



Issue 2

Summer 2020

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Newsletter of the Rocky Mountain Region, serving Montana, S. Idaho, Wyoming, Utah, Colorado, & New Mexico

**"GIS in the Rockies" Conference
~ Preview ~**

**33rd Annual "GIS in the Rockies"
October 6-9, 2020 -- Virtual Event
(Workshops will be held on October 6)**

REGISTRATION IS ONLY \$25 FOR ALL 3 DAYS!

Visit the Conference Website

Join ASPRS Rocky Mountain Region, GIS Colorado, Professional Land Surveyors of Colorado, and Rocky Mountain URISA **October 6, 7, 8, and 9** for [GIS in the Rockies](#) -- the Rocky Mountain West's premier geospatial information and technology conference!

***** The 33rd annual GIS in the Rockies will be held as a virtual event for the first time, offering an exceptional, content-rich conference at a safe distance for all. *****

2020 CONFERENCE HIGHLIGHTS INCLUDE:

Pre-Conference WORKSHOPS

GIS in the Rockies is pleased to offer pre-conference workshops related to important topics in the Geospatial industry on **Tuesday, October 6, 2020**. There are a limited number of openings for each workshop, so please sign up for a workshop during the registration process. If you have already registered for the conference, you can modify your existing registration to add a workshop. The cost of each workshop is in addition to the \$25 registration cost for the conference.

GIS and Python Programming Using ArcGIS Pro and Arcpy

Time: 8:00 am – 4:30 pm

Instructor: Lucas Kaim Thelen

Cost: \$25

Workshop Description: This workshop will explain fundamentals of Python as an object-oriented programming language, and how you can use Python in ArcGIS Pro to script geo-processing work-flows for batch processing and map automation. The workshop will be presented in a format combining lectures and guided exercises.

Intended Audience: People who want to learn Python or use Python to automate GIS workflows.

Tech requirements: Participants should have some GIS experience.

Capacity: 20 participants

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Census Data for Redistricting and Planning

Time: 1:00 – 5:00 pm

Instructor: Jim Castagneri & Lacey Loftin

Cost: \$30

Workshop Description: In this virtual workshop, we will discuss census geography with a focus on redistricting data from the 2020 census and how it can be used for your local community. We will also discuss the wide variety of decennial and American Community Survey (ACS) data for grant writing and regional and local planning purposes.

Tech requirements: Basic understanding of ArcGIS recommended, but not required. A bonus would be to have an idea of a project you want to work on and bring your questions... Participants may follow along virtually using their own web-connected computers.

Capacity: 30

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CONFERENCE PROGRAM OVERVIEW

At the time of this writing, we had a sneak peek at the program schedule for the three main days of the conference, which included a track for each of the sponsoring organizations: **ASPRS**, **GIS Colorado**, **PLSC**, and **URISA**. There will also be tracks called **GIS in Government**, **Technology Spotlight**, and **GIS and Resources**. In addition, there will be a **Geospatial Skills Focus Group** as well as a series of sessions called **"Talk to the Experts at xxx"** in the **"Virtual Exhibit Hall."** Two **Keynote Speakers** will begin and end the conference, the first at the start of the day on Wednesday, and the second after lunch and networking on Friday.

Scheduled presentations include the following titles:

Geospatial Skills Focus Group

GIS in Government

- Mapping Crashes in Boulder County
- Sidewalk Repairs: Going from Paper to Digital
- Update on DRCOG's Regional Data Projects
- USGS National Digital Trails Project

GIS and Resources

- An Analysis of the Clinton Oil and Gas Fields Using Machine Learning
- Converting Symbolology from Esri ArcGIS to Adobe Illustrator

Technology Spotlight

- How to Build Web App for Cemetery Management Using AGOL and Survey 123
- ArcGIS Enterprise, Hosted and Managed Cloud Strategies
- Civil 3D to ESRI Online and Back Again

ASPRS

- Buildings and 3D Modeling
- Got a Drone -- Now What? Mapping with Your UAV
- Reflections on September 11, 2001: Impact on Geospatial Practitioners
- Post-Disaster Mapping

Rocky Mountain Compiler

- Delivering GIS Education: University of Denver's Response to COVID-19
- Dominica After Maria: Assessing Changes to Benthic Habitats

GIS Colorado

- Your Survival Guide to NG911
- Real-time GIS: Lessons Learned from a DIY GeoEvent Implementation
- GISCO Panel Discussion
- Identifying Climate Resilient Wildlands in Central Colorado

PLSC

- Modernizing the National Spatial Reference System
- PLSS Monument Database Development at Denver Water
- Overview of Colorado State Plane Coordinate System and NATRF 2022
- PLSC Panel Discussion: Professional Land Surveyors

URISA

- Asset Management Workshop
- Moving Data Between GIS and Other Systems
- Mapping the Certified GIS Professionals (GISPs) in the US
- Real-time Spatial Insights for Crime Management
- Risk + Resiliency: Emergency Response Planning for Water Utilities
- URISA Panel Discussion

Virtual Exhibit Hall / "Talk to the Experts at xxx:"

- GISinc
- Anatum GeoMobile Solutions, LLC
- WyGISC at University of Wyoming
- Nearmap
- Quantum Spatial
- FLO Analytics
- 1Spatial, Inc.
- CityWorks

About GIS in the Rockies:

GIS in the Rockies is the Rocky Mountain West’s premier geospatial information and technology conference. The conference offers opportunities for industry professionals to learn more about geospatial technology issues and business-centric strategies supporting every vertical market touched by the geospatial industry. Historically, attendees have included representatives from local, state, and federal government, the utilities industry, environmental services, land surveying professionals, the oil and gas industry, students, educational practitioners, and retail and business marketing professionals. Whether you are a seasoned GIS professional or are new to the industry, GIS in the Rockies Conference will offer industry insights and opportunities for everyone.

Local chapters of the following member professional societies are involved in conference planning: [American Society for Photogrammetry and Remote Sensing \(ASPRS\)](#), [GIS Colorado \(GISCO\)](#), [Professional Land Surveyors of Colorado \(PLSC\)](#), and [Urban and Regional Information Systems Association \(URISA\)](#).

The conference is organized by the GIS in the Rockies Planning Committee. The planning committee generally consists of volunteer GIS professionals who currently work in the industry, although the committee is not limited to GIS professionals. If you are interested in joining the planning committee or have questions about the committee, please [contact us](#).

Welcome New Members!!

- Josip Adams
- Lawrence Beals
- Georgios Charisoulis
- Drew Jurkofsky, CMS
- Amy Elizabeth Larson
- Susan Ann Hunter Norman
- Jonathan C. Pomeroy
- Manuel Larsen Santos, GST
- Charles Roibert Staton

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Rocky Mtn Region Student Scholarship Program

In its continuing efforts to support and build awareness for the Remote Sensing and GIS / Geospatial Sciences, the Rocky Mountain Region of ASPRS is proud to announce its academic scholarship program for 2020-2021. The ASPRS-RMR offers scholarships to deserving undergraduate and graduate students every year. There will be at least one scholarship awarded (assuming sufficient applications are received) in the range of at least \$500 to \$1,000 each, depending on level of study (Bachelor’s, Master’s or Ph.D.).

The scholarships are intended for full-time students throughout the Rocky Mountain Region (Montana, Southern Idaho, Wyoming, Utah, Colorado and New Mexico) who demonstrate excellence while pursuing careers in the fields of Photogrammetry, Remote Sensing, and Geographic Information Systems (GIS) or related disciplines. Both undergraduate and graduate students of any third-level educational institution within the six-state Rocky Mountain Region who are pursuing careers in these disciplines are encouraged to apply.

Awards will be presented sometime in early 2021. Preference will be given to those studies that apply sound scientific principles to practical applications in the geospatial sciences (including Photogrammetry, Remote Sensing, Geographic Information Systems, and related disciplines). Awards at both the undergraduate and the graduate levels are based on academic merit; that is, the application form does not request any personal financial data.

Student membership in ASPRS is not required to apply, but if selected, membership is required before the scholarship is awarded.

You can download the application from the “Newsletters” page at <http://www.asprs-rmr.org> For more information or if you have questions, send an email to news@asprs-rmr.org

Applications should be submitted by the January 15, 2021 deadline.

(Be sure to follow submittal instructions on the bottom of the application.)

Student Rebate Offer

ASPRS Rocky Mountain Region will reimburse \$25 of the \$50 cost of student membership, so your net cost is only \$25 for all the benefits of membership in the Society!

Download the Student Membership Rebate Form at <http://www.asprs-rmr.org> (on the Student Chapters page). Here's the best part: ***This offer from the Region is good for every year you are a full-time student!***

Tech Tours, Social Networking

Let's get to know each other better! Be on the lookout for **Technical Tours** and **Social Networking Events** (aka Happy Hours) coming up. We encourage those of you in all areas around Montana, S. Idaho, Wyoming, Utah, Colorado, and New Mexico to organize your own get-togethers. Got an idea for an event in your area? Contact Sheila with ideas, suggestions, or questions. We can help you organize an event. We hope to hear from you soon! We'll be holding these as Virtual Events for the time being, according to the current CDC and local public health guidelines.

ASPRS Rocky Mountain Region contact:
news@asprs-rmr.org

[Rocky Mountain Region Website](#)

Student Advisory Council News

ASPRS SAC Newsletter is now available on [Twitter](#)

Rocky Mountain Compiler

Early Career Professionals Council (ECPC) News

Mission: The Early-Career Professionals Council (ECPC) engages and mentors early-career professionals, advocates continuing education, and fosters positive relationships between members transitioning from the member with Student distinction to the member without that distinction. ECPC encourages the dissemination of professional and institutional knowledge and standards through education, mentoring and technical opportunities; and works closely with the Society's membership staff, Student Advisory Council, and Corporate Members Council to strengthen the Society and its members. **Visit the ECPC page at**

<https://www.asprs.org/Early-Career-Professionals-Council.html>

Here, we try to bring you important information to help you along with your career, from important scholarship information, to highlighting web tutorials, offering mentorship opportunities, and information on useful geospatial events in your area!

Upcoming Events

RS Fire 2020: THE REMOTE SENSING & WILDLAND FIRE SYMPOSIUM SERIES

Co-Sponsored by ASPRS Pacific Southwest Region

RS Fire 2020 Symposium Dates & Times:

Monday, Nov 2, 3-5 PM Mtn Daylight Time (MDT)

Monday, Nov 9, 3-5 PM

Monday, Nov 16, 3-5 PM

Monday, Nov 23, 3-5 PM

Registration Coming Soon!

