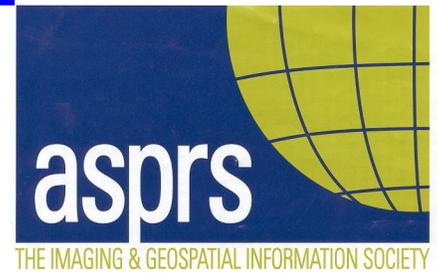

Wavelengths

Columbia River Region



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

Volume 2009:3 — September 2009

A word from Chris Aldridge, Director, Columbia River Region

The ASPRS board of directors recently approved the “Guidelines for Procurement of Professional Aerial Imagery, Photogrammetry, Lidar and Related Remote Sensor-based Geospatial Mapping Services” for publication and dissemination to the public at large (the press release follows this forward). I don’t think that the importance of this document can be minimized. It has come after two years of difficult and often contentious meetings and discussions. Doug Smith of David C. Smith and Associates led this effort for the Professional Practice Division (PPD) of the ASPRS. I want to say thank you to Doug and all of the committee members that worked so very hard on this document. Doug follows a strong history and tradition of leadership for the ASPRS that emanates from the Columbia River Region. Once again, one of our own took on an extremely difficult task for the society and helped to demonstrate why this region continues to be one of the strongest in the society on all levels.

It is very important to understand that this guideline recommends procedures for acquiring professional services in photogrammetry and remote sensing. There is a distinction that should be understood between a professional service requiring independent professional judgment and a technical service or a product. In Oregon particularly, we have chosen to license photogrammetrists and recognize the professional nature of their services. The “Guidelines” provide a method for public and private agencies to understand the difference between a professional and technical service and helps to map a suggested course for those agencies to procure the services that they need.

Once again, thank you to the PPD, the Guidelines Working Group, and particularly to Doug Smith for his dogged determination to produce this important document.

ASPRS Board of Directors Approves Guidelines for the Procurement of Professional Services

The Board of Directors of the American Society for Photogrammetry and Remote Sensing (ASPRS) has approved the “Guidelines for Procurement of Professional Aerial Imagery, Photogrammetry, Lidar and Related Remote Sensor-based Geospatial Mapping Services.” A copy of the Guidelines is available online at <http://www.asprs.org/guidelines>.

Developed over the past three years, the document provides a definition of “Professional Services” along with detailed procurement guidelines and recommendations. Now that the document has been approved by the ASPRS Board, it supersedes the outdated ASPRS document entitled “Guidelines for Procurement of Photogrammetric Services from Private Professional Sources” originally adopted in 1986 and published in 1987 (see *Photogrammetric Engineering and Remote Sensing (PE&RS)*, Vol. 53, pp 207-212). “The completion of these Guidelines is an important milestone,” said ASPRS Executive Director James Plasker. “While these are guidelines, and by no means mandatory, we believe they constitute a best practices approach for the procurement of professional geospatial services.”

(continued on page 2)

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The Guidelines were prepared by the ASPRS Procurement Guidelines Committee, an ad hoc committee appointed by the ASPRS leadership. The Committee, chaired by Doug Smith, ASPRS Professional Practice Division Director, includes representation from the ASPRS Professional Practices Division, ASPRS members from state and federal government, the Management Association for Private Photogrammetric Surveyors (MAPPS) and the American Congress on Surveying and Mapping (ACSM). The development process spanned more than three years, and included numerous public presentations, comment periods, and draft publications.

The intent of these Guidelines is to provide public agencies, researchers, private entities and other organizations with a resource they can use as a guide to help determine the best approach and methodology for procuring photogrammetry and related remote sensor-based geospatial mapping services. Currently, there is an effort to produce an adjunct document that provides guidelines for the procurement of “geospatial products.” Once drafted and vetted in a similar manner, that document will also be subject to Board approval. “Our efforts were intended to be as open and public as possible. While we realize that not every comment was accepted or incorporated into the document,” said Doug Smith, “many were, and we believe the resulting Guidelines should serve the community well for many years.” Information on the process, including documentation of the comments and Committee responses, is also available on the ASPRS website.

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. For additional information about ASPRS, visit our web site at www.asprs.org.

President’s Report by Erik Strandhagen

Greetings! Now that summer is winding down and the colorful autumn months are just around the corner, it is a good time to reflect on our sun-soaked memories. This summer I visited the scenic Columbia River Area, our ASPRS region’s namesake. The Columbia River Region (CRR) is situated among a dynamic landscape, and the Columbia River Gorge is a perfect example of the rich physical and cultural resources in our backyard. I spent some time hiking segments of the old Historic Columbia Highway, including exploring the Mosier Twin Tunnels which penetrate the basalt cliffs high above the Gorge. The tunnels, originally built to support a section of the old Historic Columbia Highway, are now part of a trail that connects Hood River and the town of Mosier. These tunnels are a fascinating example of how our region’s history, geography and geology literally all intersect. I also explored the Tom McCall Nature Preserve located near Rowena Crest. Wildflowers fill the plateau and the views of the Gorge are spectacular with its amazing geology. I truly appreciate living in this exciting region, famous for its captivating landscapes that demand our attention both professionally and personally.

Summer tends to be a slow time for regional events when classes are out and vacations are in full swing, however, there has been considerable activity within the Columbia River Region of the ASPRS and more upcoming events are on the horizon.

Symbolizing the strength and vitality of our region, CRR hosted a regional event, launched a new website, and is currently planning the annual technical exchange. CRR National Director Chris Aldridge organized an open house/technical presentation to introduce the new UltraCam –L medium format digital camera. The event was held on August 20, 2009 at the Bergman Photographic Services hanger located at Aurora State Airport.

CRR Region Newsletter Editor/Webmaster Jamie Ludwig launched the revised CRR website in August. Please join me in thanking Jamie for a great job on the new website and her dedication to the region.

Jamie has also done an excellent job as newsletter editor for the last year, but is now ready to focus solely on the webmaster position. She would like to hand over the newsletter editor position to another member volunteer. This vacancy creates an opportunity for a CRR member to contribute her/his talents to the region. Please see the details of the position here in this newsletter.

(continued on page 3)



View from the Mosier Twin Tunnels located in the Columbia Gorge, Oregon.

National Director's Report

by Chris Aldridge

Summer is typically the "slow" period for the region. Not so much this year. I completed my first Executive Committee meeting in July. Essentially, this has the content of another board meeting but with fewer participants. I'm still a little unclear on what I can and cannot convey to you all, so my report on the that meeting will be brief.

Perhaps the most important action of that meeting was recommending that the the "Guidelines for Procurement of Professional Aerial Imagery, Photogrammetry, Lidar and Related Remote Sensor-based Geospatial Mapping Services" be put before the board for acceptance and publication. This is an extraordinary document and quite important to our industry. The press release is included in this newsletter, so I will not belabor that topic.

Financially, the organization still remains very strong. We certainly took hits during the decline of the stock market but the silver lining is that we lost less than the national average. I suppose that is good news. The committee recommended and approved setting a benchmark for our long term reserves at 70% of the annual operating budget. Think of this as the rainy day fund or worst case, the catastrophic financial failure fund.

Otherwise, business as usual and I'll have more to report after the full board meeting this November.

Regionally, we co-hosted the Vexcel Digital Camera Technical session with Bergman Photographic Services, Inc. (BPS). BPS has acquired a new Vexcel UltraCAM L, medium format digital camera. This is camera with serial number one (1). That's right, the very first of its kind to be assembled and put into production. This was one of our more successful technical sessions, with forty attendees from Public and private agencies as well as a strong representation from our student population. BPS very graciously hosted this session at their hanger where we were able to tour that impressive facility and view all of the BPS fleet of aircraft and sensors. Pat McConnell of Microsoft-Vexcell gave a good presentation on digital sensors in a manner that laymen and professionals alike could benefit.

The 13th Annual Joint Technical Exchange with the Puget Sound ASPRS Region will be held October 2, 2009 at the Vancouver Water Resource Education Center in Vancouver, Washington. This is an excellent forum to present a recent project and/or learn what exciting geospatial work is occurring in the Pacific Northwest. Last year we had 12 presentations and 45 attendees. CRR Vice President Erik Brewster is hard at work currently planning the Technical Exchange with Puget Sound Region Vice President Dr. L. Monika Moskal of the University of Washington. We are excited to collaborate once again with our neighbors to the north in the Puget Sound Region.

Look for upcoming information for a CRR hosted National ASPRS workshop in the near future. Please attend the Technical Exchange and share your research with the CRR and Puget Sound Regions.

The next time you are online surf over to the new CRR website:

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

Make sure you check out the calendar for upcoming events in the region and look for more content in the future

(continued on page 4)

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We are currently in discussions with BPS and several others about presenting a more technically steeped workshop to help mission planners to understand the challenges presented in planning acquisition missions with the UltraCAM L as opposed to a film based camera.

I would like to extend my personal thanks to Bruce and Larry Bergman and all of the BPS staff for making their hanger available to us and allowing us to help them bring information about a new technology to the region. With that, I will close and wish you all a prosperous 4th quarter.

Report from Portland State University Student Chapter

By Brian Block, President

On July 11th, the Portland State University student chapter of ASPRS held its first annual retreat at the Timberline Lodge on Mount Hood. Attending this event were David Banis, Brian Block, Dan Craver, Nadia Jones, Lily House-Peters, Sarah Praskievicz, Bethany Pratt, and Dan Uthman. Holding an off-campus meeting during the summer offered an opportunity to conduct business without the usual distractions of school commitments.

Our first goal was to update our student constitution, which had fallen out of date over the years and ensure it was in line with the current mission. Several members brought laptops and the conference room included projection equipment for our brainstorming sessions. These included future colloquia speakers, field trip suggestions, increasing our collaboration with other departments /groups, and conference attendance. The main goal of these discussions was to continue our momentum of increased attendance achieved during last year as well as reaching out to more students. Finally the task of facilitating the transition of job responsibilities occurred with incoming and outgoing officers pairing up for work sessions. The lodge provided great food, including smoked chicken salad and snacks of speckled jellybeans providing an energy boost. A short hike towards Mount Hood to digest our meal completed the retreat.

We want to offer thanks to our outgoing officers, past President Dan Craver and Treasurer Sarah Praskievicz for their outstanding work.

Dan is returning to the U.S. Fish and Wildlife Service and will be presenting a paper at PSU later in the year. Sarah is pursuing her doctorate in Geography at the University of Oregon. We intend to keep in touch with her to improve communication between student chapters. I welcome our incoming officers Nadia Jones (VP), Lily House-Peters (Secretary), Bethany Pratt (Treasurer), and Dan Uthman (Webmaster). We are fortunate to have this talented and dedicated group for 2009-2010



First annual ASPRS PSU Student Chapter retreat at Timberline Lodge.: (l- r) Bethany Pratt, Dan Uthman, Sarah Praskievicz, Nadia Jones, Lily House-Peters, Dan Craver, David Banis, and Brian Block.

Report from University of Oregon Student Chapter

By Suzanne Walther, President

The summer months are very busy for our student chapter members as we dive into research, summer teaching, and jobs. Our members have been conducting research both in the lab and in the field, teaching summer courses, and working with geospatial councils and organizations on projects related to their research. Didi Martinez, Leslie McLees, and Suzanne Walther, all received the UO ASPRS student chapter research grant to conduct summer work.

Didi used her research award to look at potential dissertation research sites in Oregon that are adequate for vegetation analysis, including Camp Creek and the Deschutes, Applegate, Middle Fork John Day, and John Day rivers.

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Leslie McLees combined her ASPRS research award with a Department of Geography summer award to do fieldwork to investigate how urban community farms are situated within the city of Eugene. Her project consists of a survey, interviews and photographic analysis and she plans to write up her results in the fall. Suzanne utilized her award to spend time on the lower McKenzie River to complete her field measurements on the effects of canals and dams on sediment distribution.

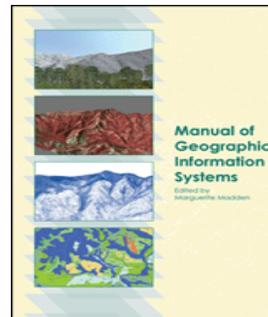
Members Paul Blanton, Leslie McLees, and Suzanne Walther all taught summer geography courses on Geomorphology, Geography of Oregon, and Physical Geography, respectively. When her teaching commitments ended, Suzanne started work as an intern with the Eugene Water and Electric Board (EWEB) the Lane Council of Governments (LCOG) working on hydrological modeling of the McKenzie River basin. After teaching, Paul continued GIS and field research on the ecological and geomorphic impacts of floodplain structures in the Chehalis and Yakima basins in Washington state (mapping features off aerial photographs) and also continued work exploring the utility of pre-existing digital data and commonly used floodplain metrics to document and analyze basin-wide human impacts in river corridors. His paper 'Railroads, roads and lateral disconnection in the river landscapes of the continental United States' is now in press in the journal *Geomorphology*. Member Derek Miller has been in Spain working on mapping cultural landscapes using GPS and GIS technology as part of his thesis research.

Members Matt Millett and Megan Lawrence work with tactile mapping for the vision impaired. This summer Matt made tactile trail maps of Cape Lookout and Megan and Professor Amy Lobben used the maps on hikes with visually impaired children to estimate distances. All three went to Seattle to run workshops showing people how to use the Tactile Map Software that was made in conjunction with the Computer Science Department over the last four years. Currently, Amy and Megan are running an fMRI study on map perception using maps and satellites images.

It has been a productive summer on all fronts. We have scheduled our returning chapter meeting for the first week of the fall quarter at the end of September with a full agenda that includes new elections, GIS Week planning, website development, and new member recruitment and welcome.

Manual of Geographic Information Systems

Marguerite Madden, PhD, editor



Order at: http://www.asprs.org/gis_manual/index.html

Vacancy Newsletter Editor

The ASPRS-CRR is seeking a replacement for the volunteer position of newsletter editor. This position is available because the current newsletter editor would like to focus her energy solely on developing and maintaining our new website to come. ASPRS CRR would like a one-year minimum commitment from any potential candidate. Responsibilities for the newsletter include: attending the quarterly ASPRS CRR board meetings, usually held on the campuses of PSU, U of O, or OSU; receiving, editing, and formatting newsletter submissions from members; photographing ASPRS events or making arrangements to obtain photographs of ASPRS events; tracking local and national news related to remote sensing, GIS, and photogrammetry to include in the newsletter. The ASPRS CRR provides Adobe Publishing Software for the position.

If you are interested in volunteering, please send an email to the current newsletter editor, Jamie Ludwig, at: jamieludwig@hotmail.com (503-413-9318). Please give a brief description of the reasons for your interest, and the expertise you would bring to the region.

Welcome New CRR Members!

The members listed below have either joined (or rejoined) the CRR since July 2009.

Chad Dettlaff	Portland
Trevor Taggart	Beaverton



THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

COLUMBIA RIVER & PUGET SOUND REGIONS 13th ANNUAL TECHNICAL EXCHANGE

Date: Friday, October 2nd, 2009

Time: 9:00-4:00 (Setup time available for presenters: 8:00-9:00 a.m.)

Place: Vancouver Water Resource Education Center

4600 SE Columbia Way

Vancouver, Washington, (360) 487-7111

Registration / Abstract Deadline: September 25th, 2009

Registration Fees:

Members	\$25
Non-members	\$35

Includes box lunch and copy of abstracts

ASPRS Student Member: Free Lunch \$ 10 = \$10.00

Non-members Students* \$10 Lunch \$10 = \$20.00

(Includes copy of abstracts)

**Fee waived if students register for ASPRS membership at session.*

We recommend purchasing the box lunch as there are no dining facilities in the near vicinity of the Water Resources Education Center.

Parking: Ample FREE parking available at the meeting site

WHAT: Technical presentations by Professionals, Educators and Researchers.

This event is an informal opportunity for people who are interested in the topics of GIS, photogrammetry, and remote sensing to learn more about what's going on in our own region in resource management, government, academia, and business. The information exchange is a day-long event in which local practitioners may present a 20-minute talk on one of their current or recent projects. This is also an opportunity to learn new techniques, meet new contacts, and refresh old ones. Projectors and wireless internet connection will be available. Presenters are asked to their keep presentations under 20 minutes to allow for questions and timely proceedings.

Speaker slots will be limited due to the single-day schedule, so get your requests in early to insure your slot. **Abstracts are due Sept. 25, 2009.**

In addition to the visual presentations, each speaker will submit a 1-page description of the project and a 1-page profile of their organization (forms are on pages 4 and 5). **The 1-page write-ups must be submitted by registration deadline** so they can be compiled into a notebook for distribution at the meeting. Lunch and the notebook will be included in the registration fee.

WHO: ASPRS Members and Non-Members interested in expanding their knowledge.

Anyone interested in learning more about GIS, photogrammetry, remote sensing, and related fields or who wish to share information about interesting or unusual projects in these areas are welcome. Please, extend this invitation to your colleagues who work in the areas of GIS, photogrammetry, and remote sensing. No commercial presentations or endorsements are allowed.

We particularly want to encourage non-members to come find out more about ASPRS. As an encouragement, student attendees who wish to join ASPRS the day of the session will have the **registration fee waived**. In addition, any person or company can sponsor a student by covering the \$10 registration fee, so please consider sending them to this session to learn more about our industry and society.

WHERE: The meeting will be held at the

Vancouver Water Resources Education Center:

4600 S.E. Columbia Way, Vancouver, WA. (360) 487-7111

<http://www.cityofvancouver.us/watercenter.asp?waterID=25038>



THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

COLUMBIA RIVER & PUGET SOUND REGIONS

REGISTRATION FORM (2 pages)
To be completed by participants and presenters
***** SUBMIT BY September 25th, 2009 *****

Erik Brewster
HDR Inc.
1001 SW 5th Avenue Suite 1800
Portland, Oregon 97204-1134
Office: (503) 423-3854
Cell: (503)756-3157
Fax: (503) 423-3737
E-mail: erik.brewster@hdrinc.com

Name: _____

Company /School: _____

Address: / Zip-Post Code: _____

Phone: (____) _____ FAX: (____) _____ Email: _____

Registration Fee:

ASPRS members \$ 25.00	Non-Members \$35.00 =	\$ _____
(Includes abstracts and lunch)		
Student ASPRS members <u>Free</u>	Student non-members \$10.00 =	\$ _____
(Includes abstracts - Lunch not included)		
Student lunch	\$10.00 =	\$ _____
	TOTAL:	\$ _____

Payment Method Cash (accepted at door, day of event) Check (**Make Payable to ASPRS**)

Credit Card: Visa Master Card American Express

We recommend fax or email scanned documents for Credit Card registrations.

Cardholder's name: _____

Card number _____

Expiration date _____

Cardholder's signature: _____

LUNCH:

TURKEY HAM ROAST BEEF TUNA VEGIE CHICKEN SALAD

Pepsi reg. diet **Sierra Mist** reg. diet **Dr. Pepper** reg. diet

Mug Root Beer reg. diet **Lipton Tea** (sweetened) water

FOR PARTICIPANTS

Also Submit page 8, **ASPRS INFORMATION EXCHANGE COMPANY FACT SHEET**

Return via email to erik.brewster@hdrinc.com

FOR PRESENTERS

Also Submit page 8, **ASPRS INFORMATION EXCHANGE COMPANY FACT SHEET** and Page 9, **ASPRS INFORMATION EXCHANGE PRESENTATION FORM** Return via email to erik.brewster@hdrinc.com



THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

COLUMBIA RIVER & PUGET SOUND REGIONS

ASPRS INFORMATION EXCHANGE COMPANY FACT SHEET

To be completed by participants and presenters

DUE Sept 25th, 2009

Name:

Address:

Organization:

Website URL:

Function of Organization:

Phone:

FAX:

Email:

Description of Organization:

Current Projects:

Description of Technology:



THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

COLUMBIA RIVER & PUGET SOUND REGIONS

ASPRS INFORMATION EXCHANGE PRESENTATION FORM

To be completed by presenters only

DUE Sept 25th, 2009

Speaker:

Company/Institution:

Topic:

Abstract: (less than 200 words)

DRIVING DIRECTIONS

From I-5 north- or south-bound:

- Take the Camas Highway Hwy 14 exit. Within ¼ mile, take Hwy Exit #1.
- Turn right, (south) at foot of off-ramp. Travel under the railroad berm.
- At the traffic light, turn left (east) onto Columbia Way.

Meander past “dead end” sign until you see the “large” Water Resources sign, wrap around median and turn right into drive way. Parking in the rear of building now on your left.

From I-205 north- or south-bound:

- Take the Vancouver Hwy 14 exit. Go approx. 4 miles to Columbia House Blvd, Exit #1.
- Left at first light.
- Proceed parallel to the freeway (west) to the freeway underpass intersection.
- Turn left (south) onto Columbia Shores. Travel under freeway and the railroad berm.
- At the traffic signal, turn left (east) onto Columbia Way.

Meander past “dead end” sign until you see the “large” **Water Resources Ed. Ctr.** sign, wrap around median and turn right into drive way. Parking in the rear of building now on your left.

From Downtown Vancouver:

- Travel toward the river (south) on Columbia Blvd. Proceed under the I-5 bridge
- Travel through the Columbia Shores traffic intersection.

Meander past “dead end” sign until you see the “large” **Water Resources Ed. Ctr.** sign, wrap around median and turn right into drive way. Parking in the rear of building now on your left.

e-Directions: <http://www.mapquest.com/mq/9-hlbs0YmUIyOY>

LODGING SELECTIONS

[Homewood Suites by Hilton](#)

701 SE Columbia Shores Blvd, Vancouver, WA
(360) 750-1100

[Red Lion Hotels: Red Lion Hotel on the River Jantzen Beach](#)

909 N Hayden Island Dr, Portland, OR
(503) 283-4466 - ★ ★ ★ ★ ★

[Red Lion Hotel Vancouver](#)

100 Columbia St, Vancouver, WA
(360) 694-8341

[Hilton Vancouver](#)

700 Washington St, Vancouver, WA
(360) 993-4500 - ★ ★ ★ ★ ☆

[Quality Inn & Suites](#)

7001 N.E. Highway 99, Vancouver, WA
(360) 696-0516

ASPRS National News:

ASPRS represents the geospatial and information technology community on INCITS/L1 and voted to approve the work described in the press release below, issued by INCITS. This notice is for your information. The InterNational Committee for Information Technology Standards (INCITS) and its Subgroup on Geographic Information Systems (GIS) are proud to announce the publication of INCITS 453-2009, the North American Profile (NAP) of ISO 19115: 2003, Geographic Information – Metadata.

Through effort for collaboration, United States and Canadian scientific volunteers from the InterNational Committee for Information Technology Standards Technical Committee L1 (INCITS/L1) and the Canadian General Standards Board Committee on Geomatics (CGSB-COG) developed the geographic metadata content needed to tailor the International Standard ISO 19115 to meet the requirements of both countries. Co-located working meetings were held in Canada and the U.S. over a three-year period, punctuated by public reviews of various versions of the Profile by the geospatial metadata community. This process was based on the usual approach taken for the development of other international metadata standards.

ISO 19115 is an International Standard that enables its users to locate, access, evaluate, deliver, and integrate geographic and geospatial datasets through the consistent use of metadata entities. The NAP is intended to consistently and effectively catalogue traditional geographic datasets and dataset series for both the United States and Canada, as well as services, clearinghouses, features within datasets, and even the attributes of features, if desired.

The NAP may be purchased at the ANSI eStandards Store (webstore.ansi.org).

The **ASPRS/MAPPS 2009 Specialty Conference** is just around the corner!

Advertise in the **November Fall Conference issue of PE&RS** and grab the attention of hundreds of remote sensing data users, researchers, digital mapping experts and policy-makers who will be most interested in the latest products and services you have to offer.

Don't miss this prime opportunity to promote your company! In addition to its regular subscribers, the November issue will be widely circulated to conference attendees. **PLUS** exhibitors will receive an additional 10% off any size display ad in this issue!

Reserve your space today. Premium positions are going fast. Space reservations close on September 25.

Member Champions Incentive -

Member Champions will receive a **10% discount off their next year's dues payment for every member recruited, plus \$5 in ASPRS Buck\$**. In order to process this reward, Member Champions need to be sure their name is listed on the membership application of the new members they have signed up.

This information is also available on our web site at <http://www.asprs.org/membership/>

By signing up 10 individuals for ASPRS membership, you are eligible to receive **the Ford Bartlett Membership Award** and one year of free membership for yourself and **\$50 in ASPRS Buck\$**.

Submit an Abstract of a Paper or Poster for the ASPRS 2010 Annual Conference Now!

Opportunities for Emerging Geospatial Technologies

April 26–30, 2010

Town and Country Hotel

San Diego, California

DEADLINE: October 3, 2009

Oral Presentations: Full details of this conference and abstract guidelines may be found at <http://www.asprs.org/SanDiego2010/call.html>. Don't miss this once a year opportunity to share your work with your industry associates and experience the premier conference in your field.

Poster/Electronic Presentations: These will also be part of the technical program. Please use the online abstract form to submit your poster or electronic presentation. This form and further details can be found at <http://www.asprs.org/SanDiego2010/call.html>. **These presentations are for technical work ONLY and are not intended for commercial displays.**

Workshop Presentations: Anyone interested in proposing a workshop presentation for consideration should contact Bob Burtch, ASPRS Workshop Coordinator, at rburtch@charter.net by **October 3, 2009** for instructions.

Please submit your abstract from a system that has Internet Explorer 5.5 and above or Netscape Navigator 5.X and above. If you are trying with a compatible browser and the browser takes a long time to load without going to the next stage, please close your browser and start a new submission. If you have reached an error page, please send your abstract to <mailto:willsm@missouri.edu> in a text/MS word file format in the same order as it appears on the abstract submission page. If you do not receive an auto-email confirming your abstract submission, please send an email to <mailto:willsm@missouri.edu> with the primary author name and Unique Identifier details.

ASPRS/MAPPS 2009 Specialty Conference

Digital Mapping, from Elevation to Information

San Antonio, Texas, November 16—19, 2009

MAPPS and ASPRS are once again organizing a dynamic conference around a specialty theme “Digital Mapping – From Elevation to Information.” This follows on the successful joint 2001 Conference on “Digital Elevation Technologies and Applications,” the 2003 Conference on “Terrain Data: Application and Visualization – Making the Connection,” and the 2006 Conference on “Measuring the Earth: Latest Developments with Digital Surface Modeling and Automated Feature Extraction.” This meeting will build on those experiences and will focus on: (1) technical needs for information derived from elevation and other geospatial data; (2) the evolving technology options to address those needs; (3) innovative techniques for data analysis and fusion; and (4) user applications and benefits that justify the costs of such mapping programs. More information can be found at <http://www.asprs.org/sanantonio09/index.html>.

Calendar

September 29 — October 2, 2009

Annual Conference & Exhibition
URISA's Annual Conference and Exhibition features management and policy discussions of IT/GIS issues affecting urban and regional governments. http://www.urisa.org/conferences_workshops

September 25, 2009, 8:00—5:00 pm

North Central Chapter Land Surveyor's Association of Washington State (LSAW). Free seminar. East Wenatchee City Hall Wenatchee, WA
<http://www.lsaaw.org/public/FreeSeminar2009.pdf>

September 30 — October 3, 2009

Association of Pacific Coast Geographers Annual Meeting.
The Department of Geography at San Diego State University is proud to host the 2009 APCG Annual Meeting, which will be held at the Town and Country Resort and Convention Center in San Diego, California
<http://geography.sdsu.edu/apcg/>

November 9—12, 2009

The AWRA Annual Water Resources Conference. A forum for participants to explore the many multidisciplinary aspects of water resources research, policy, and management.
Seattle, WA
<http://www.awra.org/meetings/Seattle2009/index.html>

November 16—19, 2009

ASPRS/MAPPS 2009 Specialty Conference
MAPPS and ASPRS are once again organizing a dynamic conference around a specialty theme "Digital Mapping – From Elevation to Information."
<http://www.mapps.org/events/index.cfm>

Thanks to Our Sponsors



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