

## President's Message

Dear Rocky Mountain Region Members of ASPRS,

We have had an exciting year in the Region. For the first time, we held a multi-day annual meeting, which allowed us to catch up with old friends, meet new ones, and acquire new knowledge and skills in a diversity of geospatial topics. We were able to award scholarships to deserving undergraduate, master's, and doctoral students. We received the "Region Newsletter of the Year" and "Region Website of the Year" awards from ASPRS National.

It has at times been difficult to reach out to you, largely because ASPRS National has been undergoing a major transition, with issues concerning both the organization's website settings and membership database. However, there have been a lot of positive developments at National in recent months. In addition, we have several new and motivated candidates on the ballot for our regional election. I thus expect to see an even stronger Rocky Mountain Region of ASPRS in the future.

I am stepping down as President of our Region. With so many positive changes on the horizon, however, you can be sure that I will continue to be an active member of ASPRS and the Rocky Mountain Region. I also hope that you will stay or become actively involved. Let us know how we can serve you better — we'd love to hear from you!

Best wishes,  
**Dr. Michaela Buenemann**  
**ASPRS Rocky Mountain Region President**

## National Director's Report

"The Other Kind of Smart" Professional Societies

Harvey Deutschendorf, author of **The Other Kind of Smart**, was recently highlighted at [www.fastcompany.com](http://www.fastcompany.com) regarding "7 Habits of Highly Persistent People." Embracing these habits may serve .org's like ASPRS as well. The list is provided below with some ASPRS challenges inserted, since the Society is again at a pivot point organizationally:

- **AN ALL-CONSUMING VISION** (What is ASPRS's Vision?) – Unknown – time for a revisit.
- **A BURNING DESIRE** (Does ASPRS's leadership have a desire for success?) – perhaps we need to find it.
- **INNER CONFIDENCE** (Does our membership possess confidence?) – Yes, and a reaffirmation is in order.
- **HIGHLY DEVELOPED HABITS** (Does our membership possess highly developed habits?) – Yes, due to our best practices culture.
- **ABILITY TO ADJUST AND ADAPT** (Can we adjust and adapt?) – Maybe – we have no choice.

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- COMMITMENT TO LIFELONG LEARNING (Are we Lifetime Learners?) – Yes, since our foundation technology is continually advancing.
- ROLE MODELS THAT ACT AS GUIDES AND MENTORS (Who are our Role Models?) – Unclear, but it is never too late to be coached.

Regarding the Rocky Mountain Region, we did receive recognition at the Denver ILMF/ASPRS Joint Conference on February 7, 2018 for our persistence in two areas. Our Newsletter and our Website were awarded the National honors for **Region Newsletter of the Year** and **Region Website of the Year** for 2017. Thanks to all who contributed, and special thanks are extended to Sheila Pelczarski, whose contributions were stellar. We were uncontested in the competition and, by the way, no **Region of the Year** award was bestowed this time, due to a lack of information from all Regions. The trifecta we hoped for was denied, but we remain in a special class among the Regions, as acknowledged by the Region Officers Council of ASPRS.

See <https://www.fastcompany.com/3044531/7-habits-of-highly-persistent-people> for the Harvey Deutschendorf article ... a great read.

As always, your comments are welcome ...

**Jeffrey M. Young**  
**ASPRS-RMR National Director**  
[jyoung@lizardtech.com](mailto:jyoung@lizardtech.com)

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## Rocky Mountain Region Student Scholarship Award Winners

Many thanks go out to all the students who applied to the 2017-2018 ASPRS-RMR Student Scholarship Program. Thanks also to the Review Committee for the time they spent reading and scoring the applications. Applicants were evaluated in several areas, including: appropriateness of field of study, quality of narrative, communication, letter of recommendation, enthusiasm, extra-curricular activity, and scholastic ability. Masters Degree Candidates were further evaluated for the quality and appropriateness of their research. Beyond that, PhD

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Candidates were also evaluated for uniqueness and innovation of their research. The Board of Directors of ASPRS-RMR wishes all the winners and applicants the best of luck in their future academic and professional pursuits. Please consider applying next year and let other students know about this great program. The Rocky Mountain Region has consistently awarded scholarships every year.

Congratulations to the scholarship award winners, all of whom are invited to speak about their research interests at our Annual Dinner Meeting (date and place TBD).

### *Scholarship Winners:*

**Undergraduate: Paige Ramsey** – New Mexico State University  
 Major: Geography (GIS&T and Human Environment Relations)  
 Career Choice: Conservation Planner, Urban Planner, Academic  
 Research Focus: Mapping and modeling the spatial distribution of conservation easements in the US using potential human and environmental explanatory variables  
 (Award = \$500)

**Master's Candidate: Sierra Aney** – New Mexico State University  
 Major: Geography  
 Career Choice: GIS & Remote Sensing Specialist  
 Research Focus: Landscape-scale modeling of tree mortality in north-central New Mexico, 1997-2005  
 (Award = \$750)

**Doctoral Candidate: Mehran Ghandehari** – University of Colorado - Boulder  
 Major: Geography  
 Career Choice: Geographic Information Science  
 Research Focus: Cross-scale analysis of surface-adjusted measurements in spatial analysis  
 (Award = \$1,000)

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***Stay tuned for upcoming Technical Tours and Social Events! Check out new professional opportunities and upcoming events on the Rocky Mountain Region [Website](#) ...***

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## ASPRS Certification

The ASPRS Certification Program now includes five levels of professional certification, including

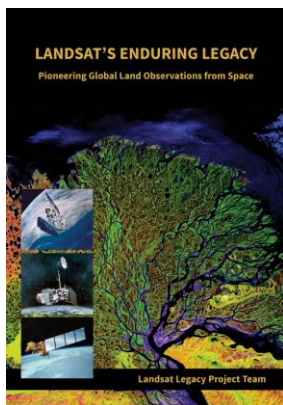
- Photogrammetry,
- Remote Sensing,
- GIS/LIS,
- LiDAR, and
- UAS (Unmanned Autonomous Systems),

as well as a Technologist level in each of the above disciplines.

*THE ASPRS CERTIFICATION PROGRAM FOR MAPPING SCIENTISTS, PHOTOGRAMMETRISTS AND TECHNOLOGISTS IS THE ONLY FULLY ACCREDITED CERTIFICATION PROGRAM IN THE GEOSPATIAL SCIENCES.* You can find [more information here](#).

## Landsat's Enduring Legacy

[Click here to order today](#)



After more than 15 years of research and writing, the Landsat Legacy Project Team has published, in collaboration with the American Society for Photogrammetry and Remote Sensing (ASPRS), a seminal work on the nearly half-century of monitoring the Earth's surface with Landsat. Born of technologies that

evolved from the Second World War, Landsat not only pioneered global land monitoring, but in the process drove innovation in digital imaging technologies and encouraged development of global imagery archives. Access to this imagery led to early breakthroughs in natural resources assessments, particularly for agriculture, forestry, and geology. The technical Landsat remote sensing revolution was not simple or straightforward. Early conflicts between civilian and defense satellite remote sensing users gave way to disagreements over whether the Landsat system should be a public service or a private enterprise. The failed attempts to privatize Landsat nearly led to its demise. Only the combined engagement of civilian and defense organizations ultimately saved this pioneer satellite

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land monitoring program. With the emergence of 21st century Earth system science research, the full value of the Landsat concept and its continuous 45-year global data archive has been recognized and embraced. Discussion of Landsat's future continues, but its heritage will not be forgotten. The pioneering satellite system's vital history is captured in this notable volume on [Landsat's Enduring Legacy](#). This book is now available from the [asprs.org Bookstore](#).

## Welcome New Members!!

Roberto Avila  
Tom Cochran  
Peter Davis  
Mehran Ghandehari  
Jim Greenberg  
Jennifer L. Horsman  
Doug Ouren

## 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!***

## GeoBytes

In addition to the ASPRS Webinars, our organization also offers free online seminars presented by ASPRS and sponsored by the ASPRS GIS Division, in cooperation with AAGS and CaGIS.

Attention those seeking ASPRS Certification: ASPRS Online Seminars are a great way to gain Professional Development Hours! [Click here to learn more](#)

## Bio Sketches -- Nominees for 2018 RMR Officer Election

### President:

Geographer **Jeffrey M. Young** was born near the physiographic boundary of the Endless, Moosic and Pocono Mountains, 3.2 kilometers northeast of the confluence of Roaring Brook and the Lackawanna River in Scranton, Pennsylvania. Currently at LizardTech, over the last nine years, Jeff has been responsible for expanding third-party relationships. He represents LizardTech at ASPRS, The Open Geospatial Consortium, UAS initiatives in Colorado, and also serves as a Friend of the Geospatial Data Acquisition Technologies AFB80 Committee for the Transportation Research Board. Prior to joining LizardTech, he held positions in program management, business development, consulting, and sales with several geospatial companies, including Leica Geosystems, Space Imaging, and Bentley Systems. Jeff earned a B.S. in Geography (cum laude) from Lock Haven State College in Pennsylvania and a National Science Foundation funded M.A. in Geography, specializing in land use analysis and environmental hazards, from Arizona State University (ASU). His master's thesis is titled *Land Use Management in Geological Hazard Areas: Durango East Quadrangle Colorado*. Jeff's interest in research persists, with most current studies related to hazardous mountain environments, Pueblo communities in New Mexico, geospatial data archiving and preservation, close-up photogrammetry, and toponymy. Jeff and his wife Pamela of 28 years live in Centennial, Colorado with their mid-20's daughter and son living nearby. Jeff enjoys deep sea fishing, biking, and golf when time allows and as well as traveling with his family. Jeff most recently served the ASPRS Rocky Mountain Region as National Director.

### Vice President:

**Michael Tuffly** is the Principal for Environmental Resource Inventory and Analysis LLC (ERIA Consultants, LLC) based in Boulder, Colorado. He is also a Certified Mapping Scientist, Remote Sensing from the American Society for Photogrammetry and Remote Sensing (ASPRS), a Certified Forester from the Society of American Foresters (SAF), a Certified Senior Ecologist from Ecological Society of America (ESA), and a GIS Professional (GISP) from the Geographic Information System Certification Institute (GISCI). Mike holds a B.S. in Forestry, an M.S. in Natural Resource Management from Humboldt State University and a Ph.D. in Forest

Science from Colorado State University in Fort Collins, Colorado, specializing in spatial temporal modeling. Dr. Tuffly has over 30 years experience in applied GIS and spatial modeling for federal, state, private, and nonprofit organizations. In addition, he has spent over 35 years addressing various fire, natural resource, and forest management issues in the United States and abroad. He is also an adjunct Professor in the Warner College of Natural Resources at Colorado State University in Fort Collins, Colorado and at the University of Denver.

### Treasurer:

**Peter Cornish** CMS GIS/LIS, GISP, has been providing geospatial consulting for 20 years and has been a member of ASPRS since 1998. He has worked in the private sector for several companies, including GPS Technology Corporation, Tobin International, PBS&J, and Atkins North America in positions of progressive responsibility for mapping and GIS. Peter formed his own company, Alpine Geomatics, LLC in Conifer, Colorado in 2017, and has since then been providing geospatial consulting services. Peter's work has primarily involved support for education research, environmental, and infrastructure projects. He enjoys working with clients on complex problems and developing creative approaches using his expertise in GIS and knowledge of mapping science to deliver solutions and successful outcomes. Peter's management experience with various companies and running his own business has contributed the organizational skills needed for Treasurer. He has supported the ASPRS Rocky Mountain Region in this capacity for the past year. In addition to ASPRS, Peter is a member of GISCI and the Society for Conservation GIS. He is a Certified Mapping Scientist GIS/LIS and a Geographic Information Systems Professional, and holds an Honors Bachelor's degree in Geography.

### Secretary:

**Leandro Gonzalez** is a Senior Product Quality Engineer at DigitalGlobe, Inc. He earned a Master of Applied Geography from NMSU in 2012 with a minor in Geographic Information Science and Technology. While a graduate student, he served as the ASPRS Student Director for the Rio Grande Chapter. At DigitalGlobe, Leandro is currently responsible for image quality specifications, standards, and parameters for all new projects and products, including their newest sensor, WorldView-4. Prior to the merger of GeoEye and DigitalGlobe, he worked for GeoEye, Inc. Leandro has been serving as the Rocky Mountain Region Secretary for the past year.

**National Director:**

**Terry Ryan** has been the Federal Sales Manager for LizardTech for several years and is responsible for the sales and distribution of LizardTech’s suite of software products used for managing, distributing and accessing large complex digital content, including aerial imagery, satellite imagery, and LiDAR data. Mr. Ryan has a long history working in sales, marketing and channel development for the geospatial and remote sensing industries, which makes him an ideal candidate for the National Director position. Before joining LizardTech, Terry worked for IntraSearch-MapMart as Director of Sales, providing remote sensing data, GIS base data, and GIS software to commercial and government users. Prior to that, he held the position of Sales Manager for Land Info International and provided GIS data and services to users across the globe. Mr. Ryan has also held other sales-related positions in the geospatial marketplace, including; Business Development Manager for Hitachi Software Global Technology, being responsible for development of partnerships with leading satellite imagery and aerial photography organizations around the US. Terry graduated in 1993 with a BA degree in marketing & advertising from Loras College in Dubuque, Iowa. He is a member of ASPRS, GIS Colorado, and GITA professional organizations. He is a former Secretary, Vice President, and President of the ASPRS Rocky Mountain Region.

**Regional Director (General / Wyoming):**

**Ramesh Sivanpillai** is a Senior Research Scientist with the Wyoming Geographic Information Science Center (WyGISC) and Department of Botany at the University of Wyoming. He received his BS in Physics from Bharathiar University (India), MS in Environmental Studies and Policy from University of Wisconsin – Green Bay, and PhD in Forestry from Texas A&M University. His research interests include the application of remotely sensed data for analyzing land cover changes, mapping crop growth in small fields, and estimating surface water area. He has conducted remote sensing projects in the US and India, Mexico, Nicaragua, Kazakhstan, Uzbekistan, Russia and Australia. Ramesh has been a member of ASPRS since 1997 and is a former Regional Director of the Rocky Mountain Region.

**Regional Director (“GIS in the Rockies” Committee):**

(Open – please notify us if you are interested in this position.)

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*Please Note:*

*No vote is required for the following positions:*

**Regional Director (At-Large / New Mexico):**

*Chris Lippitt (2-year term, 1 year remaining)*

**Regional Director (Communications / Newsletter):**

*Mike Garner (2-year term, 1 year remaining)*

**Regional Director (“GIS in the Rockies” Committee):**

*Jason Isherwood (2-year term, 1 year remaining)*

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**Your election ballot will be sent as a link in a separate email message.**

**Thank you for participating in our annual elections!**

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**Contact Us!**

All ASPRS Regions now have our own ASPRS.ORG email addresses. Should you ever want to reach out to the Rocky Mountain Region, send an email to [rockymountainregion@asprs.org](mailto:rockymountainregion@asprs.org) or to [news@asprs-rmr.org](mailto:news@asprs-rmr.org). We welcome suggestions for content and stories for our quarterly newsletter!

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**Early Career Professionals Mtg.**

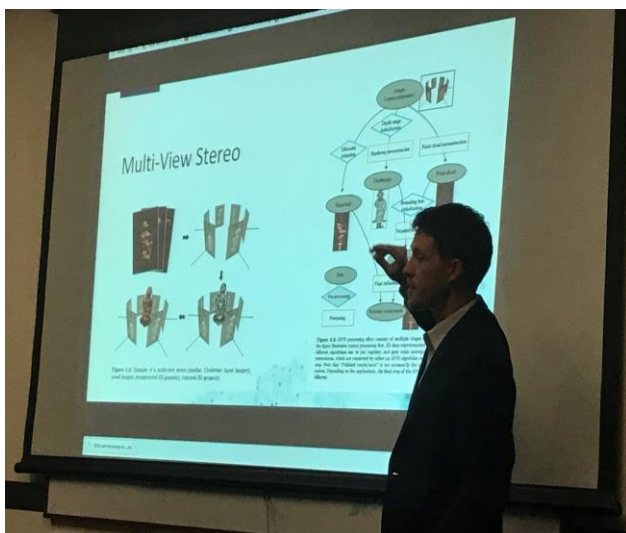
The Early Career Professional Council (ECPC) invites you to join us in our next open telecom meeting on **April 5<sup>th</sup> at 7:30 EDT**. We will address the needs of recent college grads, adult learners, and people of any age transitioning into the geospatial profession from another discipline. This will be an informative session aimed at identifying needs and exploring ways for ASPRS to better serve incoming professionals. Learn about our Rising Star program, mentorship opportunities, and more about how you can get the most out of your ASPRS membership. For information or to sign up, please email [earlycareer@asprs.org](mailto:earlycareer@asprs.org)

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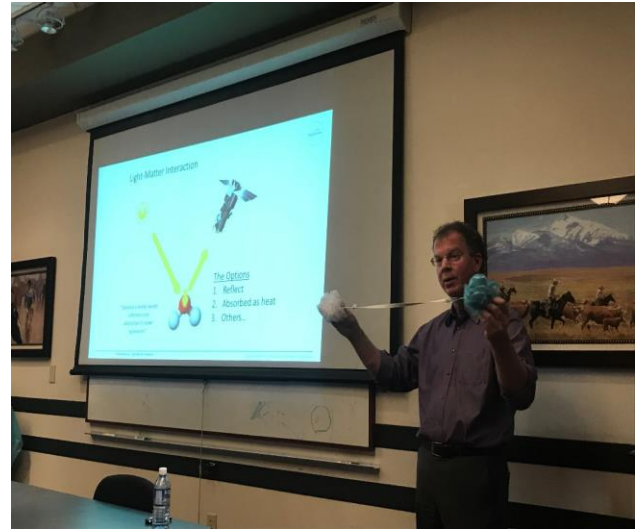
## RMR Annual Meeting Report

We held our first *multi-day* annual meeting 3-5 November 2017 at the Trails Recreation Center in Centennial, CO. About 20 people attended, including students, faculty, and professionals from a diversity of companies. While we hope to have greater attendance at upcoming meetings, last year's smaller setup was effective for testing out the new meeting format, which consisted of networking socials, workshops, and panel discussions over a period of three days rather than a single dinner event. Overall, we thought the new meeting format was a huge success!

The meeting began with an opening reception at the Lone Tree Brewing Company on Friday night. On Saturday, we had a Structure from Motion – Multi-View Stereo workshop, (Chris Lippitt, UNM), a GIS&T careers panel session (Michaela Buenemann, NMSU), an ASPRS certification information session (Chris Lippitt, UNM), and a WV-3 SWIR workshop (Bill Baugh (DigitalGlobe). Breakfast and lunch were served at the meeting venue and we went to LuBo's New York Pizza for dinner, with drinks sponsored by Jeff Young (LizardTech). On Sunday, we kicked off the meeting with breakfast and socializing. In addition, we had a panel session on GIS&T and public engagement (Cerian Gibbes, UCCS) and a workshop on Landsat data mapping applications (Ramesh Sivanpillai, UWYO). Thanks to all who presented and helped organize this event!



*Jesse Sprague (UNM) discussing multi-view stereo concepts.*



*Bill Baugh explaining light-matter interactions with sponges.*



*Dinner at LuBo's New York Pizza*

**(Thanks to Michaela Buenemann for submitting this report and photos!)**