



THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

~The Rocky Mountain Compiler~

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Newsletter of the Rocky Mountain Region of ASPRS, serving Montana, Wyoming, Colorado, and New Mexico

President's Message

It is with great pleasure that I was elected for a second year as your President. Last year was a very exciting and rewarding year for the Rocky Mountain Region (RMR). At that time I was a new President and still getting my feet wet. After one year in the saddle, I am now ready and eager to hit the ground running. Last year we had an excellent Board of Directors (BOD). We planned many local events and were also active at the national level. This year we also have a topnotch Board, including a strong New Mexico contingent from the University of New Mexico and New Mexico State University. I am confident this will be another fruitful year for the RMR.

Our student scholarship program was also a big success, with many qualified candidates. I am always amazed at the depth and breadth of the students who apply for the ASPRS RMR student scholarships. However, this does present an additional, but welcome, level of difficulty in choosing the student winners. I would also like to thank Exelis for their generous donation of student copies of ENVI software for the second-place winners. This is the second year in a row that Exelis has provided software to the student scholarship winners. Without the donation of software from ENVI and the devotion of time by the RMR BOD, the student scholarship program would not be nearly as successful. It is paramount importance that ASPRS RMR

continue to perpetuate the student scholarship program well into the future.

At our upcoming annual dinner, two of the student scholarship winners will present their research. So please attend this great event. For more information on the annual dinner, new RMR Board of Directors, and the student scholarship winners, please continue reading the pages of this newsletter. Thank you for your time.

Dr. Michael Tuffly

Annual Dinner Announcement

Come celebrate our 66th year as an ASPRS Region on **Saturday, February 21, 2015** at the ASPRS-RMR Annual Dinner Meeting. This year's meeting will be held at the CompassData Offices at 12353 E. Easter Ave., Centennial, CO 80112 (Latitude 39° 35' 18.75252"N - Longitude 104° 50' 43.75276"W). The Dinner will be catered by Carmine Lonardo's Italian Deli.

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----- Reservations are required -----

The cost for dinner is **\$30 per person**. Please **bring your check to the Dinner, payable to ASPRS RMR**. To make a reservation and entrée preference (on a first to order basis), please choose from Veggie Lasagna, Chicken Parmesan, or Sausage/Meatball Pasta with Marinara Sauce. Please note that an antipasto appetizer, salad, Italian bread, soft drinks, coffee, tea, dessert and a 2-drink limit beer and wine are also provided with the Dinner. **Please contact Jeff Young by 2:00pm (MST) on February 19th, by email jyoung@lizardtech.com to place your reservation and entrée preference.**

We look forward to seeing you there!

ASPRS-RMR Annual Dinner Agenda

The Annual Dinner is a great networking opportunity! This year's program will include the presentation of scholarship awards, swearing in of new officers, and our very special guest speaker, **Brant Howard**.

6:00pm - 6:45pm

- Arrival and Social Interactions
- Welcome
- Introduction of 2014 Board
- Brief Year in Review

7:00pm - Dinner

After Dinner Keynote Speaker: **W. Brant Howard**, Co-Founder and CEO of CompassCom. Brant co-founded CompassCom as a self-funded startup in 1994 and has grown it into three successful businesses based on GIS, GPS, and wireless technology, including CompassData. He developed the innovative idea of owning and licensing Ground Control Points, and created an Archive. Prior to being an entrepreneur, Brant was a hydrogeologist with the US Geological Survey, Water Resources Division. He supervised well drilling and completion, pump tests and field inventory efforts. Brant holds Bachelors and Masters degrees in Geology with a specialty in hydrology from Indiana University, Bloomington. Memberships include APCO, APWA, ASPRS, CSIA, GITA, and MAPPS. A former board member of MAPPS national, he has been instrumental in founding the new Colorado MAPPS chapter.

- Introduction of Student Scholarship Winners
- Synopsis of Research by Award Winners
- Induction of 2015 ASPRS-RMR Board
- Goals for 2015
- 9:00pm - Closing

National Director's Report:

Embrace our Future – National Director Reflections

As the National Director for the ASPRS RMR and a member of ASPRS' Executive Committee, I ask all of our members to join me in embracing our future and respecting our, rightfully proud, and enriched past. Our future provides us the opportunity for a new start to shape our vision and execute plans into daily actions as effective, well-prepared geospatial practitioners. We have been, and are, a world class foundry for global geospatial innovation. Precise and accurate definition of position, representative descriptions of locations and robust characterizations of places are at the core of our skill set. We should endeavor to support and enhance ASPRS' position as a thought leader in everything geospatial. We serve the needs of our individual and sustaining members by being persistent innovators and advocates of the ethical application of geospatial technologies. This perpetual geospatial innovation and persuasive advocacy imperative serves as ASPRS' heartbeat and truly differentiates ASPRS from other geospatial member organizations.

We collect and manage massive data sets and comprehensively model landscapes to address local-to-global natural hazards and human-induced problems facing our earth and those who inhabit its surface. Future risks as a professional society are manageable, but the perils before us will require some shedding of old ways with keen eyes on the horizon for continued refinement of current best practices and early adoption of geospatial technological innovations. Our stated purpose, posted at www.asprs.org, challenges our membership to promote "... accurately described and widely available imaging and geospatial information that is broadly applied to improve the analyses and decisions necessary to sustain and enhance the global quality of life." That purpose must be balanced with our strategy for a prosperous future; our membership culture—current and future; our contemporary and ever improving professional interactions; our passionate refinement of geospatial standards and practices; our effective administration and growth of germane geospatial certifications; our intermittently morphed divisional, committee, and regional structure; and professional, hired staff operations reflecting a flexible, planned change approach.

We need to build a foundation for the future, not a monument exclusively reflecting our past. With that said, we do have a strong foundation and tradition to build upon with members and leadership from government, academia and the private sector. The

door is wide open for a new and diverse membership with our educational and young professional outreach, and professional geo-collaboration leading the way. Let's mark our place in the geospatial community with enthusiasm and apply our broad and in-depth domain expertise to measure, monitor and model the earth, oceans, biosphere and atmosphere. We are only bounded by our collective geo-collaborative imagination in the Geospatial Golden Age.

I welcome your thoughts and comments on the Future of ASPRS.

ASPRS RMR National Director --- Jeffrey M. Young
10 February 2015, jyoung@lizardtech.com

GIS in the Rockies Conference 2015 – Save the Date



Join us September 23 & 24, 2015 in Denver, Colorado for the 28th annual GIS in the Rockies Conference - the Intermountain West's premier geospatial information and technology conference.

GIS in the Rockies returns to The Cable Center in Denver in 2015 offering the best opportunity yet to stay abreast of industry trends and technologies, grow your knowledge base, and expand your networking reach. The conference looks forward to hosting GIS professionals, educators, students, and those just interested in learning more about GIS.

GIS in the Rockies registration opens in early March. Watch your inbox and GISintheRockies.org for updates and more information. (Pre-conference workshops & exhibitor set-up September 22.)

Questions about GIS in the Rockies? Email chair@gisintherockies.org. Check out [this year's website](#) for additional details on conference agenda and registration.

2015 Region Board of Directors Election Results

Congratulations to our newly elected Rocky Mountain Region Officers for 2015!

President:

Mike Tuffly

Vice-President:

Michaela Buenemann

Treasurer:

Mike Vessel

Secretary:

Ahmed Elaksher

National Director (3-year term):

Jeff Young

Regional Director (Communications / Newsletter – 2-year term):

Mike Garner

Regional Director (“GIS in the Rockies” Committee – 2-year term):

Harold Schuch

Regional Director (At-large / New Mexico – 2-year term):

Chris Lippitt

Welcome back to our continuing Officers!

Regional Director (General / Montana - 2-year term, 1 year remaining):

Catherine Maynard

Regional Director (“GIS in the Rockies” Committee - 2-year term, 1 year remaining):

Mark Bowersox

(Note that Past President Mark Stanton (2013 RMR President) took a job in Florida last year and is now living outside our Region.)

We would like to extend a warm welcome to our new Board members **Ahmed Elaksher, Harold Schuch,** and **Chris Lippitt**.

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At the same time, we offer heartfelt thanks to three outgoing officers for their dedicated service to the Region and the Society:

\* **Harold Cline** – Vice President,

\* **Chris Sheil** - Secretary, and

\* **Tillman Saylor** – Regional Director (“GIS in the Rockies” Committee).

Your continued involvement in Region activities is always welcome, and we hope to see you at the Annual Dinner!

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## Region Scholarship Winners

Many thanks to all the students who applied to the 2014 ASPRS-RMR Student Scholarship Program. This year we had many well qualified applicants. Applications were evaluated in several areas, such as: appropriateness of field of study, quality of narrative, communication, letter of recommendation, enthusiasm, extracurricular activity, and scholastic ability. It was indeed a difficult decision to make among all the well qualified candidates. The Board of Directors of ASPRS-RMR wishes all the applicants the best in their academic and professional careers. In addition, please consider applying next year and let other well qualified candidates know about this great program. ASPRS-RMR is extremely grateful to Exelis Visual Information Solutions <http://www.exelisvis.com/> for the generous donation of ENVI software for our second place winners.

All the candidates are invited to our Annual Dinner.

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1st place Scholarship winners:

Bachelor's Candidate: **Regina Beger** – University of Colorado at Colorado Springs
Major: Geography and Environmental Science
Career Choice: GIScience Research and Analysis
(Award = \$500)

Master's Candidate: **Andy Loerch** – University of New Mexico
Major: Geographic Information Science
Career Choice: Remote Sensing & GIScience Researcher / Professor
(Award = \$750)

Doctoral Candidate: **Su Zhang** – University of New Mexico
Major: Civil Engineering, Geographic Info. Science
Career Choice: Academia
(Award = \$1,000)

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### **2<sup>nd</sup> place Scholarship winners:**

Master's Candidate: **Will Brewer** – University of New Mexico  
Major: Geography  
Career Choice: Remote Sensing Professor or Professional  
(Award = 1-year ENVI software license)

Doctoral Candidate: **Jennie Sturm** – University of New Mexico  
Major: Archaeology  
Career Choice: Archeological Remote Sensing  
(Award = 1-year ENVI software license)

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3rd place Scholarship winners:

Master's Candidate: **Eric Rounds** – Colorado State University
Major: Anthropology (International Development)
Career Choice: Remote Sensing Scientist for Int'l Development and Natural Resource Management
(Award = Textbook)

Doctoral Candidate: **Hamid Zoraghein** – University of Colorado at Boulder
Major: Geography
Career Choice: Geographic Information Systems
(Award = Textbook and 50 ASPRS Bucks)

The textbooks are: **Remote Sensing of Human Settlements**, Edited by Ridd and Hipple;
and **Manual of Airborne Topographic Lidar**, Edited by Michael Renslow.

Student Rebate Offer

The Rocky Mountain Region will reimburse \$25 of the \$50 cost of Student Membership in ASPRS, 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 News & Events page). Here's the best part: ***This offer from the Region is good for every year you are registered as a full-time student!***

2015 New Mexico Professional Surveyors Conference

This year's conference is being held in Albuquerque on March 20-21st. Registration is now open and details can be found [using this link](#).

ASPRS UAS Technical Demo and Symposium

[UAS Mapping 2015 Reno](#)

The American Society for Photogrammetry and Remote Sensing (ASPRS) is hosting its 2nd Annual Unmanned Aerial Systems (UAS) Symposium and Technical Demonstration! We encourage your participation in this event, which will draw a national audience and demonstrate regional leadership and collaboration. Early registration discount available: **MARK YOUR CALENDARS AND PRE-REGISTER.**

2015 TECHNICAL DEMONSTRATION AND SYMPOSIUM -

- Great speakers and industry-leading technical content is already lined up for 2015 and we anticipate the test flights, on-site data processing, and live demos will be even better than last year!



Purpose: To assemble UAS developers and researchers, along with geospatial service providers and users of geospatial map data, to share information, showcase new technologies, and demonstrate UAS systems in action (in flight).

Mission: To advance knowledge and improve the understanding of UAS technologies and their safe and efficient introduction into our national airspace, government programs and business.

Highlights of the symposium:

- Demonstrations (in-flight) of UAS technologies
- Test flights and on-site data processing
- Data processing training workshops
- Collaboration opportunities among users, mapping professionals, government, academia, developers, and UAS product and service providers
- Exhibitor floor, including attendee breaks and lunch
- Speakers and presentations on relevant UAS topics

Suggested attendees:

- Users and potential users of UAS products and services
- UAS product and service providers
- Aerial mapping, survey, and geospatial firms
 - Companies with UAS interests and business plans
- Government agencies interested and involved in UAS technologies
- Government agencies driving the implementation of UAS policy
- UAS companies -- software, hardware, system developers and integrators

- Academia, research institutions, UAS training institutions
- Students in geospatial, survey, robotics, UAS
- Anyone else in the geospatial community!

Attend the Annual LiDAR Mapping Conference and Exhibition

FEBRUARY 23-25, 2015 in DENVER, COLORADO

International LiDAR Mapping Forum is the only platform-neutral event focused exclusively on LiDAR technology. You'll learn about the latest advances in technology and hear about industry changes and developments first-hand from industry experts. Find out about the latest LiDAR technology to hit the market, new data fusion/classification and processing techniques and the increasing integration of key technologies. Listen to case studies highlighting actual experiences and lessons learned.

Access the strategic contacts, cutting-edge hardware and software, and expert education that will give you a first-hand look at the current state of LiDAR technologies and applications.

International LiDAR Mapping Forum (ILMF) is a technical conference & exhibition focused on data acquisition, fusion, processing & point clouds for airborne, terrestrial and underwater LiDAR used to support transport, urban modelling, coastal zone mapping, utility asset management and more.

- Hear about industry changes and developments from industry experts
- Find out about data capture systems, data fusion/classification and processing techniques and the increasing integration of key technologies
- Listen to case studies highlighting actual experiences and lessons learned
- Find the newest LiDAR products, technologies and services on an exhibit floor of system and component manufacturers, operators and service providers
- Network with hundreds of experienced LiDAR professionals

MarketsandMarkets recently reported that the global LiDAR market will grow by more than 15% annually over the next five years to reach \$551.3 million by 2018. ILMF 2015 is the ideal place to seize the abundant opportunities in the market.

