



## THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

### ~The Rocky Mountain Compiler~

**Issue 4**

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

#### **Annual Dinner Meeting**

Mark your calendars for Saturday, 28 January, for the ASPRS-RMR Annual Dinner, which will be held at the Wellshire Inn, Hunt Room, at 3333 S. Colorado Blvd. There is plenty of parking available and the room is wheelchair accessible. Scholarships will be awarded and new officers will be sworn in. More information about the dinner will be provided on the RMR website ([www.asprs-rmr.org](http://www.asprs-rmr.org)) and in a separate email, including the contact and deadline for making your reservation. Dinner will be \$30 per person. Please send your check and reservation to ASPRS-RMR, PO Box 280834, Lakewood, CO 80228. We look forward to seeing you there!

#### **Full Text of Photogrammetric Engineering and Remote Sensing (PE&RS) Journal Now Available Online**

ASPRS has implemented electronic access to peer-reviewed articles published in *Photogrammetric Engineering and Remote Sensing (PE&RS)*, thereby complementing the existing online text for non-peer-reviewed articles. This action completes the goal of making the full text of each journal issue available online and provides timely information to address the needs of the academic community and the members located overseas who often experience delays in the delivery of their printed copy. Online

access of *PE&RS* was one of the most-requested benefits in the recently completed ASPRS Membership Survey.

In addition to the abstract text, which has been available electronically for a number of years, ASPRS members may now access the full text of all peer-reviewed articles that appear in *PE&RS* as soon as the issue is printed and prior to the actual mailing. By logging in to the ASPRS web site with their membership ID and password, any ASPRS member in good standing may read and download up to three peer-reviewed articles per session.

Full text for all peer-reviewed articles from January 2003 to date is currently available on the ASPRS website. It is expected that older seminal articles will also be posted in scanned form, with searchable abstracts, by later in 2006. "Having these articles

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available online has been a goal for several years. ASPRS now has the capability to post these articles for ASPRS member use," said **Kimberly Tilley**, PE&RS Executive Editor. "This is a major benefit to all of our membership. The articles will remain on the 'Members Only' section of the website for at least one year, then selected articles will be posted on the main portion of the website for public access."

A key benefit of ASPRS membership is timely access to peer-reviewed journal articles discussing the most recent advancements in the science. ASPRS is committed to providing resources to its members in a manner that helps them solve their most pressing challenges through the application of technical information to their everyday work environment. By putting these published materials online, available first to ASPRS members only, ASPRS is bringing those materials right to the desktop. In addition, ASPRS academic members benefit from access to the latest information, knowledge, and resources being published in the field. More information is available at [www.asprs.org](http://www.asprs.org).

### George E. Brown, Jr. Congressional Honor Award Goes to Colorado Senator Allard

US Senator **Wayne Allard** (R-Colo.) is the 2005 recipient of the George E. Brown, Jr. Congressional Honor Award in recognition of his leadership, policy guidance, and legislative efforts and their contributions to significant advancements in the science, engineering, application, education, and/or commerce of imaging and geospatial information.

ASPRS created the award in honor of the late Congressman **George E. Brown, Jr.** (D-Calif.) and the contributions he made to advance the benefits of imagery and geospatial information to society. Representative Brown was very supportive of the geospatial industry. He authored key legislation affecting the industry, supported geospatial information research, and promoted the development of the commercial remote sensing industry for the greater good of society.

In addition to a plaque, the award consists of an opportunity for ASPRS to sponsor a geospatial sciences presentation to an elementary school, secondary school, or university of the recipient's choice in his or her District or State.

Past award recipients include Congressman **George E. Brown, Jr.** posthumously, and Senator **Trent Lott** (R-Miss.).

### Essential Reading!

The November issue of *Geospatial Solutions* features an article by **Tina Cary** about how "you are the marketing director of your career." This article is essential reading for every geospatial professional and student and is now available online: <http://www.geospatial-online.com/geospatialolutions/article/articleDetail.jsp?id=211131>.

For more information, please contact:

#### Tina Cary, PhD

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Marketing consulting in the geotechnologies  
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### Immediate Deadlines

2006 ASPRS-RMR Officer Ballots are due 31 December 2005. Candidate [biographies](#) and the [Ballot](#) are included in this newsletter.

Remember also to check [www.asprs-rmr.org](http://www.asprs-rmr.org) to get contact information and the deadline for making your reservation for the Annual Dinner Meeting.

### President's Message

This year has been a year of many successes as well as challenges for the ASPRS-RMR. Thanks to the leadership of **Brian Soliday** we were awarded the ASPRS Region of the Year for an unprecedented fourth year in a row! Additionally, we were awarded the Region Newsletter of the Year (*The Rocky Mountain Compiler*). If you are reading this now you already know this newsletter is a great resource. These achievements were just the beginning of our year. Throughout 2005 the RMR Board worked very hard to adhere to the Strategic Plan and achieve the goals set by National. Some of the other highlights of the year include:

- Hosted Annual Dinner Meeting (in Jan.) at the Broker Restaurant in downtown Denver
  - Brief presentations given by graduate scholarship winners for '05
  - Installed new officers
- Conducted successful 18th Annual GIS in the Rockies Conference at new location at INVESCO Field at Mile High (co-sponsored with five other professional societies)
  - Technical Tours: USGS Rocky Mountain Mapping Center, National Center for Atmospheric Research, and Schriever Air Force Base
- Sponsored technical presentations throughout the year

- Continued development on our newest Student Chapters
  - University of Denver
  - University of Montana
  - University of Wyoming
- Contributed to successful ASPRS National Conference in Baltimore, Md.
- Awarded \$6,500 worth of scholarships at the undergrad and graduate level

We have accomplished so much this year, but there is still plenty to do and achieve. We need people like you to get involved and make a difference! Now is the time for you to take action to get more involved in the Rocky Mountain Region of ASPRS for 2006. Our slate of candidates ensures we will have an exceptional new Board of Directors coming on line in January. They can use your enthusiasm and help to continue our success. There are many different options to choose from and like most professional societies, the more you put in, the more you will get out. The following are just a few ways you could get more involved in the RMR:

- Join the ASPRS-RMR board
- Attend a Board of Directors meeting (they are open to all members and usually include lunch)
- Encourage friends and colleagues to become members and get involved themselves
- Encourage your company to become an ASPRS Corporate Member
- As faculty or students: set up a GIS or Remote Sensing Club (get sponsored by ASPRS)
- As an alumnus from an RMR educational institution, help your university or college start an ASPRS Student Chapter
- Submit an article for the award-winning *Rocky Mountain Compiler* quarterly newsletter
- Write a technical article for *PE&RS*
- Support the GIS in the Rockies Conference (give a talk, lead a workshop, run a session, attend)
- Attend the RMR-sponsored technical tours (suggest other places you would like to see)
- Go to the RMR Annual Dinner and other organized social events, such as Rogues Night Out (extend your professional network!)

Thank you again to this year's board for a successful year and their commitment to making the Rocky Mountain Region the best it can be. To those members who decided that this was the year they were going to become active in the society—it has

been a pleasure! As a board we continue to make great strides in our service to our membership, profession and local community. I am confident that the new board, with its experience and leadership, will continue this trend. I look forward to seeing you in the near future. Happy Holidays!

#### **Jaymes Pardue**

President, ASPRS-RMR

Tel: 303-384-1925

[jpardue@vargis.com](mailto:jpardue@vargis.com)

### **National Director's Report**

Looking back at my last report, it has been a busy fall! The 2005 edition of GIS in the Rockies is behind us, and an excellent conference it was! I know the GISITR Planning Committee is already getting reorganized and beginning to prepare for next year's conference. Yes, it does take that much time to prepare a quality conference! If you, or someone you know, would like to help in the planning and preparation that makes our professional activities happen, let us know!

The 2005 PECORA/ASPRS conference in Sioux Falls, South Dakota, was 23–27 October and was another excellent conference. The technical program was very strong, and attendance was on budget. Planning is well underway for ASPRS' conferences in 2006, which are in Reno, Nevada, 1–5 May, and San Antonio, Texas, 6–10 November. Both are excellent venues and in locations where we have not had conferences in a long time. Also, both conferences are shaping up to be technically excellent. The Reno Planning Committee has received over 600 abstracts, and the exhibit hall is already nearly sold out! Mark your calendar and plan to attend, since opportunities like this don't come around too often!

At the ASPRS/PECORA conference, there was a lot of discussion about the future of the Landsat mission. It is now clear that the plan to place a Landsat-type sensor on the NPOESS spacecraft is not a viable option, despite a lot of publicity to the contrary. There is a building consensus that a new, free-flying Landsat follow-on (hopefully several) is the right approach. It is important to note also that a data gap has already occurred, since corrected Landsat 7 data is only marginally usable. The spacecraft will run out of fuel within two years, leaving the mid-resolution community with no US capability. In the coming months, there will be a lot of discussion in the media, and probably a lot of posturing. ASPRS as a society has been a clear and consistent voice of the profession, supporting a stable, long-term plan to provide remote sensing

systems to the government, research and civil communities. I encourage all members to write their congressmen, and remind them of the importance of this program.

Again, thanks for a great year!

#### **Allen Cook**

National Director, ASPRS-RMR

### **The 18<sup>th</sup> Annual GIS in the Rockies 2005 Conference**

The 18<sup>th</sup> annual GIS in the Rockies 2005 Conference, "The Geospatial Revolution: A Whole New View," was held on 21–23 September at the INVESCO Field at Mile High in Denver, Colorado. Approximately 600 were in attendance, a 10% increase from last year.

GIS in the Rockies promotes and disseminates geospatial technology, expertise, education, and cooperation. It brings together the GIS/RS/Surveying communities on an annual basis. Colorado is home to one of the most cohesive and long-lived geospatial communities in the world. It serves as a focal point for communication and cooperation in these high-technology areas. Volunteers implement the conference, and its success for the past 18 years is a result of active participation by the GIS community as a whole.

The six organizing societies are the Colorado Section of the American Congress on Surveying and Mapping (ACSM), the Rocky Mountain Region of the American Society for Photogrammetry and Remote Sensing (ASPRS), the Rocky Mountain Chapter of the Geospatial Information Technology Association (GITA), the Professional Land Surveyors of Colorado (PLSC), the Rocky Mountain Chapter of the Urban and Regional Information Systems Association (URISA) and GIS Colorado. Each sponsoring society has two voting members on the Planning Committee: **Karen Meckel** and **Douglas Ort**, ACSM; **Roland Mangold** and **Jan Van Sickle**, ASPRS; **Pamela Coonrod** and **Cherie Terrel**, GITA; **Mike Greer** and **Peter Kent**, PLSC; **Karen Brandt** and **Chris Longo**, URISA; **Milly Powell** and **Jim Martin**, GIS Colorado. **Ken Turnbull** is an at-large member of the Planning Committee. The officers of the GIS in the Rockies 2005 Planning Committee are **Karen Brandt**, Chair; **Jan Van Sickle**, Vice-Chair; **Milly Powell**, Treasurer; and **Karen Meckel**, Secretary.

This year's call for papers yielded some excellent presentations, organized into the following sessions:

- VENDOR SHOWCASE, 10 sessions
- EMERGING STANDARDS, 5 sessions
- SPATIALLY ENABLING INFRASTRUCTURE MANAGEMENT, 10 sessions
- PROFESSIONAL DEVELOPMENT, 4 sessions
- INTRODUCTION TO GIS AND LIDAR, 8 sessions
- SURVEYING AND GIS - COVERING THE FIELD, 6 sessions
- ADVANCED DATA ACQUISITION & MAP PRODUCTION, 11 sessions
- GIS AND EMERGENCY RESPONSE MANAGEMENT, 10 sessions
- IMAGERY AND REMOTE SENSING, 12 sessions
- HOMELAND SECURITY, 8 sessions
- RESOURCE CONFLICT MANAGEMENT, 9 sessions
- PUBLIC POLICY, 7 sessions

This year's program also included job fair sessions suitable for people interested in getting started in GIS, and those with intermediate levels of experience. In addition, there were sessions targeting experienced professionals seeking to hone their skills.

Some 20 volunteers worked as greeters, providing information to participants. They assisted with set-up, worked at the registration desk, helped with audio visual needs of the presenters, and did everything else, including closing and cleanup.

The entertainment on Wednesday evening, featuring **Lannie Garrett** in her Patsy DeCline show, was well received.

Tours conducted for GIS in the Rockies 2005 were well attended. The three tours—NCAR, USGS, and Schriever AFB—were augmented by a geocaching event along the Platte River.

### **GIS in the Rockies 2005 Fall Technical Tours**

This year attendees of the GIS in the Rockies 2005 convention were able to choose between three different technical tours. The tours took place on Friday, 23 September, and were well received by the conference attendees. Many thanks to everyone who assisted with the technical tours.

### USGS Rocky Mountain Mapping Center

Fifteen people attended the tour of the USGS Rocky Mountain Mapping Center. The mapping center is located in Building 810 at the Denver Federal Center in Denver, Colorado.

The USGS Rocky Mountain Mapping Center is a facility where 350 professionals use geographic information systems, image processing packages, and other tools to create computerized databases, paper maps, and other representations of the Earth's terrain. They also conduct research in the biological sciences, geography, and Earth sciences, and coordinate mapping partnerships with a wide range of organizations.

These professionals also maintain a distribution facility of over 50 million maps, books, and other USGS publications, and serve customers by distributing maps, aerial photographs, satellite imagery, spatial data, and a wide variety of other information critically needed in making decisions about the Earth. These decisions range from planning for and mitigating natural disasters, to locating a business, to planning a roadway, to ensuring a safe water supply for our nation.

The tour took a bit longer than expected—from 9:30 A.M. to 1:00 P.M.—but there was a lot of information to cover and fun learning for all.

### Schriever Air Force Base

The tour to Schriever Air Force Base was a huge success. A total of 17 participants toured this facility in Colorado Springs, after being driven from Denver in a large, relaxing deluxe coach. This tour featured the 2nd Space Operations Squadron. The squadron performs the command and control mission for the Global Positioning System (GPS) satellite constellation. GPS provides worldwide precision navigation service for US and allied military forces, as well as for a host of civilian users.

The squadron also operates and maintains the Master Control Station (MCS) and a dedicated network of four ground antennas and six monitor stations located around the world. The monitor stations passively track the navigation signals on all the satellites. Information is then processed at the MCS and is used to update the satellites' navigation messages. The MCS sends updated navigation information to GPS satellites through ground antennas. The ground antennas are also used to transmit satellite commands and to receive satellite telemetry.

For more interesting information about the base check out their web site at:  
<http://www.schriever.af.mil/>.

### National Center for Atmospheric Research (NCAR)

Approximately 20 people attended the NCAR tour at the Mesa Laboratory in Boulder. UCAR, NCAR, and UOP are part of a collaborative community dedicated to understanding the atmosphere, the air around us, and the interconnected processes that make up the Earth system, from the ocean floor to the Sun's core. NCAR and the UCAR Office of Programs provide research, facilities, and services for the atmospheric and Earth sciences community.

NCAR supports the community of atmospheric and geoscience researchers with tools—such as aircraft and radar—to observe the atmosphere, and technology and assistance to interpret and use these observations, including supercomputer access, computer models, and user support. Their research projects cover a vast array of topics and are collaborations between NCAR scientists and university researchers:

- Atmospheric chemistry - such as the chemical structure of healthy and polluted air
- Climate - including temperature, rainfall, winds, and extreme events over decades or centuries, from prehistoric times to the present and into the future
- Weather ingredients - such as cloud physics, storm structure, and other keys to improved weather forecasting
- Weather hazards to transportation - including detection and warning systems for turbulence and icing in the air and on the ground
- Interactions between the Sun and Earth - including solar weather
- Computer science innovation - for understanding and visualizing the whole Earth system
- The role of humanity in both creating change and responding to weather and climate

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### Welcome New Members!

Elgaali A. Elgaali  
Brian R. Funk  
Kyle Legg  
Alison C. McComiskey  
Richard J. Szmajter

## Student Chapter News

### RMR Rio Grande Chapter

#### GIS Day Celebrated by ASPRS UNM Student Chapter

The University of New Mexico ASPRS Student Chapter sponsored activities this year for GIS Day 2005 on 16 November. Activities included GIS demos and discussion forums, as well as presentations by invited speakers. Guest speakers, including **Don McTaggart**, **Paul Neville**, and **Karl Benedict**, spoke on a variety of geospatially-focused subjects, including IDRISI, Open Source GIS, and GIS applications in Biology. It was quite successful with students from several departments in attendance.

#### NMGIC Fall 2005 Meeting

Directors **Janet Greenlee**, **Heather Richards** and **Amy Ballard** represented the Rio Grande ASPRS Chapter at the NMGIC Fall Meeting.

ASPRS information including membership flyers and copies of *PE&RS* were available for attendees to familiarize themselves with our organization.



Janet Greenlee is standing behind the table. Janet is on the Board for the Rio Grande Chapter.

### Job Postings!!!

Happy Holidays ASPRS Rocky Mountain Region Members: Be sure to check out the updated Job Listings page on our RMR web site. We currently have 11 great jobs posted. New opportunities are being posted all of the time!!

Check out the Rocky Mountain Region Jobs Listings at [www.asprs-rmr.org/jobs.html](http://www.asprs-rmr.org/jobs.html).

## Scholarship Program Awards Thousands of Dollars

### Plan Now for Next Year

If you are a student who will still be in school in the spring 2007 term, mark 1 November 2006 on your calendar to start checking [www.asprs-rmr.org](http://www.asprs-rmr.org) for details about the ASPRS Rocky Mountain Region (RMR) Scholarship Program. If you are a faculty advisor and did not receive a notice of the 2005 Scholarship Program, provide your contact information to ASPRS-RMR Vice President **Jeff Young** by email ([jyoung@sanj.com](mailto:jyoung@sanj.com)) so that you will receive future notices.

The Rocky Mountain Region (RMR) of ASPRS offers scholarships to deserving undergraduate and graduate students every year. The scholarships are intended for students throughout the Rocky Mountain Region (Colorado, Montana, New Mexico and Wyoming) who are demonstrating excellence while pursuing careers in the fields of Photogrammetry, Remote Sensing, Geographic Information Systems (GIS) or related disciplines. Both undergraduate and graduate students of any third-level educational institution within the four-state region who are pursuing careers in these disciplines are eligible for the awards.

The deadline is in the fall every year, in early or mid-December. (In 2005 it was 16 December.) Awards are presented at the Annual Dinner Meeting in January. We had a very successful Scholarship Program in 2004, awarding eight scholarships with a total value of over \$6,000! Applications made this month are now being evaluated for award next month.

Preference is given to those studies that apply sound scientific principles to practical applications and/or to those presenting their work at an ASPRS-sponsored conference. Award of both the undergraduate and the graduate scholarships is based on academic merit (that is, the application form does not request any personal financial data).

For more information, please contact **Jeff Young**, Vice-President, ASPRS-RMR at 303.815.2266 or at [jyoung@sanj.com](mailto:jyoung@sanj.com).

## Candidates for ASPRS – RMR 2006 Board of Directors

The Nominating Committee is pleased to present the following outstanding slate of candidates:

**Jeff Young**

Jeff Young has over 28 years of sales, program and project experience, including more than 15 years in senior management of GIS corporations. Mr. Young recently joined SANZ as the Director of Business Development. Prior to joining SANZ, Mr. Young was employed as the Regional Director for Leica Geosystems – Americas, located in Denver, Colorado, managing the activities of regional sales persons, and overseeing the development and operation of a network of image processing and photogrammetry software distributors. Previously, Mr. Young was Vice President, Global Solutions Sales & Marketing at Space Imaging, LLC. He also served as Executive Director, Global Solution Sales, and as Director, North American Sales. Prior to working at Space Imaging, LLC, previous positions and assignments held were Sales Director, Sales Account Manager, GIS Sales Business Development Director, Business Unit President—Criminal Justice and Public Safety, GIS-T Program Manager, Program Manager, GIS System Consultant, Supervisor, and Office Manager. As a Staff Scientist, Mr. Young was responsible for GIS solution design and applications development, infrastructure/facility management applications, information system design, site selection studies, environmental monitoring and constraints analysis, land use/terrain analysis, remote sensing, computer cartography, geographic field techniques and computer training. Mr. Young's educational background is as follows: Master of Arts, Geography—specializing in Land Use Analysis and Environmental Hazards, 1978 (National Science Foundation supported); Arizona State University Bachelor of Science, Geography, 1976, cum laude; Lock Haven State College, Pennsylvania. Mr. Young resides in Centennial, Colorado, with his wife and two children and enjoys traveling throughout the western United States.

**Terry Ryan**

Terry Ryan is LizardTech's Central Region Territory Manager for North America Sales, responsible for the sales of LizardTech's suite of software products for managing, distributing and accessing large complex digital content. Mr. Ryan has a long history working in sales, marketing and channel development for the geographic information systems (GIS) and remote sensing industries. Before joining LizardTech, Mr. Ryan worked for IntraSearch-MapMart as Director of Sales, providing remote sensing data and GIS base data 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, responsible for development of partnerships with leading satellite imagery and aerial photography organizations around the US. He has also held the positions of Senior Account Manager for Avatech Solution, a leading Autodesk software reseller and solution provider to the CAD marketplace. Mr. Ryan graduated in 1993 with a Bachelor of Arts degree in Marketing and Advertising from Loras College in Dubuque, Iowa. Mr. Ryan is a member of GITA, GIS Colorado, and ASPRS professional organizations.

**Victoria Provenza**

Victoria Provenza is President of eSpatially Yours, a consulting firm specializing in geospatial technology management and services for educational institutions, grantees, and nonprofit organizations. Ms. Provenza has over 20 years of experience as a geologist and program manager in energy, environment, education, public outreach and remote sensing. She serves on the Education Committee for GITA and represented ASPRS as the Chair of the Imagery and Remote Sensing Track at GIS in the Rockies (2005). Ms. Provenza is the author of several papers on the topic of geospatial education and is a guest lecturer.

**Kyle Legg**

Kyle works for LandVoyage.com, which provides consumer level imagery via an e-commerce website as well as enterprise level access to raster data through AJAX requests. Kyle has been providing this service for five years. His responsibilities include data acquisition, processing and management, and systems administration.

**Mark Hess**

Mark Hess has been working in the remote sensing field since 1989. He is currently employed by Ocean Imaging Inc., a 20-year-old company specializing in applied satellite and airborne remote sensing, specifically the mapping and monitoring of marine, littoral and wetland environments. As the Director of Operations for the Rocky Mountain Regional Office, he is responsible for overseeing the company's worldwide fisheries and oceanographic support services, managing various research projects, product and business development, and expansion of Ocean Imaging's research and aerial scanning services into terrestrial and wetland markets. Prior to that, he worked for NOAA-NMFS developing database structures to help correlate fisheries data with oceanographic features visible in satellite imagery. Mr. Hess holds a BA degree in Aquatic Biology from the University of California at Santa Barbara and an MBA from Colorado State University.

***Trent Casi***

Trent G. Casi has over five years of technical sales and account management experience. He joined VARGIS LLC in 2002 working out of their Washington, DC, metro office. He moved to their Denver office in 2004 as an account manager. He promotes mapping services to local government clients for the western regions of the United States. Mr. Casi also handles the majority of their satellite imagery reseller business. Prior to joining VARGIS, he was employed at Accuweather.com in State College, Pennsylvania, as a client application analyst. His duties included working with their GIS mapping systems to create custom weather maps for their agriculture, newspaper, utility, and website clients. Mr. Casi graduated from Penn State University with a degree in geography with an emphasis on environmental GIS and remote sensing.

***Shawn Slade***

Mr. Slade has been an active member of the ASPRS since 2000 and most recently served as the Rocky Mountain Region's Director at Large. He received his Bachelor's degree from the University of Nebraska-Lincoln in Geography with an emphasis on remote sensing. He has also completed all of his course work and just recently sat his comprehensive written exams for his Master's degree from the University of Nebraska-Lincoln. Currently he is finishing edits/revisions of his thesis as his final requirement to earning his Master's degree in Geography. Mr. Slade has eight years of professional experience in geospatial business. Currently he serves as the West Coast Sales Manager for Sanborn where he is responsible for sales and business development of mapping and remote sensing projects. Prior to joining Sanborn, he was employed by Leica Geosystems, where he was responsible for the sales and business development of geospatial software and hardware components for the 10 western-most states. One of his major accomplishments while at Leica Geosystems was securing a multi-year, \$200,000 plus software and hardware contract with CALTRANS. Outside of work Mr. Slade is very active in running marathons, triathlons and road bike events. He is also very involved in his church where he has served as co-President of the Home Improvements mission group as well as serving as an usher for the last two years.

***David Opitz***

Dr. David Opitz is Director, CEO, President and Co-Founder of Visual Learning Systems, Inc. (VLS). VLS has become a world leader in software for automated feature extraction from imagery. Dr. Opitz is a nationally recognized expert on machine learning, geospatial feature extraction, and image

understanding and has published over 85 recent papers. In addition to VLS, Dr. Opitz is an associate professor in computer science at the University of Montana and head of its Machine Learning Laboratory. Based on his innovative research on machine-learning algorithms, he was awarded a highly competitive NSF CAREER grant (formerly the Young Investigator Award) in 1998. In the past few years, he has participated in 20 research projects that have received over \$7 million in funding. Dr. Opitz served as the Senior Scientist on all of VLS's successful research projects and is lead architect for the Feature Analyst and LIDAR Analyst software products. Dr. Opitz's educational background is as follows: PhD, Computer Sciences, University of Wisconsin—Madison, 1995; Master of Science, Computer Sciences, University of Wisconsin—Madison, 1990; Bachelor of Science, Computer Science and Applied Mathematics, Montana Tech, 1988.

***Jennifer Whitacre***

Ms. Whitacre has served on the RMR Board of Directors for the past two years. She holds a degree in Geography from Indiana University. After graduation, Ms. Whitacre worked for the National Weather Service and then managed a weather-consulting firm on contract to the Federal Aviation Administration (FAA) in Indianapolis, Indiana. She has seven year's GIS and Remote Sensing experience where she has led production staff, managed projects, and worked in sales and marketing. Ms. Whitacre is a Sr. Project Manager for Spectrum Mapping with responsibility for oversight of all remote sensing contracts. Outside of work, Ms. Whitacre enjoys skiing, hiking, and spending quality time with her husband Shawn.

***Allen Cook***

Mr. Cook is a Business Development Lead with Northrop Grumman, supporting the Data Systems Office of Technology. In this capacity, he supports advanced research projects in geospatial decision support systems for the DoD and related agencies. Formerly, he was the Director of the NG Geospatial Technology Engineering Center in Lakewood, Colorado, directing research into geospatial systems analysis for Federal lands. Mr. Cook has been a member of ASPRS since 1988, and has been on the Regional Board in various positions since about 1997. He was Conference Chair for the ASPRS Annual Conference in Denver in 2004, and is co-chair of the ASPRS Convention Planning and Policy Committee. Mr. Cook currently serves as the National Director for the Region on the ASPRS Board and was elected to the ASPRS Executive Committee in 2005.

## ASPRS – Rocky Mountain Region: 2005 Officers

President	Jaymes Pardue VARGIS LLC	Work: 303-384-1925 Fax: 303-384-1926 <a href="mailto:jgpardue@vargis.com">jgpardue@vargis.com</a>
Vice-President	Jeff Young SANZ Geospatial Solutions Group Englewood, CO	Work: 303-495-6334 Fax: 303-814-0693 <a href="mailto:jyoung@sanz.com">jyoung@sanz.com</a>
Secretary	Terry Ryan LizardTech	Work: 303-903-3604 Fax: 303-703-3632 <a href="mailto:tryan@lizardtech.com">tryan@lizardtech.com</a>
Treasurer	Mark Hess Ocean Imaging Inc. Littleton, CO	Work: 303-948-5272 Fax: 303-948-5272 <a href="mailto:mhess@oceani.com">mhess@oceani.com</a>
National Director	Allen Cook Northrop Grumman Mission Systems Lakewood, CO	Work: 720-744-7328 <a href="mailto:allen.cook@ngc.com">allen.cook@ngc.com</a>
Regional Director (GIS in the Rockies)	Jan Van Sickle Van Sickle LLC Denver, CO	Work: 303-915-4669 Fax: 303-254-2213 <a href="mailto:hoagy@ix.netcom.com">hoagy@ix.netcom.com</a>
Regional Director (GIS in the Rockies)	Roland Mangold Spectrum Mapping LLC Denver, CO	Work: 303-298-9847 Fax: 303-292-9279 <a href="mailto:rmangold@specmap.com">rmangold@specmap.com</a>
Regional Director (Communications/Newsletter)	Jennifer Whitacre Spectrum Mapping LLC Denver, CO	Work: 303-298-9847/ 315 Fax: 303-292-9279 <a href="mailto:jwhitacre@specmap.com">jwhitacre@specmap.com</a>
Regional Director (General)	Shawn Slade Leica Geosystems GIS & Mapping Division Englewood, CO	Work: 303-799-9453 Fax: 303-799-4809 <a href="mailto:Shawn.slade@gis.leica-geosystems.com">Shawn.slade@gis.leica-geosystems.com</a>
Regional Director (At Large)	Richard W. Cooke Research Systems, Inc. Boulder, CO	Work: 303-413-3964 Fax: 303-786-9909 <a href="mailto:rwcooke@rsinc.com">rwcooke@rsinc.com</a>
Past President	Brian Soliday SANZ Geospatial Solutions Group Englewood, CO	Work: 303-495-6325 Fax: 303-814-0693 <a href="mailto:bsoliday@sanz.com">bsoliday@sanz.com</a>
Communications Coordinator/Webmaster (not on the board)	Sheila Pelczarski Denver Water (MC 414) Denver, CO	Work: 303-628-6511 Fax: 303-628-6852 <a href="mailto:sgp@denverwater.org">sgp@denverwater.org</a>

**\* ANNUAL BALLOT \***

**Election of ASPRS-RMR Officers for 2006**

For each office, vote for only person. See [www.asprs-rmr.org/news.html](http://www.asprs-rmr.org/news.html) for biographical sketches of candidates. Mark an "X" to select nominated candidate or add write-in candidate of your choice.

**Office of President**

\_\_\_ Jeff Young \_\_\_\_\_ Write-in

**Office of Vice-President**

\_\_\_ Terry Ryan \_\_\_\_\_ Write-in

**Office of Secretary**

\_\_\_ Victoria Provenza     \_\_\_ Kyle Legg     \_\_\_\_\_ Write-in

**Office of Treasurer**

\_\_\_ Mark Hess \_\_\_\_\_ Write-in

**Office of Regional Director (GIS in the Rockies Committee – 2 yr.)**

\_\_\_ Trent Casi \_\_\_\_\_ Write-in

**Office of Regional Director (General – 2 yr.)**

\_\_\_ Shawn Slade     \_\_\_ David Opitz     \_\_\_\_\_ Write-in

**Office of Regional Director (Communications/Newsletter - 2 yr.)**

\_\_\_ Jennifer Whitacre \_\_\_\_\_ Write-in

**National Director (3 yr.)**

\_\_\_ Allen Cook \_\_\_\_\_ Write-in

**Note: No vote is required for the following positions:**

**Past President:** Jaymes Pardue (2005 President of RMR)

**Regional Director** (GIS in the Rockies): Roland Mangold (2-yr. term; 1 yr. remaining)

**Regional Director** (At Large): Richard Cooke (2-yr. term; 1 yr. remaining)

Mail completed ballot postmarked **no later than 31 December 2005** to:  
ASPRS Rocky Mountain Region  
PO Box 280834  
Lakewood, CO 80228