












SCHEDULE OF EVENTS		
	Principals Schedule	Emerging Leaders Schedule
	Open to All MAPPS Attendees (Principal, Emerging Leader, Spouse/Guest)	
Friday, January 25, 2019		
8:00 AM – 3:00 PM	<p><b>MAPPS Board of Directors Meeting</b> <i>Quartz A/B, 3<sup>rd</sup> Floor</i> Members may request to attend and observe, or present at the Board of Directors meeting by first making arrangements with the MAPPS President</p>  <p>Sponsored by <b>WHITESTAR</b></p>	
1:00 PM	<p><b>Registration Opens - Mineral Hall Foyer, 3<sup>rd</sup> Floor</b></p>	
4:00 PM – 5:00 PM	<p><b>Opening Remarks / Welcome / Keynote Presentation</b> <b>Facilitator: Brian Raber, Merrick &amp; Company, MAPPS President</b> <i>Quartz A/B, 3<sup>rd</sup> Floor</i></p> <p>MAPPS members and guests will enjoy a presentation from Dr. Holly Kathryn Norton, Ph.D., Colorado State Archaeologist &amp; Deputy State Historic Preservation Officer. As the State Archaeologist, Holly administers state and federal laws relating to archaeology and historic resources. The position also provides staff authority on archaeological matters within History Colorado. Holly uses mapping and geographic information systems (GIS) extensively in most of her methodologies. Open to all attendees and guests.</p>  <p>Sponsored by <b>GeoSearch, Inc.</b></p>	

<p>5:00 PM – 7:00 PM</p>	<p><b>Welcome Reception</b> <i>Mineral Hall Foyer, 3<sup>rd</sup> Floor</i></p> <p>Join us for a social hour with drinks and light hors d’oeuvres to meet up with old friends and new!</p> <div style="text-align: center;">  <p><i>Sponsored by</i></p> </div>
<p><b>Saturday, January 26, 2019</b></p>	
<p>7:00 AM – 8:00 AM</p>	<p><b>Networking Breakfast</b> <i>Mineral Hall, 3<sup>rd</sup> Floor</i></p> <p>Open to all attendees and guests.</p> <div style="text-align: center;">  <p><i>Sponsored by</i></p> </div>
<p>8:00 AM – 9:00 AM</p>	<p><b>Committee &amp; Forums Panel</b> <b>Facilitator: Brian Raber, Merrick &amp; Company, MAPPS President</b> <b>Speakers: Committee &amp; Forum Leaders</b> <i>Mineral Hall, 3<sup>rd</sup> Floor</i></p> <p>We kick-off our 2019 Winter Conference with an overview of the activities and structures of our MAPPS Committees and Forums. Leaders for each will present and discuss the interests and goals for each and their vision for how our members can be more effective with their involvement during this meeting and for gaining maximum value from being a member of MAPPS. (MAPPS-Member Emerging Leaders join the Principal Delegates this day.)</p>

<p>9:00 AM – 9:45 AM</p>	<p><b>New Member Welcome and Introductions</b>  <b>Facilitator: Brian Raber, Merrick &amp; Company, MAPPS President</b>  <b>Speakers: New Member Principal Delegates</b></p> <p>Meet our new members as they introduce (or reintroduce) themselves and provide their "elevator pitch" for their company's services, products and business strategy within their markets. Each may explain the types of relationships they seek with our MAPPS members, too!</p>
<p>9:30 AM</p>	<p><b>Spouse / Guest Breakfast &amp; Program</b>  <i>Please meet in the main lobby</i></p> <p>All spouse/guest registrants are welcome to join for a casual breakfast at Denver's famous historic hotel, The Brown Palace. Following breakfast we'll take a one hour tour of this iconic property.</p> <div style="text-align: center;">  <p><i>Sponsored by</i></p> </div>
<p>9:45 AM- 10:00 AM</p>	<p><b>Networking Refreshment Break</b>  <i>Mineral Hall Foyer, 3<sup>rd</sup> Floor</i></p> <div style="text-align: center;">  <p><i>Sponsored by</i></p> </div>
<p>10:00 AM- 11:00 AM</p> <p>11:00 AM-</p>	<p><b>sUAS and Future Trends</b>  <b>Facilitator: Jason Heywood, DroneView Technologies</b>  <b>Panelists: Jamie Young, Precision Hawk; Michael O'Sullivan, Del Air; Peter Bonne, Orbit GT; Lewis Graham, Airgon, LLC; Thomas Rambo, Altavian</b>  <i>Mineral Hall, 3<sup>rd</sup> Floor</i></p> <p>A panel discussion on the general state of the UAV industry. What are its primary segments? Will there be more startups, mergers, failures, etc.? How are the major drivers for sustainability in the industry segments?</p>

<p>12:00 PM</p>	<p><b>AWS and an Economy of Scale for Sensor Collected Data</b>  <b>Facilitator: Bob Hanson, Michael Baker International, Inc.</b>  <b>Speaker: David McDaniel, Director, Professional Services at Eplexity</b></p> <p>Discussion of the economics of using the cloud. An overview of AWS options and configurations, cost models for use and storage options for data in the cloud for long durations.</p>
<p>12:00 PM-1:30 PM</p>	<p><b>Committee Meetings with Lunch</b></p> <p>Lunch buffet will be available for all in the Mineral Hall. The following committee meetings are open to all MAPPS members – separate buffets will be available by these meeting rooms - come and join the discussion!</p> <p><i>Membership Committee – Agate A Room, 3<sup>rd</sup> Floor</i>  <i>Associate Members Committee – Agate B Room, 3<sup>rd</sup> Floor</i>  <i>Legislative Affairs Committee – Agate C Room, 3<sup>rd</sup> Floor</i></p> <p style="text-align: center;">   <i>Sponsored by</i> </p>
<p>2:00 PM – 6:30 PM</p>	<p><b>Networking Activity: National Western Stock Show Pro-Rodeo &amp; Dinner</b>  <i>Gather in Main Lobby</i></p> <div style="float: right; text-align: center;">  </div> <p>The <b>National Western Stock Show</b>, established in 1906, is the premier livestock, rodeo, and horse show in the nation, serving agricultural producers and consumers throughout the world. A nationally recognized western heritage and entertainment event, the stock show hosts one of the world’s richest regular season professional rodeos, one of the country’s largest horse shows and Colorado’s largest western trade show, attracting attendance numbers over 650,000 visitors each year.</p>

	<p>Buses will depart from the main lobby at 2:00pm. Participants will have free time to roam the grounds of the stock show before the Pro Rodeo begins at 3:00pm. We'll have a drinks and a casual buffet available in the Centennial Room at 4:30pm. Buses will return to the Hyatt at 6:30pm.</p> <p style="text-align: center;">   <i>Sponsored by</i> </p> <p style="text-align: center;"> <i>Transportation Sponsored by</i>  </p> <p style="text-align: center;"> <i>Dinner Sponsored by</i>  </p>
<p>7:30 PM – 8:30 PM</p>	<p><b>PAC Briefing</b> (<i>Open to All Attendees &amp; Families Hospitality Reception to Follow</i>) <i>Suite # 630</i></p> <p>The PAC briefing will begin shortly after returning from the Western Stock Show in the Hospitality Suite. The briefing will summarize the 2018 PAC financial activities, discuss upcoming fund raising and celebrate our recent success on Capitol Hill.</p> <p style="text-align: center;">   <i>Sponsored by</i> </p>
<p>8:30 PM – 10:00 PM</p>	<p><b>Hospitality Suite</b> <i>Suite # 630</i></p> <p style="text-align: center;">   <i>Sponsored by</i> </p>

Sunday, January 27, 2019



Conference Program & Daily Newsletter Sponsor

7:00 AM –  
8:00 AM

**Networking Breakfast**

*Capitol Ballroom 1-3, 4<sup>th</sup> Floor*

Open to all attendees and guests



*Sponsored by*

8:00 AM –  
9:00 AM

**Social Media Best Practices for Businesses**

**Facilitator: Robert White, The WhiteStar Corporation**  
**Speaker: Kevin Corbley, Corbley Communications Inc.; Brian Raber, Merrick & Company, MAPPS President**

*Capitol Ballroom 1-3, 4<sup>th</sup> Floor*

This session will help members understand how social media works, the benefits and pitfalls of social media, and practical ways use social media outlets, integrated newsfeeds, tweets, blogging or other forms of media. A summary of the MAPPS social media and communication approaches will illustrate how participating in the Ascent

**Emerging Leaders Session 1: Leadership Fundamentals**

**Instructors: Richard Serby and Jessica Touchard, GeoSearch**

*Mineral Hall A, 3<sup>rd</sup> Floor*



This course provides students with the basic understanding of the practices and principles for leader effectiveness. Topics include problem solving and decision making, team building and group dynamics, introduction to negotiation and conflict management, and organizational change management. Attendance in this course builds the confidence needed for a broad range of leadership challenges.

<p>9:00 AM – 9:45 AM</p>	<p>Program can leverage their MAPPS membership to enhance their company's identity.</p> <p><b>Diversity in MAPPS</b> <b>Facilitator: Mark Brooks, Optimal Geo, Inc.</b> <b>Speaker: Susan Marlow, Stantec</b> <i>Capitol Ballroom 1-3, 4<sup>th</sup> Floor</i></p> <p>The MAPPS board is very interested in creating diversity within the organization and are considering making this a formal initiative. In this session a panel will have a short discussion on their experiences with diversity in associations, companies, and women’s business groups. The board is seeking input from the members, and following the presentations will be a question and answer period with the audience. Don’t miss a chance to share your experience and provide input to this important topic.</p>	
<p>9:45 AM- 10:00 AM</p>	<p><b>Networking Refreshment Break</b></p> <p><i>Capitol Ballroom Foyer</i></p> <p>Sponsored by </p>	

<p>10:00 AM- 11:00 AM</p>	<p><b>Platform Choice for Aerial Projects</b> <b>Facilitator: Mike Tully, Aerial Services, Inc.</b> <b>Speakers: Lewis Graham, Airgon, LLC; Allen Nobles, SAM, Inc.; Kelly Francis, Aerographics</b></p> <p><i>Capitol Ballroom 1-3, 4<sup>th</sup> Floor</i></p> <p>The panel for this session were provided a scope of work for a medium sized project. Each panelist has been assigned an approach (rotary wing VTOL UAS, winged UAS and piloted aircraft), and will discuss the considerations they would take into account when considering such a project.</p>	<p><b>Emerging Leaders Session 1: Leadership Fundamentals (continued)</b></p> <p>This course provides students with the basic understanding of the practices and principles for leader effectiveness. Topics include problem solving and decision making, team building and group dynamics, introduction to negotiation and conflict management, and organizational change management. Attendance in this course builds the confidence needed for a broad range of leadership challenges.</p>
<p>11:00 AM- 12:00 PM</p>	<p><b>Artificial Intelligence (AI)</b> <b>Facilitator: Tom Newman, TerraSond Limited</b> <b>Speakers: Drew Fisher, BAE; David Gorodetzky, Harris; Daniel Wilson, ESRI</b></p> <p>This session will provide a basic introduction to the concepts of Artificial Intelligence and Machine Learning, especially as these technologies relate to the processing and use of geospatial data. Intended as a primer, this session will introduce topics to be explored more deeply at future MAPPS conferences.</p>	



<p>12:00 PM- 1:30 PM</p>	<p><b>Forum Meetings with Lunch</b></p> <p>Lunch buffet will be available for all in the Capitol Ballroom. The following forum meetings are open to all MAPPS members – separate buffets will be available by these meeting rooms - come and join the discussion!</p> <p><i>Small Business Forum – Agate A Room, 3<sup>rd</sup> Floor</i>  <i>Emerging Technologies Forum – Agate B Room, 3<sup>rd</sup> Floor</i>  <i>Aerial Acquisitions Forum – Agate C Room, 3<sup>rd</sup> Floor</i>  <i>Colorado MAPPS Meeting – Capitol Ballroom 5, 4<sup>th</sup> Floor (Grab Lunch in the main ballroom)</i></p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>Sponsored by <small>Aerial Surveys International LLC</small> and</p>
<p>1:30 PM – 3:00 PM</p>	<p><b>Social Responsibility Networking Event</b></p> <p><i>Capitol Ballroom 4, 4<sup>th</sup> Floor</i></p> <p>It’s easy to take a personal vehicle for granted. MAPPS will help Denver’s disadvantage with transportation needs to make a big difference in many lives. A social responsibility networking activity will have MAPPS members teaming-building, competing, learning and having fun. Come see how MAPPS will make a difference in Denver, meet up with our newest members (and old friends), and enjoy an afternoon snack. The activity will be led by Mark Hahn of Catholic Charities of Denver.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>Sponsored by</p>
<p>3:00 PM – 4:30 PM</p>	<p><b>Time on Your Own</b></p>

<p>6:00 PM – 6:30 PM</p>	<p><b>MAPPS Annual Geospatial Excellence Awards Reception</b></p> <p><i>Capitol Ballroom 1-3, 4<sup>th</sup> Floor</i></p> <div style="text-align: center;">  <p>Sponsored by</p> </div>
<p>6:30 PM – 8:30 PM</p>	<p><b>MAPPS Annual Geospatial Excellence Awards Banquet &amp; Keynote</b></p> <p><i>Capitol Ballroom 1-3, 4<sup>th</sup> Floor</i></p> <p>Join us for the 12th annual MAPPS Geospatial Products and Services Awards reception and celebration. Awards will be presented to Regular and Associate Member firms whose entries exemplify the professionalism, value, integrity and achievement of the firm's staff and clients as demonstrated over the previous year.</p> <p>The Keynote Speaker is Omar-Pierre Soubra, a passionate innovator, who is the Director of Marketing Communications for Spatial Corp, a subsidiary of Dassault Systemes. Spatial develops 3D software components for software developers. Omar-Pierre has developed several software products for the construction, geospatial and architecture industries. He also holds 17 international patents, in products combining optics, long range 3d scanning (LIDAR) and video camera solutions. In 2012, he was part of the Merger and Acquisition team which acquired the SketchUp group from Google.</p>
<p>8:30 PM – 10:00 PM</p>	<p><b>Hospitality Suite</b></p> <p><i>Suite # 630</i></p> <div style="text-align: center;">  <p>Sponsored by</p> </div>

Monday, January 28, 2019



Hotel Room Key Card Sponsor

7:00 AM –  
8:00 AM

**Networking Breakfast**  
*Capitol Ballroom*

Open to all attendees and guests

Sponsored by



8:00 AM –  
9:00 AM


**Evolution of Core Technologies (for MAPPS Operations)**  
**Facilitator: John Cople, Sanborn Map Company**  
**Panelists from: Applanix Corporation (A Trimble Company); ESRI; Hexagon; RIEGL; SimActive; Teledyne Optech; TopoDOT; Vexcel Imaging**  
*Capitol Ballroom 1-3, 4<sup>th</sup> Floor*

Our associate member sponsors provide their annual "New Year's" update and pre-ILMF insights into their newest capabilities and solutions. Focus on the MAPPS members' markets.

**Emerging Leaders Session 2: Business Ethics**

**Instructors: Gary Outlaw, Merrick & Company and Matt Nieman,**  
*Mineral Hall A, 3<sup>rd</sup> Floor*

This course examines the vital role and purpose of ethical leadership within a business. Students will increase their understanding of being vigilant for identifying and mitigating ethical issues. They will learn their responsibilities for implementing policies and procedures that serve to continually improve corporate ethics, governance, workplace and social responsibility.

<p>9:00 AM – 9:45 AM</p>	<p><b>National Aerial Mapping Program Updates</b>  <b>Facilitator: John Boeding, Surdex Corporation</b>  <b>Speakers: David Holm, Fugro; Randy Mayden, Hexagon; Tim Bohn, Surdex; Jerry Skaw and Richard Butgereit, Vexcel Imaging</b></p> <p>This session will give an overview of some federal and commercial programs and speaker insights on strengths/challenges for opportunities in these market/client verticals.</p>	
<p>9:45 AM- 10:00 AM</p>	<p><b>Networking Refreshment Break</b>  <i>Capitol Ballroom Foyer</i></p> <div style="text-align: center;">  <p>Sponsored by</p> </div>	
<p>10:00 AM– 11:30 AM</p>	<p><b>USGS 3DEP Program Update: “Believe You Can and You’re Halfway There!”</b>  <b>Facilitator: Jeff Lovin, Woolpert, MAPPS Past President and Current USGS Liaison</b>  <b>Speakers: Representatives from ASI, Atlantic, DAS, Dewberry, Fugro, Merrick, PAR, Sanborn, QSI, Woolpert, and Prime Policy Group</b>  <i>Capitol Ballroom 1-3, 4<sup>th</sup> Floor</i></p> <p>President Theodore Roosevelt is</p>	<p><b>Emerging Leaders Session 2: Business Ethics (continued)</b>  <b>Instructors: Gary Outlaw, Merrick &amp; Company and Matt Nieman,</b>  <i>Mineral Ballroom A, 3<sup>rd</sup> Floor</i></p> <p>This course examines the vital role and purpose of ethical leadership within a business. Students will increase their understanding of being vigilant for identifying and mitigating ethical issues. They will</p>

	<p>attributed with the statement “Believe you can and you're halfway there.” which is fitting as we recently achieved the 50% milestone for the first cycle of 3DEP elevation products. We will receive a 3DEP program and funding update, have presentations highlighting unique applications of 3DEP LiDAR from our MAPPS member firms, and discuss the 2019 3DEP legislative direction.</p>	<p>learn their responsibilities for implementing policies and procedures that serve to continually improve corporate ethics, governance, workplace and social responsibility.</p>
	<p><b>Adjourn 2019 Winter Conference</b></p> <p style="text-align: center;"><b>MARK YOUR CALENDARS!</b></p> <p style="text-align: center;"><b>MAPPS Federal Programs Conference</b> Hilton Alexandria Old Town - Alexandria, Virginia March 12-13, 2019</p> <p style="text-align: center;"><b>MAPPS 2019 Summer Conference</b> Deer Valley Resort - Park City, Utah July 14-17, 2019</p> <p style="text-align: center;"><b>MAPPS 2020 Winter Conference</b> Hyatt Regency Waikiki – Honolulu, Hawaii January 19-22, 2020</p>	