> <p><i>Selita Ammond</i></p>
11:00 - 11:30	<p>Mobile GIS Workflows using Collector, Workforce, Survey 123, Navigator and Dashboards</p> <p><i>TJ Abbenhaus</i></p>	<p>Following Up Your NG 911 GIS Assessment, What's Next? <b>(cont.)</b></p> <p><i>Ken Wall</i></p>	<p>UAV Mounted Low Cost Trace Gas Sensor for Volcanic Plume and Emission Characterization and Long Range Video Transmission</p> <p><i>William Pardis &amp; Tristan Gray</i></p>	<p>A Simple Methodology for Producing an Accurate Irrigated Land Cover Dataset</p> <p><i>Andrew Nemecek</i></p>
11:30 - 1:00 LUNCH & Keynote Address - Copper King Ballroom				

	Copper Room 1	Copper Room 2	Copper Room 4	Copper Room 5
1:00 - 1:30	Operations Dashboard and MDT Planned Projects <i>Brian Klapstein</i>	Geo-Enabled Elections <i>Erin Fashoway</i>	Using UAS to perform an emergency survey of Willow Creek Dam <i>Craig Threlkeld</i>	Using Big Data to Prioritize Restoration Outreach <i>Joseph St. Peter &amp; Conor Phelan</i>
1:40 - 2:10	Mapping, Managing, and Maintaining Mobile GIS data <i>Jeff LeProwse</i>	How Does GIS Work in the Next Generation 911 Center, the NENA i3 Standard Demystified <i>Ken Wall</i>	UAS Applications and Drone Technology in Engineering and GIS <i>Jackson Beigle</i>	Spatial Analysis Lab Introductions <i>Jessica Mitchell</i>
2:10 - 2:30 BREAK				
2:30 - 3:00		Census Business Builder <i>Lacey Loftin</i>	UAS Data, how are you using it? <i>Andrew Coleman</i>	New GIS data, maps, and apps from the USDA NRCS–Montana State Library Partnership <i>Troy Blandford &amp; Catherine Maynard</i>
3:10 - 3:40	Modern Tree Inventory: Building a system that works for you <i>Alex Norquist</i>	2020 Census New Construction Program <i>Jim Castagneri &amp; Lacy Loftin</i>	Waivers vs Certificates of Authorization For Unmanned Aircraft Systems; Are the Props Spinning? <i>Jen Fowler</i>	New GIS data, maps, and apps from the USDA NRCS–Montana State Library Partnership <b>(cont.)</b> <i>Troy Blandford &amp; Catherine Maynard</i>
3:50 - 4:20	GISP Dr. Office <i>Curtis DeVault &amp; Michael Krueger</i>	Overview of Census 2020 <i>Jim Castagneri &amp; Lacy Loftin</i>	Using UAS Technology/ Orthoimagery to Assess Pre- and Post-Construction Conditions on a Landslide Re-Contouring Project on the NZ-CLW Forest <i>Teresa Morales</i>	Grizzly Bear Range Expansion and Population Connectivity in Montana: Planning for Shared Landscapes <i>Celicy Costello</i>
4:30 - 5:00	GISP Dr. Office <b>(cont.)</b> <i>Curtis DeVault &amp; Michael Krueger</i>	MSDI Administrative Boundary Update <i>Meghan Burns</i>	State Agency UAS Working Group <i>Kreh Germaine</i>	Geospatial Research & Education in Glacier National Park with partial funding from MAGIP Scholarships & Grants <i>Morgan Voss</i>
5:30 - 8:00 MAGIP Community Reception - Copper King Ballroom				

## 2019 Big Sky GeoCon - Thursday, April 4th

8:00 - 9:00	Emergency Services Plenary (Panel Presentation) <i>Chris Cruz, Chad Sperry, Jesse Best</i>				
9:00 - 9:30 BREAK					
<b>Copper Room 1</b>		<b>Copper Room 2</b>		<b>Copper Room 4</b>	<b>Copper Room 5</b>
9:30 - 10:00	The Montana NG9-1-1 GIS Data Assessment Project  <i>Michael Fashoway</i>	Visualizing Crime Patterns with GWR Model  <i>Yu Zhou</i>	UAVs in Aerial Cinematography  <i>Steve White</i>	Lidar and Natural Hazards  <i>Mike Stickney</i>	
10:10 - 10:40	How to Get to a Standardized Seamless Statewide NG9-1-1 Data Set in Montana?  <b>Moderator:</b> <i>Erin Fashoway</i> <i>Jason Horning, Phil Peterschnick, Joe Sewash, Michael Fashoway, Ken Wall</i>	The Long Streets Project  <i>Eric Dietrich</i>	UAS Technology Use in the World of Public Land Management & Emergency Response  <i>Chris Cruz</i>	The Montana Statewide Lidar Plan  <i>Troy Blandford</i>	
10:50 - 11:20	How to Get to a Standardized Seamless Statewide NG9-1-1 Data Set in Montana? <b>(cont.)</b>  <b>Moderator:</b> <i>Erin Fashoway</i> <i>Jason Horning, Phil Peterschnick, Joe Sewash, Michael Fashoway, Ken Wall</i>	The Long Streets Project <b>(cont.)</b>  <i>Eric Dietrich</i>	UAS Technology Use in the World of Public Land Management & Emergency Response <b>(cont.)</b>  <i>Chris Cruz</i>	Finding the Value in Lidar Mapping  <i>Jason Caldwell</i>	
11:30 - 12:00	Beyond the 98: The NG9-1-1 GIS Data Puzzle  <i>Jason Isherwood</i>		Using Unmanned Aerial Vehicle (UAV) high resolution multi-spectral imaging to identify noxious weeds  <i>Jay Slocum</i>	3DEP Overview  <i>Steve Shivers</i>	
12:00 - 1:30 LUNCH - Copper King Ballroom					

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1:30 - 2:00	Using GIS for Wildfire Decision Support with NASA RECOVER <i>Keith Weber</i>	Distributed Collaboration with ArcGIS Enterprise <i>Shane Clarke</i>	Using Unmanned Aerial Vehicle (UAV) high resolution multi-spectral imaging to monitor restoration progress of Mount Haggin <i>Jay Slocum</i>	3DEP Lidar Proposals: Examples From Other States <i>Chris Chalmers</i>
2:10 - 2:40	Cartography for GIS Users <i>Kris Larson</i>	What's new in ArcGIS 10.7 <i>Shane Clarke</i>	UAS for Emergency Management <i>Chad Sperry</i>	What Can LIDAR Do For You? <i>Melissa Christie</i>
2:50 - 3:20	Cartography for GIS Users <b>(cont.)</b> <i>Kris Larson</i>	What's new in ArcGIS 10.7 <b>(cont.)</b> <i>Shane Clarke</i>	UAS for Emergency Management <b>(cont.)</b> <i>Chad Sperry</i>	Use of High-Resolution LiDAR Data for Measurement of Arroyo Formation <i>Seth Mangini</i>
3:20 - 3:40 BREAK				
3:40 - 5:00	Montana Summit - Copper King Ballroom			

*Track Names / Color Codes:*

<i>Utilities</i>	<i>Local Gov't</i>	<i>Socio-Economic</i>	<i>Census</i>
<i>Web &amp; Mobile App</i>	<i>Emergency Services</i>	<i>Natural Resources</i>	<i>UAS Public Block</i>
<i>Suvey</i>	<i>Lidar</i>	<i>UAS Private Sector Block</i>	<i>Technolog/Mapping</i>
<i>UAS Applications Block</i>	<i>UAS General</i>		