



# THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

## ~The Rocky Mountain Compiler~

Issue 4

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Issued Quarterly

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

### President's Message

To my fellow Rocky Mountain Region members of ASPRS; Here's wishing you a very Happy New Year!!



As you know, I like to color the Newsletter and provide a "remotely sensed" image of my own for fun. This photo was taken by cell phone camera while eye level with the Grand Teton and aboard a twin engine Cessna used for collecting remote sensing data. One of the benefits of collecting data in the Rocky Mountain Region is the majestic views we get right in our own back yard. The Grand Teton is a part of the youngest mountain range within the vast Rocky Mountains

that form the backbone of our local ASPRS Region.

Our Region has had an eventful fall season with Technical Tours of both Laser Technology, Inc. and Merrick and Company. Both tours had good attendance from our members and all attendees were favorably impressed by the professional and informative tours. We plan to continue offering tours to our members and all ideas and wishes for future tours are encouraged. We will also try to hold Region based Workshops and Webinars to supplement those offered at the National Level through the [Webinar](#) program, so don't skip those announcement emails!

**MARK YOUR CALENDARS!** The Rocky Mountain Region will be having our Annual Dinner and Meeting, Saturday, February 1<sup>st</sup> at the Perfect Landing Restaurant at Centennial Airport south of Denver. We will have the honor of this year's speaker **Gar Clarke** at the dinner. Gar Clarke is the New Mexico Broadband Program Manager and he

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will talk about the New Mexico Broadband Mapping Program.

A few other events of note:

The ASPRS is proud to once again sponsor the International LIDAR Mapping Forum to be held in Denver from February 17<sup>th</sup> to 19<sup>th</sup>. ASPRS will hold "Hot Topics" sessions beginning at 10 AM on Monday the 17<sup>th</sup> before the exhibit hall opens later at 1 PM. Topics include discussions about the draft new ASPRS accuracy standards for Digital Geospatial Data, the USGS-ASPRS joint research on developing internal data quality metrics for LiDAR and a summary of ASPRS LiDAR Activities and Needs. Be sure to sign up before January 18<sup>th</sup> to take advantage of early registration discounts.

Check the latest December 2013 issue of PE&RS to review a copy of the draft ASPRS Accuracy Standards for Digital Geospatial Data.

Students, we have evaluated the many applications for Scholarships! We received lots of good applications and the winners are announced in this issue. The Scholarship awards will be presented at the Annual Dinner Meeting on February 1<sup>st</sup>.

We have received nominations for open positions on the Rocky Mountain Region Board of Directors. Read the short biographical sketches of our new nominees and then look for an email ballot to cast your vote in the very near future. New officers will be sworn in at the Annual Dinner on February 1<sup>st</sup>.

Lastly, it is with a very heavy heart and extreme sadness that I convey to those of you who have not heard, the passing of our longtime Associate Executive Director and Communications Director at National ASPRS headquarters, **Kim Tilley**. Kim passed away suddenly over the holidays at her home in Bethesda, MD. As Executive Director **Jim Plasker** stated in his announcement to board members, "Kim was a very critical resource to ASPRS, not only to her fellow staff members but to the Society leadership and membership at large. Her contributions to the health of the Society have been numerous; while those such as her unending commitment to and support for the students are well understood, many of her other contributions have been well below the radar screen and thus mostly invisible to the membership. Nevertheless, ASPRS would not be where it is without Kim's untiring devotion." I am sure many of you are familiar with Kim's name at the very least, since she has been the one sending the many National ASPRS email announcements regarding activities within our society. Additional information and a Guest Book are [available online](#).

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As always, all are welcome to join our local region meetings held once per month by teleconference. For more information about getting involved, contact any one of the Rocky Mountain Region Board members listed at our award-winning website: <http://www.asprs-rmr.org>

Yours Sincerely!

**Mark Stanton**

Rocky Mountain Region, ASPRS, President  
[mark.stanton@premiergeospatial.com](mailto:mark.stanton@premiergeospatial.com)

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## Annual Dinner Announcement

Come celebrate our 65th year as an ASPRS Region on **Saturday, February 1, 2014** at the ASPRS-RMR Annual Dinner Meeting. This year's meeting will be held at a new location, the [Perfect Landing Restaurant at Centennial Airport](#) in the southeast Denver metro area. The address is 7624 S. Peoria St., Englewood, Colorado 80112

*~ Please note: Reservations are required ~*

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 a very spatial guest speaker, Gar Clarke, New Mexico Broadband Program Manager.

### Planned Agenda for the Evening:

- 6:00 pm - Arrival and Cocktails (Cash Bar)
- 6:45 pm Welcome, Introduction of 2014 Board
- Brief Year in Review
- 7:00 pm - Dinner
- After Dinner:
  - Guest Speaker
  - Introduction of Student Scholarship Winners
  - Synopsis of Research by Award Winners
  - Induction of 2014 ASPRS-RMR Board
  - Goals for 2014
- 9:00 pm – Closing

The cost for dinner is **\$30 per person**. *Please bring your check to the dinner.* To make a reservation and entrée selection (Prime Rib, Vegetarian, or Salmon), please contact Jeff Young by 2:00pm (MST) on January 24<sup>th</sup>, 2014, by email [jyoung@lizardtech.com](mailto:jyoung@lizardtech.com)

*We look forward to seeing you there!*

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## National Director's Report: Objects in our Society's Mirror are Closer than they Appear ... Yes, Our New Executive Director is coming!

As most of you are aware, ASPRS has conducted an extensive search for a new Executive Director after **Jim Plasker** announced his retirement last July. Over the seventeen years that Jim served us, we have undergone significant changes in the demographics and core competencies of our membership and we have seen new technologies like LiDAR and drones redirect our focus. I participated in an oversight capacity on the Search, Compensation and Selection new Executive Director recruitment process. **Dr. Michael Hauck** was officially announced to fill this crucial role on the 6<sup>th</sup> of this month (more information can be found later on in this newsletter). We are at a critical period as an organization with a daily challenge to recruit, retain and reward our membership and to express our value proposition to our members. I encourage your contribution on our next round of strategic planning. Please contact me at [jyoung@lizardtech.com](mailto:jyoung@lizardtech.com). Our expectations are high for this process and the fresh perspective and impact our new Executive Director will bring.

As stated in the ASPRS Bylaws: "... The Executive Director shall be responsible for the administration and management of the Society subject to the policy guidance of the Board of Directors through the President." Position Essentials are as follows: Execute the vision of the elected Board of Directors; Ensure the organization maintains its mission focus in day-to-day operations; Serve as a leader for tactical planning; Provide strategic guidance; oversee and facilitate the implementation of the strategic goals and objectives of the organization; Enable the Board to fulfill its governance responsibilities with the President and other Officers; Prepare and execute annual budget consistent with long-term financial stability; Develop and execute plans to promote the ASPRS professional presence, working with the Executive Committee, the Board, the Technical Divisions, and the Councils; Work cooperatively with Region officers and councils to advance the mission of ASPRS through locally-based technical programs; Supports and encourages membership growth initiatives; Maintain effective and quality service throughout the Society's constituency by working cooperatively with both member and non-member groups and individuals; Effectively manage the internal affairs of the Society as governed by the ASPRS Bylaws; and Collaboratively represent ASPRS to other professional societies and industry, government and academic forums.

At this juncture, a key core competency of the New Executive Director will be as stated in our position description, the **Facilitation of the Mission and Strategic Goals of the Organization** to include:

- Working with the Executive Committee on the periodic review of the Strategic Plan and publishing the revised document;
- Assisting implementation plans to reach organizational goals and technical objectives as determined by the Board of Directors, the Technical Divisions, and the Strategic Plan pursuant to the ASPRS Bylaws;
- Displaying initiative in developing action plans and/or resolving problems as they occur, in consultation with the Officers and members of the Board;
- Interacting routinely with individual and sustaining members, interested geospatial government agencies, staff, and counterpart organizations in the non-profit sector; and
- Recognizing and bringing to the attention of the President and the Board issues that affect the organization.

The talents of our new Executive Director and the elected Board will be tested early and often and I believe the appointed Executive Director is very much up to the challenge. I encourage you all to please provide support to our HQ staff and revitalized management, our elected Board and particularly to our members ... students, associates, active and sustaining organizations alike. This support is now even more important with the passing of **Kim Tilley** on December 27<sup>th</sup>, 2013. Many of you may have dealt with Kim periodically in her capacity as ASPRS' Associate Executive Director and Director of Communications. She will be missed.

I hope to see many of you at our Annual Dinner, at the International LiDAR Mapping Forum (ILMF), at the ASPRS Annual Conference in Louisville, Kentucky, or similar events down the road.

Happy New Year,  
**Jeffrey M. Young**, National Director, ASPRS-RMR  
303-815-2254 (cell), [jyoung@lizardtech.com](mailto:jyoung@lizardtech.com)

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## ASPRS Appoints Dr. Michael Hauck as Executive Director

BETHESDA, Md., January 6, 2014 -- ASPRS announces the appointment of **Dr. Michael Hauck** as the incoming ASPRS Executive Director. Outgoing Executive Director, **James Plasker**, announced his retirement from ASPRS, effective January 10, 2014. Hauck becomes only the fourth Executive Director in the past 47 years of the organization's history. Both incoming and outgoing Executive Directors look forward to working together to ensure a smooth and effective transition.

Hauck has over 20 years of experience in the creation and application of remote sensing and geospatial information technologies. Reflecting the diverse membership of ASPRS, he has practiced in academic, government, Fortune 500, and start-up settings; and in industries that include transportation, energy, telecommunications, and defense. In addition to technical breadth, he is a versatile, collaborative, and adaptive leader with over a decade of general management experience that includes both board and executive positions in not-for-profit organizations. His volunteer work includes service on local, State, and National boards, e.g., the Venture West Network of entrepreneurs, the State of Wyoming Telecommunications Council, and the Transportation Research Board of the National Academies. His key scientific accomplishment has been the acquisition, processing, and interpretation of the first-ever deep seismic reflection profiles through the Himalayas, which were part of his PhD dissertation in Geological Sciences at Cornell University. Beyond training in science and engineering, Hauck is also a student of science and technology communications, and a graduate of the Leadership Wyoming trustee leadership development program.



In accepting his appointment, Dr. Hauck said in part, "I am excited about the opportunity to join you, the other officers and directors, councils, advisory groups, members, and external stakeholders as we collectively advance the goals of ASPRS. The women and men of ASPRS have immense technical depth across a broad range of disciplines that few professional societies can match. The work of ASPRS members is integrated into so many aspects of modern life that it is easy to take their work for granted. From the internal workings of GPS to the imagery embedded in the daily weather forecast,

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ASPRS members are behind the scenes making it all work for the betterment of humankind. Whether they serve in academia, government, or industry, I want to help members tell their stories, maintain their skills, grow in their profession, inspire others to join us, and build the future in an ethical way that honors the public support that ASPRS receives. I am honored to be asked to join this winning team."

Speaking on behalf of ASPRS, President Steve DeGloria expressed his excitement and enthusiasm for the appointment of Dr. Hauck as an effective leader of our professional society and geospatial community, "All of us welcome Michael and look forward to working with him, headquarters staff, and our volunteer members to build and sustain ASPRS as a professional organization and to advance imaging and geospatial science and technology for all of society in the coming years."

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## Welcome New Members!

Bennett Allen  
 Diane Ambrose  
 Greg Ambrose  
 Laura Augustine  
 Matt Brown  
 Troy Gerhardt  
 Ian Hill  
 William Hayden Howard  
 Matt Hutchinson, Ph.D.  
 Scott Kaufman  
 Ryan McCarley  
 Jeff Meyer  
 Kent Park  
 John Stamp  
 Jonathan Swan  
 Cassie Tamblyn  
 Gaurav Thapa  
 Andrew White  
 Brad William

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## Student Rebate Offer Increased

ASPRS National Membership dues increased Jan. 6; so has our 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 a full-time student!***

## 2014 Region Board of Directors Election

It is time once again to elect the ASPRS-RMR Board of Directors for 2014. This is a golden opportunity for ASPRS-RMR members to participate in shaping the region, identifying initiatives, and setting the priorities for ASPRS-RMR. The slate of candidates and positions is listed below with their associated biographical sketches. As in years past, this election will be conducted by e-mail.

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### 2014 Positions and Nominated Candidates:\*

President: 1-year term – **Mike Tuffly**

Vice President: 1- year term – **Harold Cline**

Treasurer: 1-year term – **Mike Vessel**

Secretary: 1-year term – **Chris Sheil**

Regional Director (Montana): 2-year term – **Catherine Maynard**

Regional Director (GIS in the Rockies): 2-year term – Two Candidates:  
**Mark Bowersox, Harold Schuch**

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*\*Please Note:*

*No vote is required for the following positions:*

National Director:

**Jeff Young** (3-year term, 1 year remaining)

Regional Director (At-large/New Mexico):

**Michaela Buenemann** (2-year term, 1 year remaining)

Regional Director (GIS in the Rockies):

**Tillman Saylor** (2-year term, 1 year remaining)

Regional Director (Communications/Newsletter):

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

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## Nominee Biographies

**President: Mike Tuffly**, is the Principal for Environmental Resource Inventory and Analysis LLC (ERIA Consultants, LLC) in Boulder, Colorado. He is also a Certified Mapping Scientist -- Remote Sensing from the American Society for Photogrammetry and Remote Sensing (ASPRS), Certified Forester from the Society of American Foresters (SAF), 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. Dr. Tuffly has over 25 years of experience in applied GIS and spatial modeling for federal, state, private, and nonprofit organizations. In addition, he has over 30-years experience 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. Mike Tuffly is currently serving as the ASPRS-RMR Vice President.

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**Vice President: Harold Cline** is a Colorado native, who grew up with a love for science and the outdoors. A degree in Geophysical Engineering from the Colorado School of Mines in 1982 gave him the opportunity to pursue both loves at the same time. Harold thrived on a diverse mixture of earth sciences projects in mineral exploration, frontier oil & gas exploration, geothermal mapping and environmental engineering from one corner of North America to the other. In the early 90's, Harold 'retired' his knees from field work and forged a second career by pursuing a Masters degree in Medical Physics from the University of Colorado, became board certified by the American Board of Radiology and practiced clinical medical physics along the Front Range of Colorado.

An opportunity to work with some of the world's leading scientists in both earth sciences and medicine brought Harold to Research Systems in Boulder, Colorado where IDL and ENVI software allowed scientists to realize amazing software solutions on their own. When Research Systems became a Kodak Company, Harold worked with scientists and engineers around the world as a product manager to build products that addressed their needs in remote sensing and geospatial applications. An opportunity to live and work in the geospatial intelligence community with ITT Visual Information Solutions took Harold and his family to the Washington, DC area for 4 years. Harold then brought his passion for teaching back to Colorado

with Exelis Visual Information Solutions where he developed training programs, seminars, webinars, and user group meetings focused on the pragmatic application of remote sensing technologies to military and civilian applications, LiDAR applications, and the effective integration of remote sensing and GIS in the types of real-world scenarios geospatial professionals encounter in their work every day.

**Treasurer: Mike Vessel** has worked in the geospatial industry for 16 years and resides in Longmont, Colorado. He received a BS in geography from New Mexico State University in 1997 and has since worked in the aerial survey, mapping, and remote sensing industries, specializing in project and production management. Mike is an ASPRS Certified Photogrammetrist (currently inactive status, pending recertification) and a GISCI certified Geographic Information Systems Professional (GISP), and is also licensed by the State of Oregon and the Commonwealth of Virginia. In 2011-2012, Mike served on the ASPRS Rio Grande Chapter Board as a Chapter Director, and he has volunteered in numerous capacities related to geospatial industry advocacy and awareness over the course of his career. Currently, he is a Senior Project Manager in Operations at DigitalGlobe with a focus on major commercial projects.

**Secretary: Christopher R. Sheil** is a native of Colorado, having grown up in Lakewood. He graduated from the University of Northern Colorado in 2007 with a Bachelor of Arts degree in GIS. While a full-time student, Chris worked with Pepsi as a merchandiser while also holding an internship at the North Front Range Metropolitan Planning Association (NFRMPO) in Fort Collins, Colorado. At the NFRMPO he assisted in the execution of freight planning for the 2035 Regional Transportation Plan, as well as the completion of a Human Services Plan. Just prior to graduation from the University of Northern Colorado, Chris was offered a full-time position at the NFRMPO as a Transportation Planning Technician.

In 2009 Chris left Fort Collins to start his family back home near Denver. He began working for MapMart.com (IntraSearch, Inc.), a full service aerial and satellite topographic mapping business in March of 2009 as a member of their sales team. Working in sales allows him to work closely with remote sensing data users in the geospatial industry and allows for exposure to endless geospatial markets while providing a full range of services, including satellite imagery, aerial photography and survey, contour vectors, and custom digital elevation model generation. Chris Sheil is currently serving as ASPRS-RMR Secretary.

**Regional Director (Montana): Catherine Maynard** is a natural resource analyst for the USDA Natural Resources Conservation Service (NRCS) in Montana. She has over 20 years' experience coordinating the design and implementation of natural resource assessments and applying geospatial analysis in statewide and local projects such as rangeland inventory and assessment, watershed characterization, wetlands conservation, precision agriculture, and land cover mapping. Her current projects include applying remote sensing to natural resource inventories, developing classification and modeling techniques for estimating the productivity of rangeland vegetation, and providing training in remote sensing and geospatial analysis to tribal and federal natural resource specialists. She has a Ph.D in Land Resources and Environmental Science from Montana State University - Bozeman where her research focused on developing remote sensing techniques for evaluating rangeland vegetation. She received her MS in Forest Ecology and Soil Science from the University of Montana - Missoula and her BS in Environmental Science from Utah State University - Logan. She is also a certified GIS professional (GISP). Catherine and her husband live in the historic mining town of Rimini, MT in the shadow of majestic Red Mountain.

**Regional Director (GIS in the Rockies):**  
 ~~~~~ **\*\*\* Two Candidates \*\*\*** ~~~~~

**Mark Bowersox** earned a BA in Geography from the State University of New York College at Geneseo in 1997 and an MA in Geography from Michigan State University in 1999. Mark is currently a Solutions Engineer for Exelis Visual Information Solutions in Boulder, Colorado. In this role he primarily works with Defense and Intelligence customers to ensure their imagery analysis needs are fully met by the ENVI commercial suite of software. Mark is a team lead and functional coordinator of a group of 5-7 solutions engineers. He has experience planning and executing outreach events from small workgroup-sized seminars to large conference events. Mark has also held positions with Exelis Visual Information Solutions as Senior Technical Applications Engineer and Technical Marketing Specialist.

Prior to his 2008 move to Colorado, Mark worked as a Research Scientist with Exelis Geospatial Systems (formerly ITT Space Systems Division) in Rochester, New York, and also as a GIS Analyst and GIS Manager for local governments in Upstate New York. Mark currently lives in the Washington Park neighborhood of Denver with his wife Kelle and daughter Avery.

**Harold Schuch**, A Colorado resident since 1979, Harold holds four citizenships (including US), has changed culture four times, and is still fluent in six languages. Immersed in the world of Geodesy, photogrammetry and GIS since 1971, he loves the stuff, and acts as consultant and instructor. His main motto is to “deploy technology responsibly” and he likes to act as a bridge between technology camps (mapping, surveying, GIS).

Harold completed several years’ worth of Electrical Engineering in Chile, then got a B.Sc. degree in Geodetic Sciences at Ryerson University in Toronto, next a M.Sc. degree in Photogrammetry and Remote Sensing at the University of Washington (Seattle), capped by courses at Colorado State University in Fort Collins (toward a Ph.D. in Hydraulics and Hydrology).

Work activities include programming, consulting and training. Initially, Hasp, Inc. of Loveland, CO brought Harold to the US to develop the software for the first-ever digital absolute orientation for stereoplotters (he advanced to VP of Technology there). Also at Hasp, in 1981 he developed and wrote the software for the first-ever “Cadastral System” (before they were called “GIS”), sold 40 systems into Mexico, and got the 1985 Governor’s Award for Excellence in Exporting from Dick Lamm (causing a large workload which did not allow further studies toward a Ph.D. at CSU). In 1987, Wild Heerbrugg Systems engaged him as Market Center Manager (Canada) for their System 9 GIS effort (product unfortunately cancelled after a year). Following that he was invited to join UGC Consultants of Englewood, CO, and from 1988 to 1993 he acted as Senior Technical Consultant, managing various projects, including the compilation of “The GIS Data Conversion Handbook” (co-author) and a comprehensive 10-year Marketing Plan for IBM (while they still were pursuing the development of their own GIS). In 1993, Harold Schuch founded GeoCounsel, Inc., and has survived various market difficulties since then. He offers consulting and training.

Harold has completed over 130 projects in 16 countries, invariably in Geomatics, and continues to be active. Consulting experience includes various engagements in Geomatics (such as large GIS implementation guidelines) for The World Bank, governments of various countries (such as Pakistan, Iraq, Taiwan, Brazil, Argentina, Colombia, Peru, Georgia, etc.), and various utilities. In addition, he has provided photogrammetric consulting to several advanced photogrammetric firms, such as Digitalglobe, (then) EarthWatch, and Stellacore (Dave Knopp is author of Orthovista and PictoVera). Harold’s work also includes acting as Expert Witness in the courts and acting as Hydrologist, providing

drainage analyses to various architects. Training experience includes various activities such as training 200 personnel in Iraq in Geomatics toward a countrywide census, giving Geomatics courses at the University of Taiwan and at the University of Denver. He created a course in Geomatics which he offers on the web. Harold Schuch has published over two dozen technical papers in five languages, journal submissions (including in PE&RS), and a similar quantity of presentations, including during Annual Meetings of the PLSC and APSG.

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## 2014 ASPRS Fellow Award Winners

**Bon A. Dewitt, Rongxing Li, Richard A. Pearsall, Karen L. Schuckman and Douglas A. Stow** have been named the 2014 ASPRS Fellow Award winners. The ASPRS designation of Fellow is conferred on active Society members who have performed exceptional service in advancing the science and use of the mapping sciences (photogrammetry, remote sensing, surveying, geographic information systems, and related disciplines), for professional excellence, and for service to the Society. Candidates are nominated by other active members, recommended to the Fellows Committee, and elected by the ASPRS Board of Directors. Up to 0.3 percent of the Society’s active members may be elected as Fellows in any one year. The nominees must have made outstanding contributions in a recognized Society specialization whether in practice, research, development, administration, or education in the mapping sciences. Members of the Fellows Committee and the Executive Committee are ineligible for nomination. This year’s awards will be given in March at the ASPRS 2014 Annual Conference in Louisville, Kentucky.

For complete profiles of the awardees, please visit the ASPRS website at [www.asprs.org/Press-Releases](http://www.asprs.org/Press-Releases).

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## Region Scholarship Winners

Thanks to all the students who applied to the 2013 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 wish 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 on Saturday, February 1, 2014, 6:00 – 9:30 PM at the Perfect Landing Restaurant at Centennial Airport <http://www.thepperfectlanding.com/>). RSVP to Jeff Young [jyoung@lizardtech.com](mailto:jyoung@lizardtech.com). If you plan to attend the dinner and would like to give a short summary of your work or research interests, please let Jeff know. Thank you,

Michael Tuffly, ASPRS-RMR Vice President

### 1<sup>st</sup> place Scholarship winners:

**Bachelor's Candidate: Beth Gonzalez**  
(Award = \$750)

**Master's Candidate: Robert Sabie**  
(Award = \$1,000)

**Doctoral Candidate: Matthew Cross**  
(Award = \$1,250)

### 2<sup>st</sup> place Scholarship winners:

**Bachelor's Candidate: Smith Wells**  
(Award = 1-year ENVI software license)

**Master's Candidate: Kara Collier**  
(Award = 1-year ENVI software license)

**Doctoral Candidate: Charlotte Gabrielsen**  
(Award = 1-year ENVI software license)

### 3<sup>rd</sup> place Scholarship winners:

**Eva Adler (Award = \$30 ASPRS Bookstore Bucks)**

**Greg Ambrose**  
(Award = \$30 ASPRS Bookstore Bucks)

**Diane Ambrose**  
(Award = \$30 ASPRS Bookstore Bucks)

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## Merrick Tour Highlights

On December 6<sup>th</sup>, Merrick & Company hosted a Technical Tour at their Greenwood Village Office. Staff from Merrick's Geospatial Solutions team presented and demonstrated a variety of technologies, including terrestrial scanning, Light Detection and Ranging (LiDAR) acquisition and processing, imagery acquisition and processing, GIS applications, and Merrick's MARS<sup>®</sup> proprietary LiDAR software and quality control. A light lunch was served while attendees watched a presentation on Euclidean's Unlimited Detail software for rapid display and management of point cloud data.

A total of 16 people from a wide range of organizations throughout the Denver metro area attended the tour. The tour was originally scheduled for an hour and a half but wrapped up after nearly three hours of great questions and discussion. Thanks to all who attended!

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## Digital Version of PE&RS Available

ASPRS is now offering a digital subscription to *PE&RS* for our subscribers. Material in the electronic version of *PE&RS* will be identical to material in the print copy, and you will most likely receive it sooner than you would receive the print copy in the mail. To access *PE&RS* online you just need to log into the ASPRS website ([www.asprs.org](http://www.asprs.org)) with your account Login and Password and click on the cover of the *PE&RS* on the home page. Please note, the electronic journal will facilitate improved search and download of individual articles, which has been an issue for some.

**If you would prefer to switch from print to electronic access of *PE&RS*, please contact Sokhan Hing at [sokhanh@asprs.org](mailto:sokhanh@asprs.org).** Choosing the **electronic access only** option will be better for the environment because we will be cutting down on the paper and plastic used to print and mail each issue.

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