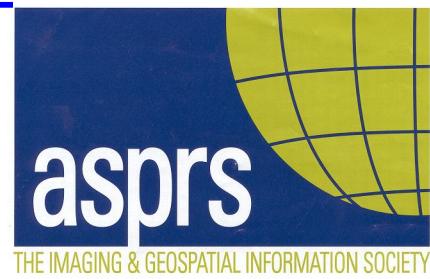


Wavelengths

Columbia River Region

<http://www.asprs.org/ColumbiaRiver>

Volume 2009:1 — March 2009



President's Letter

By Erik Strandhagen

The first ASPRS Columbia River Region (CRR) function of 2009 was the annual dinner on January 30th, which featured Historian Chet Orloff, Director Emeritus of the Oregon Historical Society. In his presentation "The History of the Columbia Basin and the Willamette River", Chet painted a rich picture of our region's past through his expert knowledge of local history and remarkable collection of historical maps, art, and photographs. The event was held at Ecotrust's National Capital Center, a renovated 1895 warehouse in downtown Portland, the historic building complimented the historic theme of the evening. Artemis Foods, a sustainably managed company, catered the event with fresh, local and organic ingredients.

Over the past year CRR sponsored the Technology Exchange, held at the Water Resources Education Center in Vancouver, Washington, and the Remote Sensing of Wetlands Workshop, held at the Forestry Center in Portland, Oregon. Both events enjoyed a healthy turnout of diverse and talented geospatial professionals. Thank you to all members and non-members who attended these events and contributed to the vitality of our region.

The 2009 ASPRS Annual Conference "Reflection of the Past, Vision of the Future" will be held March 9th - 13th in Baltimore, Maryland. This year we celebrate the 75th anniversary of the ASPRS, which was originally founded in July 1934 in Washington, D.C as The American Society of Photogrammetry (ASP). In the late 1980's the ASP Board of Directors agreed to incorporate the field of Remote Sensing, thereby becoming what we now know today as the American Society for Photogrammetry and Remote Sensing (ASPRS).



Chet Orloff, Director Emeritus of the Oregon Historical Society presenting at the ASPRS CRR Annual Dinner.

In 1998, ASPRS incorporated the phrase "The imaging and Geospatial Information Society," to formally include the mapping sciences of photogrammetry, remote sensing, geographic information systems (GIS), and related technologies. ASPRS has grown with the advancements in the geospatial industry over the last 75 years, and will continue to grow as members contribute to and embrace technological development into the future.

This year in our region, GIS in Action 2009 will be held April 21st and 22nd at the Vancouver Conference Center in Vancouver, Washington. GIS in Action 2009 is jointly presented by The Oregon and Southwest Washington Chapter of The Urban and Regional Information Systems Association (URISA) and the CRR ASPRS. Greg Newkirk is the program chair and CRR Regional Director Chris Alridge is conference chair for this conference. URISA and ASPRS members are finalizing a program that will offer innovative and diverse content. Encourage your colleagues to

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attend GIS in Action this April as well as the Annual Fall Technical Exchange and National Workshop.

The 2009 installation of officers brings a changing of the guard to the CRR board. Former President Steve Lennartz has now transitioned into the Past President role. I would like to thank Former Past President Steven Duncan for his service and dedication to the region. Special thanks to all the student chapters, as well as Tony Cooley and Ralph Kiefer for their generous door prize donations at the annual dinner.

Our region has seen another successful year because of the hard work and dedication of CRR members and board. We had exceptional attendance at the CRR annual events and at the national conference in Portland this last year. I want to build on this success as CRR President over the next year by expanding membership and our profile within the region.



Outgoing ASPRS CRR President Steve Lennartz (r) passing the gavel to in-coming President Erik Strandhagen (l) at the 2009 ASPRS CRR Annual Dinner.

National Director's Report

by Chris Aldridge

Greetings and congratulations to the Columbia River Region. Our region was honored once again with Region of the Year, and with Newsletter of the year. The awards were presented in Baltimore, where I was fortunate enough to be in the audience at the Memorial Address. Past President Steve Lennartz and Anne Hillyer were on hand to (respectively) receive the awards. Brian Miyake was also honored with a third Ford-Bartlett award.

As you may have divined, I have recently returned from the 2009 annual meeting of the Society, which was held in Baltimore, Maryland. This meeting signaled the beginning of the 75th Anniversary year of the ASPRS. The anniversary celebration was punctuated with a dinner gathering and performance by the Capital Steps, which was attended by all of the society's officers and board, as well as the President and other members of the International Society for Photogrammetry and Remote Sensing (ISPRS). The week was a series of enjoyable events to mark the anniversary; however it was not all play.

The conference itself seems to have been extremely successful. Attendance has tentatively been listed at 1457, with the exhibit hall oversold and vendors actually on a waiting list. The technical program was complete with few withdrawals or no shows. The majority of the sessions were well attended and the basic feeling among attendees was that they had received their money's worth. The overall picture of the society is one of good health. Our investments took hits just like everyone else, but the good news is that we appear to have sustained less damage than most. Our accounts are still very healthy, we maintain a very comfortable level of short and long term reserves and we have a sensible budget that should cover all of our operating costs without difficulty.

The committee meetings were some the best I have ever attended. The level of discussion, argument, resolution, and work engaged in by the society's members were at the highest level that I can remember. Real issues that affect far more than our society were taken under consideration, and real solutions or paths to find them were developed this week. I personally chaired the Conference Policy and Planning Committee this week. I'm pleased to say that all of the annual conferences looking forward are all at their correct progress state in relation to their dates, and those are: Fall 2009-San Antonio, Annual 2010- San Diego, Fall 2010 Orlando, Annual 2011- Milwaukee, Annual 2012 Sacramento. In particular, the Western Great Lake region is very well prepared for the 2011 in Milwaukee.

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The Professional Practice Division, (Doug Smith: Director), held several meetings to discuss the "Guidelines for Procurement for Photogrammetry." The draft had been released for comment some time ago, and it generated some healthy comments and discussion both in praise and in disagreement. The discussions led to the further review and slight amendment of the document, as well as the decision to produce an additional document that is less focused on services and more focused on products.

The Standards Committee met with the LiDAR subcommittee to air out differences that had begun at the Portland meeting. Tremendous progress was made in this arena, with the result that a review of the current policy for the development of standards, specifications, guidelines, best practices, and handbooks be undertaken and a general agreement to reconsider the policy to allow for the more rapid development of these documents.

Membership continues to be a focus. The society as a whole has lost some ground, although our region has gained. The membership drive is scheduled to kick off next month.

The society's involvement in external affairs continues to be strong. The ASPRS supported a letter drafted by Oregon's Cy Smith, proposing the congress develop a committee or sub-committee specifically to address primary jurisdiction over geospatial policy. The previously mentioned "procurement guidelines" continue to move forward as well as involvement in NGAC, Imagery for the Nation (NAIP funded by the federal government, but little else), ACCRES, and the USGS Coalition.

The Manual of Photogrammetry continues to sell well, as does the DEM Users Manual, 2nd Edition. The GIS Users Manual is scheduled to release this summer (after some long delay), hopefully in time for the ESRI conference. We have embarked on two new publications. The first is the revision/revamping of the Manual of Remote Sensing, from a pile of books, to a concise one or two volume set. The second is the LiDAR Manual, which is being edited by our regions own Mike Renslow.

The society did agree to help fund the Public Broadcasting production of the history of geospatial development in the U.S. This effort is being spearheaded by Past – President Karen Schuckman. The trailer for the program was released at this event along with several short clips that had been developed regarding the History of the ASPRS. These were VERY impressive and I have the trailer for us to display at the upcoming GIS in Action.

All of the divisions continue be very active, particularly PPD, PAD (LiDAR Subcommittee), and the RSAD, who all have actions to present to the Standards Committee.

As a final note on the national front, I am personally pleased and excited to announce that I was elected to the Executive Committee. This committee is essentially the "steering" committee of the ASPRS, consisting of the four officers and four region directors. I and Dave Kreighbaum of the St, Louis Region, were elected to this committee.

We are rapidly approaching GIS in Action, and I hope that all of you plan to attend this local conference that is the premier event of our regions activities.



CRR Annual Dinner attendees Celia Cornett (l) and Trish Schot (r)



CRR Annual Dinner: (clockwise) Anne Hillyer, Steve Duncan, Sally Duncan, Karen Strejc, Mike Strejc, Tom Pagh, Kaye Pagh, and John Otsyula

Report from Oregon State University Student Chapter

by Robert Peckyno, President

During Winter term at OSU, we have focused on planning and preparing for the coming months as well as recruiting new members. Our only official meeting of the term was on February 5th and set an all time attendance record! The meeting featured OSU-ASPRS Secretary Meridith Payne presenting her research on “*Remote Mapping the Greenland Ice Sheet Using the Parameter of Surface Roughness.*” During the meeting, multiple students expressed an interest in attending the GIS in Action conference. Transportation and funding support was discussed. We are also moving forward with our plan to host a student ASPRS provisional certification testing day sometime in the month of April. More details will be posted on our website as they become available at: <http://oregonstate.edu/groups/asprs/>

Report from University of Oregon Student Chapter

By Megan Lawrence, President

The student chapter of ASPRS at the University of Oregon recently held student officer elections. We would like to welcome our new officers: president, Susanne Walters; vice president, Matt Millett; and secretary, Leslie McLees

Matt, our new vice president and newest member to ASPRS, is a masters student in the geography department and is pursuing research in dynamic cartography, animated maps, and cartograms. We are very pleased to announce that our new president, Susanne Walters, has received the 2009 William A. Fischer Memorial Scholarship for her work entitled, “Applied Remote Sensing: Evaluation of Two Models for River System Analysis.” Congratulations Susan!

A number of ASPRS members will be attending the Association of American Geographers (AAG) conference in Las Vegas. Our chapter will be supporting these students' travel and we wish them luck in preparing for their presentations.

Report from Portland State University Student Chapter

By Dan Craver, President

Portland State University's ASPRS student chapter continues to increase its membership and would like to welcome Rochelle Harness-Lietz, Daniel Uthman, Ellyn Dixon, Sarah Thompson, Jacob Macdonald, Mike True, and Katie Urey. Our chapter's members are preparing for conference season. Some of us will be attending the upcoming Association of American Geographers Annual Meeting in Las Vegas, NV, and next term, many of us plan to participate in the GIS in Action conference in Vancouver, WA.

This term, PSU ASPRS has collaborated with CORIBA, the PSU student geology club, to host an on-campus volunteer project for the Clackamas River Basin Council, a local non-profit watershed conservation organization. Weekly work parties are designed to offer geospatial learning opportunities and project experience to students while producing an updated high-resolution land-cover map to inform riparian habitat studies. PSU ASPRS has contributed to the project with instruction, mentoring, and map digitizing.



ASPRS student chapter officers attending the ASPRS CRR Annual Dinner (l-r) Sarah Praskievicz (PSU), Dan Craver (PSU), and Susan Walther (U of O)

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Our colloquium series recently hosted a well-attended presentation by Kevin Martin, GIS Analyst for the City of Portland Bureau of Planning and Sustainability. Kevin discussed how development of LiDAR derivatives and visualization is aiding Portland planning efforts for the future. Michael Boeder of Watershed Sciences, also presented this quarter, continuing on the LiDAR theme, with a presentation about processing, applications, and future directions of LiDAR. Thank you Kevin and Michael, for your great presentations and dedication to the field. Our colloquium series is open to the public and held Friday afternoons at Portland State University. Please visit our website for more details:

<http://www.psuasprs.groups.pdx.edu/>



Mike Boeder, from Watershed Sciences, presenting "LiDAR: Processing, Applications and Future Directions".

Welcome New CRR Members!

The members listed below have either joined (or rejoined) the CRR since October 2008.

Craig Howell	Albany
Nadia Jones	Portland
K. Michele Lizon	Corvallis
Josh Mohr	Beaverton
Lisa D. Mooney	Portland
Erin Smith	Portland
Col-Lea Lane	Yachats

Columbia River Region ASPRS Officer Vacancies

Student Chapter Liaison Committee Vacancy

The ASPRS-CRR Student Chapter Liaison Committee has an opening for a new member. Student Chapter Advisors and Members are not eligible to serve.

The committee has three members. There is an opening on the committee because one of its members became a student chapter advisor and is no longer eligible to serve on the committee.

There are three ASPRS-CRR student chapters: Oregon State University, Portland State University, and The University of Oregon. At present, the ASPRS-CRR donates \$1000 annually to each of the student chapters.

The Student Chapter Liaison Committee maintains clear lines of communication with the active student chapters, actively seeks and assists in the development of new student chapters within the region, receives, reviews and approves the student chapter budget requests, reviews annual reports from the student chapters, and advises the ASPRS-CRR Executive Committee on student chapter issues. The committee conducts most of its business by email, and exchanges information with the ASPRS Executive Committee at ASPRS-CRR board meetings.

If you are interested in serving on this committee, please send an email to the Committee Chair, Ralph Kiefer, at: rwiefer@aol.com (503-605-5066). Please give a brief description of the reasons for your interest, and the expertise you would bring to the

Vice President Vacancy

The Columbia River Region currently has a vacancy in the Position of Vice President. This position is the starting point of a path through the officer corps (Vice President, President, Past President) of the Region's executive committee. It is an opportunity to help shape the activities and the direction of the ASPRS in the region as well as serve the profession and the society. Parties interested in this position should contact Erik Strandhagen, Columbia River Region President, at estrandhagen@integral-corp.com

GIS in Action

April 21-22, 2009

Vancouver Convention Center & Hilton Hotel, Vancouver, WA

The annual GIS in Action conference hosted by The Columbia River Region of the ASPRS and the Oregon-SW Washington Chapter of URISA is only
Four Weeks Away.

This event features a two-day format packed with information presented in concurrently running workshops and sessions on both days for one fee of \$225.

Visit us at www.orurisa.org/events/gisinact/2009event for more information.

Take advantage of this economical, local gathering of Geospatial Professionals to network and gather up those professional development hours you need.

Registration is open NOW at
<http://www.orurisa.org/events/gisinact/2009event>

Some Conference Highlights:

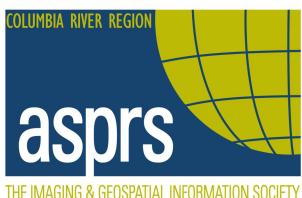
- Three concurrent tracks of **Technical Sessions** highlighting technology and applications.
- The **Exhibit Hall** featuring as many as 25 vendors Serving the Geospatial Industry.
- An informative and entertaining **Plenary Session** each day during lunch.
- The **Vendor Hosted Social** on Tuesday evening from 5:00pm to 7:00pm.
- The **Poster Session** will be held during the Vendor Hosted Social.
- The opportunity to meet and **Network** with GIS professionals from the region.

0.1 GISP credits per day, or a possible **13.5 hours** towards PLS and RPP requirements.

For **General Questions** about the conference please contact:
Chris Aldridge, Conference Chairman, caldridge@continentalmapping.com

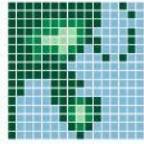
Exhibitors please contact:
Doug Smith, Exhibit/Vendor Coordinator, doug@davidsmithmapping.com
There are a limited number of booth spaces available.

GIS in Action has been the Northwest's premier Geospatial meeting for last 15years.



GIS in Action is a joint presentation of
The Columbia River Region of the ASPRS and
The Oregon and Southwest Washington Chapter of URISA





GIS in Action

April 21-22, 2009
Vancouver Convention Center & Hilton Hotel, Vancouver, WA

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This event features a two-day format packed with information presented in concurrently running workshops and sessions on both days for one fee of \$225. Register online now.

Visit us at www.orurisa.org/events/gisinact/2009event for more information.

DAY 1	TRACK A Sessions	TRACK B Sessions	TRACK C Workshops
7:30-8:30 AM	REGISTRATION		
8:30-10:00 AM	Integrated Applications Moderator: Stephen Lennartz	Open Software for Tax Mapping Moderator: Dean Anderson	Mobile GIS Solutions Instructor: Craig Greenwald
10:30-12:00 PM	Web Based Applications Moderator: Bob Pool	Python Scripting Instructor: Kirby Urner	Managing Digital Photos Instructor: Craig Greenwald
12:00-1:30 PM	LUNCH WITH GUEST SPEAKER Jim Meacham, Mongolian Altai		
1:30-3:00 PM	Land Use Planning & GIS Moderator: Greg Newkirk	Asset Management Moderator: Nels Michaelson	GPS and Field Data Collection Instructor: Alison Walker
3:30-5:00 PM	New Approaches to LIDAR Moderator: Chris Aldridge	Open Source Panel Moderator: Dean Anderson	Cartographic Design Instructor: Ken Kato
5:00-7:00 PM	VENDOR EXHIBIT AND SOCIAL		

DAY 2	TRACK A Sessions	TRACK B Sessions	TRACK C Workshops
8:30-10:00 AM	Marine Resource Management Moderator: Tim Welch	Auto Vehicle Location Moderator: Dan Kaler	Map Production Instructor: ESRI
10:30-12:00 PM	Environmental Analysis Moderator: Erik Strandhagen	Emergency Response Moderator: Christy Khalifa	
12:00-1:30 PM	LUNCH WITH GUEST SPEAKER Chris bellusci, Heritage Display Project		
1:30-3:00 PM	Data Sharing and Accessibility Moderator: Cy Smith		Map Production (cont.) Instructor: ESRI
3:30-5:00 PM	CLOSING SESSION		



April 21-22, 2009
Vancouver Convention Center & Hilton Hotel, Vancouver, WA

Name _____

[Online Registration is](#)

Company Name _____ Title _____

[available at](#)

Address _____

[www.orurisa.org](#)

City _____ State _____ Zip Code _____

For questions regarding the Conference contact Chris Aldridge, Conference Chair @ 503-505-1544

Phone _____ Fax _____

For questions regarding Registration contact Action Registration @

Email _____

Email address is required for you to receive confirmation of your online registration

Conference (Tuesday, April 21st and Wednesday, April 22nd)

Conference registration includes the Vendor's Social and lunch for days registered

Regular Rate (Registrations after Up to April 14) -- **Full Registration** \$225.00 ***Student** \$ 35.00

Late or On Site Registration Rate **Full Registration** \$265.00 ***Student** \$ 35.00

***(Students must provide a valid Student ID)**

One Day Registration -- Tuesday \$125.00 or **Wednesday** \$125.00

Vendor Registration: Please contact the exhibits coordinator, Doug Smith at 503-232-5285 or email doug@davidsmithmapping.com

Registration Cancellations made before April 15th will receive a full refund. Cancellations made after this date will not be eligible for a refund.

Total Amount Due \$ _____ Registrant's Full Name _____

Payment Information Registrations are not processed without payment or PO #

Check # _____ PO # _____

Visa _____ Master Card _____ American Express _____

Credit Card # _____ Exp. Date ____ / ____

Signature for Credit Card _____

Make Checks Payable to: GIS IN ACTION 2009

Mail registration to:

Action Registration, c/o GIS in Action, 13504 NE 84th Street, Suite 103-284, Vancouver, WA 98682

OR Fax registration to: Action Registration, (360) 254-3581

2009 ASPRS FELLOW AWARD WINNERS

RAY HELMERING and **THOMAS R. LOVELAND** have been named the 2009 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). The designation of Fellow is awarded 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 2009 Annual Conference in Baltimore, Maryland.

RAY HELMERING

Ray Helmering is the Vice President of Product Engineering for GeoEye. Helmering holds his PhD and MS degrees in Geodetic Sciences from Purdue University, and his BS degree in Geophysical Engineering from St. Louis University.

In his capacity in the Product Engineering department he is responsible for providing specialized engineering support to production operations, developing and fielding new products, product enhancements, and new or enhanced production systems, and providing engineering support to marketing and regional affiliates. Helmering manages resources at GeoEye's three locations in St. Louis, Missouri, Dulles, Virginia, and Thornton, Colorado.

Prior to the creation of GeoEye, which resulted from the purchase of Space Imaging by ORBIMAGE, Inc., Helmering was Vice President of Image Products and Services for ORBIMAGE. In this capacity, he oversaw the development of ground-based production systems used for the generation of basic and value added products from OrbView-3 imagery.

In 1987, Helmering co-founded TRIFID Corporation and acted as President and COO. TRIFID was an information company that provided engineering and software development services, image processing services and commercial image processing software to national security and commercial customers. Under Helmering's guidance, TRIFID developed one of the first rigorous photogrammetric triangulation applications for SPOT satellite imagery, became a major producer of Arc Digitized Raster Imagery for the Air Force, and marketed TrueVue, a geometrically and radiometrically balanced Landsat mosaic covering the 48 contiguous states. Large volume, multi-sensor triangulation, orthorectification, and mosaicking software which was initially developed at TRIFID continues to form the basis of production software used at GeoEye.

Helmering also served within the Defense Mapping Agency, a predecessor to the National Geospatial-Intelligence Agency, for over 20 years in management and technical staff positions. At the command staff level, responsibilities included management of a \$100 million research and development program. He also managed a significant portion of the DoD multi-billion dollar program to develop a modernized digital mapping service. During his government tenure, Helmering received 15 DoD performance and service awards and published numerous technical papers on automation of mapping services. He has also served as an affiliate professor of Geodetic Science at Washington University.

THOMAS R. LOVELAND

Thomas R. Loveland has worked at the U.S. Geological Survey (USGS) EROS Data Center (now USGS National Center for Earth Resources Observation and Science) since 1979, engaged in research on methods to map and monitor land cover and land use via satellite remote sensing. Loveland holds BS and MS degrees in Geography from South Dakota State University, and received his PhD in Geography, under the tutelage of Dr. Jack Estes, from the University of California-Santa Barbara.

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During the 1990s, Loveland designed and led research that resulted in the first high resolution (1-km) validated global land cover characteristics database (based on analysis of multi-temporal 1-km AVHRR imagery). This unique dataset is now widely used in studies of global change, in climate and weather modeling, biodiversity assessment, fire hazard and other issues. He currently leads a national assessment of the rates, causes, and consequences of contemporary U.S. land cover change ("Land Cover Trends" project). In this effort, he directs a team of USGS and academic research scientists providing comprehensive, objective analysis of U.S. regional land cover trends, the driving forces of regional change, and an assessment of the local, regional, and global consequences of such change. During the past two years, Loveland has also devoted much effort to establishment of the USGS-South Dakota State University Geographic Information Science Center of Excellence. The Center, of which he is co-director, is a model program that demonstrates the synergy that can result when world-class remote sensing and GIS scientists from government and academia are brought together to address earth science issues.

Loveland has authored or co-authored over 85 major publications, at least 50 of which are in the refereed literature. Since 1995 he has delivered well over 60 papers at national and international meetings, as well as professional organizations such as the Association of American Geographers, and the American Geophysical Union. Every article represents a genuine contribution to better understanding of remote sensing of the biosphere. The majority are articles on which Loveland is lead author, and virtually all are published in journals having high professional stature (e.g., *Annals of the AAG*, *International Journal of Remote Sensing*, *Remote Sensing of Environment*, *PE&RS*, *Journal of Geophysical Research*, *Ecological Applications*, *Global Change Biology*). Every article identifies outcomes of the widespread multi-disciplinary collaborations he has fostered with colleagues. He has received many national and international awards and honors. He is a highly respected grants-man. Just since 2001, he has been Principal Investigator or Co-Principal Investigator on grants and contracts valued at over \$4 million from USGS, EPA, NASA, NOAA and others.

As an adjunct faculty member at South Dakota State University, Loveland has taught eight courses, has advised five MA students and has served on the graduate committees for 15 other students. He has been a Director of the AAG Remote Sensing Specialty Group, and Chair of the AAG Great Plains-Rocky Mountain Division, and recently served as Director of the Remote Sensing Applications Division of ASPRS. He has served as a manuscript and proposal reviewer for dozens of professional journals and agencies, and has recently reviewed 18-24 papers per year for some 17 journals including being on call for *PE&RS* articles.

Founded in 1934, ASPRS is an international professional organization of 6,000 geospatial data professionals. ASPRS is devoted to advancing knowledge and improving understanding of the mapping sciences to promote responsible application of photogrammetry, remote sensing, geographic information systems and supporting technologies.

Dear ASPRS Members,

The international Group on Earth Observations (GEO, www.earthobservations.org) recently issued a Call for Proposals (CFP) "Earth Observations in Decision Support." This CFP seeks projects that apply Earth observations (remote sensing, satellite data, ground monitors, models, etc.) to improve decision making. There is a strong focus on helping developing countries build skills and capacity to access and use Earth observations. There are 3 categories of projects, depending on an organization's knowledge and experience with applications. The four themes in the CFP are Agriculture, Water, Energy, and Health. The CFP also requests people & organizations to be Advisors to projects in developing countries. GEO is using a unique funding approach to these projects, brokering connections to match projects with donor organizations.

The Call for Proposals is available through the GEO website www.earthobservations.org.

The brief Concept Proposals are due June 4, 2009, and Full Proposals are due November 10, 2009.

One of the overall goals of this CFP is to build worldwide interest, abilities, and overall demand for Earth observations, products, and services. For ASPRS, we hope this is a unique opportunity to share your knowledge of remote sensing applications, build your networks, and identify new markets and customers.

Calendar By Jamie Ludwig

April 6, 2009: Portland State University, ASPRS Student Chapter Colloquia. Steve Lennartz, Remote Sensing Analyst, Sanborn Map Company. Cramer Hall, Rm. 413, 3:00 - 400
<http://www.psuasprs.groups.pdx.edu/calendar/calendar.html>

April 21-22, 2009: GIS in Action: ASPRS Columbia River Region and URISA Oregon and Southwest Washington cosponsors. Vancouver, WA
<http://www.orurisa.org/events/gisinact/2009event/index.html>

May 4-6, 2009: American Water Resources Association, Spring Specialty Conference "Managing Water Resources and Development in a Changing Climate". Anchorage, AK: <http://www.awra.org/meetings/Anchorage2009/index.html>

Thanks to Our Sponsors



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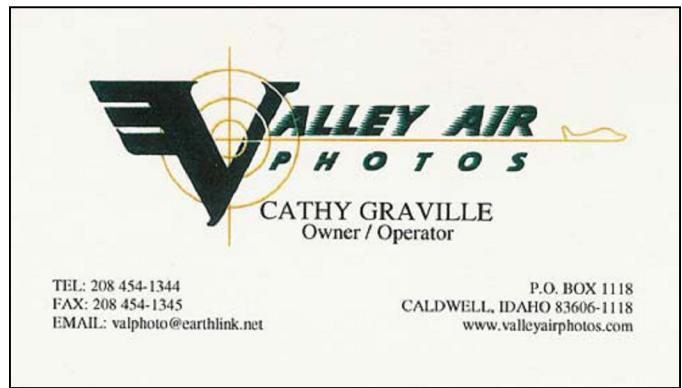


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