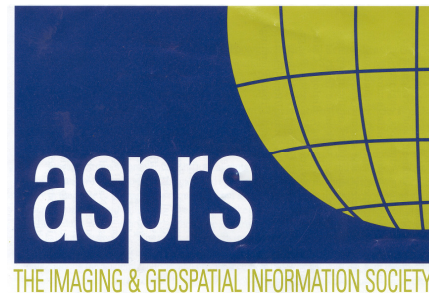

Wavelengths

Columbia River Region

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



Volume 2008:2 — June 2008

President's Letter

By Steve Lennartz

The Columbia River Region has so much to be proud of this year. Our members have dedicated themselves to hosting the greatly successful 2008 Annual ASPRS Conference, "Bridging the Horizons, New Frontiers in Geospatial Collaboration". Attendance by over 1400 registrants and 77 vendors, a combination of engaging plenary

speakers, interesting workshops and relevant technical programs, representative user groups, and entertaining socials made this conference a great success. Special thanks to the tireless efforts of Geoffrey Duh, Roger Crystal, Chris Aldridge, Anne Hillyer, Stephen Duncan, Nancy Tubbs, Jackie Olson, Michael Wing, and all of the volunteers and committee members who donated their time to make this conference happen.

(Continued on page 2)



In celebration of ASPRS' 75-year anniversary, Bergman Photographic Services of Portland Oregon captured this aerial flyover of ASPRS 2008 National Conference participants standing in formation outside the Oregon Convention Center.

(Continued from page 1)

Our region has been honored for the second year running as the First Place Region of the Year, specifically citing our increase in active and student membership, region program awards, our student chapters, technical meetings and workshops, and our efforts with the working group on certification. The region also received for a second year running, First Place for Region Newsletter of the Year, citing our newsletter, "Wavelengths", unique style of photojournalism, concentration on ASPRS certification programs, and our coverage of geospatial news and our promotion of scholarships. The Columbia River Region has also received Third Place for Region Website of the Year, decided by a weighting system applied by a third party neutral judge assessing the websites on their look and feel of design, accuracy and timeliness of content, and page accessibility. The region has achieved these honors by having an active member base, ready to roll up their sleeves and put into their organization. Our efforts have been nationally recognized, these accomplishments are something in which to take a great amount of pride.

So what now? Our region has strong momentum and is putting it into events for the upcoming year. The CRR board has outlined some great ideas for engaging our members. We'll be looking forward to another annual Joint Technical Exchange with the Puget Sound Region, as well as another annual ASPRS workshop for our region. Our region will also be involved with the annual GIS in Action conference. Our student chapters have been inspiring students by representing our profession at its best, and will be offering a new colloquium schedule for the fall.

I'm sure many of you are looking forward to your summer field season or just a long overdue vacation. Well, share your summer story with us! Whether it's mapping junipers in central Oregon, collecting training points for automated image classification in the wilds of Montana, or just vacationing in your favorite summer spot. We'd love to hear about it!

Editor's Note

Anne Hillyer will be resigning as newsletter editor after this issue in order to attend to her position as Assistant Director of the Professional Practice Division. Jamie Ludwig will be the Columbia River Region newsletter editor starting with the August 2008 newsletter. Welcome Jamie!



The exhibit hall at the 2008 ASPRS National Conference in the Oregon Convention Center, Portland Oregon.

National Director's Report

by Chris Aldridge

Congratulations Columbia River Region for being awarded the Region of the Year, Newsletter of the year, and 3rd Place Website of the year, for the second year in a row! It is deeply satisfying to be recognized by our organization for the effort that our region has put into developing Student Chapters, presenting workshops, and the contributions that we have made to the Society as a whole. I want to extend a personal thank you and congratulations to Steve Duncan, Steve Lennartz, Ralph Kiefer, Brian Miyake, Anne Hillyer, and all of the members of our region who contributed their time and effort and made us the best for the year 2008. Shall we go for a "Threepeat" in 2009?

Further congratulations go to all of those involved in producing the "ASPRS Annual Meeting: Bridging the Horizons" which was hosted by the CRR and presented here in Portland. The conference was an unmitigated success, with attendance near 1500 and 77 exhibitors. I feel a little awkward describing a conference that I hope the majority of you attended, but...

Our Region-hosted social event on Tuesday evening kicked off a week of well attended and appreciated technical and social events. I received numerous positive comments on virtually all aspects of the conference. The opening plenary session was a departure from the normal keynote, in that we presented a panel of industry leaders to give their views on the state and direction of the geospatial industry. Thank you to Kim Tilley, ASPRS Assistant Executive Director for

(Continued on page 3)

(Continued from page 2)

suggesting this idea back in San Antonio. The Technical program was steeped in LiDAR (imagine that) and the vast majority of the sessions, right up to the closing session, exceeded or were very near capacity. The exhibitors that I spoke to were all satisfied with the traffic that they received, and the HQ staff from Bethesda did their usual outstanding job guiding, supporting, and organizing everything from the Hotel and convention center to the social event at the Forestry Center. I want to personally thank five of our region members who went above and beyond the call for our Region and the Society. **Roger Crystal** worked tirelessly as the conference chair to ensure that everyone was on the same page, and that we were presenting the best conference that we could. **Geoffrey Duh** worked very hard on the technical program committee and was instrumental in ensuring that the program was complete. **Anne Hillyer and Steve Duncan** never actually left the ASPRS Office, as they were always there to assist and guide the student volunteers who were instrumental in the success of the conference. And **Brett Hazell**, who put together the user group meetings and received nothing but praise from HQ.

The Board of Directors meeting was held on Friday. I'm pleased to say that the Society is still financially VERY healthy. The ASPRS Foundation has matured and is now beginning to examine a broader influence in the organization's finances. A good number of our awards are already fully endowed and the remainder are soon to follow. Membership is still an issue. Al Karlan has taken over as membership committee chair and has some very interesting and targeted ideas for increasing membership.

We will be sending a delegation to the ISPRS (International Society for Photogrammetry and Remote Sensing) in Beijing this summer. Our own Mike Rensow has been nominated for the position of Treasurer of ISPRS, and is currently running unopposed. Marguerite Madden our immediate past president is also a candidate to lead Commission IV.

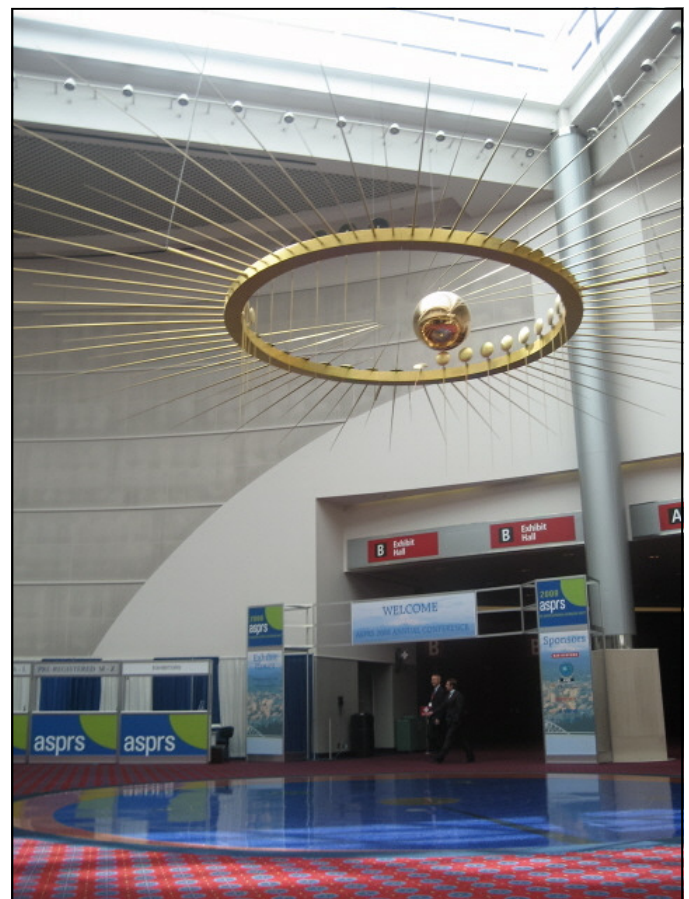
ASPRS and the Colonial States Boards of Surveyor Registration (CSBRS) continue to work on questions for the NCEES examination for photogrammetrists. This test will be available for the second half of 2008.

The LiDAR Archive Standard LAS 1.2 is currently under review by the standards committee, and we expect to be able to put the acceptance of that standard to email vote this summer. It addresses an omission in LAS 1.1 regarding waveform data.

Each of the Divisions presented at length (more than usual) their activities. I consider this a good sign, as the more active our divisions become, the more our Society will be recognized as leader and a voice in the geospatial community. I could go on for another ten pages, but I'd prefer you visit the ASPRS website to read up on topics of interest to you.

We didn't have a GIS in Action Meeting this year, instead it was rolled into a technical track at the national meeting. Planning is now underway for the 2009 meeting which will be held at the Vancouver Hilton Hotel on May 19 and 20, 2009. We are currently seeking ASPRS members who are interested in participating on various committees to develop this program. I think that it is time that the Columbia River Region re-engages in the planning and participation of this conference, which is the means by which we fund all of our other activities.

We (and by we, I really mean our Vice President Erik Strandhagen) are in the thick of planning for the Fall Technical Exchange and the annual workshop. Please watch for information about both of these events in this newsletter and in upcoming announcements via email and our website.



"Principia," a Foucault pendulum sculpture in the foyer of the Oregon Convention Center's exhibit hall B, where the ASPRS National conference was held April 29-May 2, 2008.

Report from Oregon State University Student Chapter

by Michelle Kinzel, President

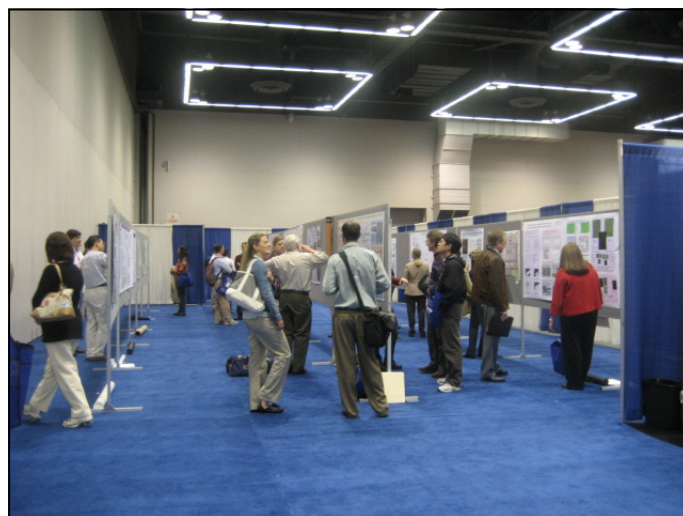
As the year comes to a close, we are saying goodbye to some of our student members as they finish up their degree programs and move on to other endeavors. Willey Thompson (PhD in Geography) and Kyle Hogrefe (MS in Geography) both defended their research and are now officially graduating! New members came in at the end of the year, bringing the OSU student chapter roster up to 26 members. In May, the student members met and voted on new officers and the ASPRS - OSU Chapter is pleased to welcome a new cadre of leaders, scheduled to serve for the 2008-09 school year.

The new officers are:

President: Robert Peckyno
Vice President: Tracy Kugler
Treasurer: Karen Breitlow
Secretary: Meredith Payne

For those students who will be returning in the Fall, there are plans to highlight student research with lunch time talks at monthly meetings, activities that will involve Portland State University and the University of Oregon in a concerted effort to bring Columbia River Region students closer together, and the presentation of professional activities to benefit the students, including publishing tips and workshops geared towards studying for and taking the ASPRS National Certification Exams. In addition, our outgoing president, Michelle Kinzel, will be moving on to the position of National Student Advisory Council Chair. Michelle began her term at the Portland National Meeting, where she joined 25 students in completing volunteer assignments, break out sessions and technical sessions geared towards advancing careers, networking sessions, meetings, a tour of the exhibit hall, and some fun evenings on the town socializing, exploring Portland and getting to know each other. The upcoming year promises to be beneficial to the professional society as well as students, the up and coming leaders in the Geospatial Industry. Future student assistantship programs to enable students to attend professional meetings, webinars on hot career topics and support in various forms are all coming down the pipeline thanks to the efforts of the Student Advisory Council.

As the weather warms up, the club members are gearing up to enjoy summer plans, with plans to regroup in the fall, and enjoy another exciting and productive year here on the OSU campus.



Conference attendees viewing posters in the exhibit hall at the 2008 National ASPRS Conference.

Report from Portland State University Student Chapter

by Jamie Ludwig, President

Portland State University ASPRS student chapter concluded the 2007 – 2008 colloquia series with a presentation by Ralph Kiefer, entitled Photographing Hawaiian Volcanoes with Color Infrared Film. We considered the series to be a great success and are looking forward to all the interesting presentations that will come the 2008 - 2009 series next academic year.

The student chapter held its fourth annual Careers in Geospatial Technologies Panel. Six members of the remote sensing and GIS professional community, including ASPRS National Director Chris Aldridge, provided pertinent information on what students should know when considering a career in the geospatial technologies. We feel confident the well-attended panel presentation left students better informed about what awaits post graduation.

Six PSU student members received scholarships to attend the ASPRS National Conference thanks to the support of the Columbia River Region ASPRS. The student chapter also provided two GIS in Action scholarships for student mem-

(Continued on page 5)

(Continued from page 4)

bers. Portland State University along with Clackamas Community College hosted a booth in the exhibit hall. This was possible thanks to the generosity of Bergman Photographic Services. Several PSU students volunteered at the conference while others moderated technical sessions. This was an exciting opportunity for students to participate and get to know professionals working in their field of interest.



Conference attendees in formation for the aerial flyover (see photo p.1)

OSBEELS RPP Update

Two photogrammetrists were approved to be registered in Oregon at the OSBEELS May Board meeting. The majority of Registered Professional Photogrammetrists in Oregon are not residents of Oregon. For a complete list of Oregon Registered Photogrammetrists, see the OSBEELS Spring 2008 newsletter:

<http://www.osbeels.org/docs/Spring%202008%20Oregon%20Examiner.pdf>



A dragon boat hangs from the ceiling of Exhibit Hall B in the Oregon Convention Center. All photos in this newsletter (except the aerial flyover on p. 1) were contributed by Jackie Olson.



Conference attendees at a booth in the exhibit hall.

Report from University of Oregon Student Chapter

By Megan Lawrence, President

The academic school year has come to an end and the University of Oregon's ASPRS student chapter would like to congratulate three of our members that are graduating this year. Nick Martinelli, Lee Pera and Justyna Goworowska have finished their masters programs in the Department of Geography. Their participation in ASPRS has been very influential in making our student chapter strong. We will miss them immensely and wish them all the best in their new jobs. Nick Martinelli will be employed as a staff member at the InfoGraphics Lab at the University of Oregon and working with Terraseer in Ann Arbor, Michigan on interactive web mapping applications. Lee Pera has accepted a job with the Department of Veterans Affairs and will be working as a Research Analyst in their National Center for Veterans Analysis and Statistics in Washington DC. Justyna Goworowska has accepted a job with the Population Division of the U.S. Census Bureau in Washington, D.C. She's excited about moving back to the East Coast and putting her MA to work.

This coming summer will hopefully bring a few lazy days but many of us will still be working hard on research. The rest of our student chapter will continue to bring the goals and principles of the ASPRS organization into the light.

Next year will be a time of recruitment for us. We are planning a number of gatherings as outreach to new students coming into the university as well as reaching existing students who may not know about our organization.

Calendar

By Jackie Olson

June 16-20, 2008:
URISA Leadership Academy; new from
URISA—a Leadership
Academy for the Geographic Information Sys-
tem (GIS) Practitioner. Two 2-1/2
day courses, tailored to GIS industry leaders
and practitioners: Chicago,
IL
<http://www.urisa.org/ula>

July 6-11, 2008: 2008
IEEE International Geoscience & Remote
Sensing
Symposium: Boston, Massachusetts
<http://www.igarss08.org/default.asp>

July 21-25th, 2008:
GeoWeb 2008; Focusing exclusively on the
convergence of
GIS and the Internet:
Vancouver, Canada
<http://www.geowebconference.org/>

August 4-9, 2008:
GEOBIA, 2008 - Pixels, Objects, Intelligence:
Geographic
Object Based Image Analysis: University of
Calgary, Alberta, Canada
<http://www.ucalgary.ca/GEOBIA>

October 8-11, 2008:
APCG Fairbanks 2008 - Celebrating the Inter-
national
Polar Year 2007-2008,
hosted by University of Alaska Geography Pro-
gram:
Westmark Fairbanks Hotel & Conference Cen-
ter, Fairbanks, Alaska
[http://www.geographyua.org/apcg08/
apcg08.cfm](http://www.geographyua.org/apcg08/apcg08.cfm)

November 17-20, 2008: Pecora 17 Conference
ASPRS is organizing the conference on behalf
of the USGS and NASA in lieu of holding a nor-
mal ASPRS Fall conference in 2008.
With an eye toward the future, the theme of
Pecora 17 is "Future of Land Imaging...going
operational." The conference will offer a pro-
gram on applications of satellite and other re-
motely sensed data to study, monitor, and
manage the Earth's land surface, as well as
technologies to improve satellite data analyses,
quality, access and preservation. Given the
recent release of an Office of Science and
Technology Policy report recommending the
United States maintain a core operational ca-
pability for land imagery through the creation of
a U.S. National Land Imaging Program, a spe-

cial focus of Pecora 17 will be on the challenges of mi-
grating satellite programs from research missions to
operational capabilities.
Denver, Colorado
<http://www.asprs.org/pecora17>

Welcome New CRR Members!

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

Ms. Jennifer Bayer	Underwood
Ms. Amanda Bittinger	Vancouver
Mr. Michael Boeder	Portland
Laurel Brown	Estacada
Mr. Dylan Carmody	Portland
Mr. Michael J. Christy	Vancouver
Catherine Clark	Portland
Mr. Jeffrey Comstock	Portland
Gregory Cowan	Portland
Daniel Coyne	Portland
Andrew Decker	Bend
Shayna Denny	Portland
Mr. William Fellers	Portland
Mr. Chase Gauthier	Bend
Jamie Herbert	Troutdale
Ms. Mischa Hey	Corvallis
Maurice Johns	Athena
Mr. Michael D. Johnson	Corvallis
Mr. Brian Kasper	Portland
Dr. J. Minott Kerr	Portland
Mr. Rico Kmetz-Gonzalez	Portland
Jessica Leonard	Portland
Mr. Eric McNeill	Portland
Mr. Patrick Nelson	Bend
James D. Nichols	Hood River
Mr. Corey Plank	Portland
Sarah Praskievicz	Portland
Ms. Deborah A. Reusser	Seal Rock
Mr. Geoffrey M. Reynolds	Beavercreek
Caroline E. Rouwalk	Portland
Ms. Jacquelyn Schei	Cook
Tanner Scrivens	Bend
Mr. David Shear	Corvallis
Mr. John Sheggeby	Bend
Mr. Jayson L. Steele	Portland
Charles Taylor	Sandy
Mr. Michael Daniel Tripp	Bend
Jeremy S. VanGelder	Vancouver
Mr. Cody Walton	Bend

ASPRS 2008 Annual Conference – A Grand Success!

The ASPRS 2008 Annual Conference was held April 28 – May 2 at the Oregon Convention Center in Portland, Oregon. Nearly 1500 attended the many conference activities.

This year's conference, *Bridging the Horizons: New Frontiers in Geospatial Collaboration*, opened with the Keynote Address given in a panel format by a group of geospatial industry leaders who discussed their opinions of where the industry is heading and what can be done to prepare for the future. The panelists were Peter Becker, product manager of ESRI; Dr. Tina Cary, president of Cary and Associates; Lewis Graham, president and chief technical officer, GeoCue Corporation; Dr. Terrence Keating, senior vice president and CTO, Aero-Metric, Inc. and George Southard, vice president Americas, Digital Imaging, ERDAS. The panel was moderated by industry expert, Mike Renslow, Renslow Mapping Services. An audio recording of this presentation is available at www.asprs.org/portland08. An audience of more than 600 found this panel discussion very timely.

Fourteen workshops, many filled to capacity, were offered on the two days preceding the conference, and covered a wide array of topics including *Professional Airborne Digital Mapping Systems – An Overview; Topics in Orthophoto Production; Thermal Remote Sensing, Becoming a SAR User, Hyperspectral Image Processing and Feature Extraction: Geospatial Information Retrieval*, and *Remote Sensing of Wetlands*, as well as a specially designed workshop for those seeking ASPRS certification.

User group meetings, with record attendance, were also held on Monday and Tuesday sponsored by Applanix, ASD, Inc., BAE Systems, DIMAC, Dudley Thompson Mapping Corporation, ENVI, ERDAS, ESRI, GeoCue, INPHO, Intergraph, Merrick, Microsoft, Optech, and QCoherent.

A General Session opened the conference on Thursday with presentations by Kass Green, ASPRS president, who spoke on *Increasing ASPRS's Impact in a Time of Global Climate Change* and James Plasker, ASPRS executive director, who gave a report on the *State of the Society*. Both of these talks are available on line at www.asprs.org/portland08.

The Student Advisory Council of ASPRS took a very active role in this year's conference for the first time by organizing, and moderating seven sessions directed at students and young professionals. These included such subjects as "Getting a Job," "Successfully Entering the Workforce," "Scholarships and Grants," "Organizing and Constructing a Scientific Paper," "Grammar for Educated Writers of Scientific English," and "The Publication Process – From Submission to Print."

Nearly 300 technical papers covered many diverse topics including Satellite Imagery, Natural Resource Applications, Geospatial Data Accuracy/Error Assessment, Feature-based Registration, Geophysical Applications, Geographic Information Science Licensing Issues, Environmental/Public Health Applications, Photogrammetric Triangulation Models, Vegetation Dynamics, Photogrammetric DEM Extraction, and Invasive Species Mapping were presented.

Over 60 posters on display rounded out the conference theme of *Bridging the Horizons*. To allow vendors the opportunity to present their products and training in a well-defined format, the program committee set up a one-hour segment on Thursday for these presentations. Six concurrent sessions were held with a total of 13 companies, agencies and universities participating. Good responses from their audiences were reported.

A very popular feature at the ASPRS Annual Conference for a third year was the Hot Topics segment. This is an open discussion, one-hour format, for all conference attendees. A poll taken approximately 90 days before the conference of the then registered attendees identified the topics they wished to discuss. The most requested were *The Voyages of the Starship "Enterprise GIS;" Advances in Global Earth Observation: From LandSAT Forward; The Need for K-12 Remote Sensing and GIS Education;*, *Geospatial Professional Guidelines;* and, *Advantages of Simultaneous Aerial LiDAR/Imagery Acquisition*. These sessions were all very well attended.

An Exhibit Hall with 80 plus booths showcased the latest in products and services of suppliers worldwide. Exhibit Hall traffic was brisk during the entire conference. Sales of exhibit space for the 2009 Annual Conference in Baltimore, Maryland, which will mark the 75th Anniversary of ASPRS, were vigorous,

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indicating the success of this year's event.

The ASPRS tradition of honoring members who have contributed greatly to the field and to the Society continued this year with a Memorial Address for John Edward "Jack" Estes. Dr. Estes, a long-time faculty member at the University of California at Santa Barbara, was the Director of the Geography Remote Sensing Unit. His primary research interests revolved around the basic and applied use of remote sensing and geographic information systems for analysis of earth resources. Dr. John Jensen, a former student of Dr. Estes, presented the highlights of his life.

Two student activities that were inaugurated at the 2007 Annual Conference, continued this year. The first, a "Speed Networking" session, was held on the evening prior to the Keynote Session as an opportunity for students and young professionals to meet. Attendees exchanged introductions during a three-minute timed period, then moved on to meet someone else. Many made acquaintances that carried them through the week and may encourage them to keep in touch in the future. The second activity was a guided tour of the Exhibit Hall, hosted by the ASPRS Sustaining Members. Students met the exhibitors face-to-face and were able to ask questions about software, services, and possible job openings.

Numerous awards were made throughout the conference to many deserving recipients including three ASPRS Fellows, student scholarships, and ASPRS Region awards. Several social events rounded out this stellar conference for 2008, including the Columbia River Region Welcome Reception on Tuesday evening, April 29; the Exhibitors' Reception on Wednesday evening, April 30; and, An Evening at the World Forestry Center on Thursday evening, May 1.

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.

Photos available upon request.

Carolyn Merry Elected as ASPRS Vice President Graham, Hillyer and Knight Elected as Assistant Division Directors

The results of the 2008 election have been tallied by the Tellers Committee and they reported that Carolyn Merry, a professor and chair of the Department of Civil and Environmental Engineering and Geodetic Science at The Ohio State University (OSU), won the election to become ASPRS Vice President for 2008. Once she is sworn in as President in 2010, Merry will be the eighth woman (five in the last six years) to hold that office since the Society was founded in 1934. With the installation of officers at the ASPRS Annual Conference in April, Kass Green moves into the position of President; Bradley Doorn becomes President-elect, and Marguerite Madden becomes Past President.

Lewis Graham was elected as Assistant Division Director of the Photogrammetric Applications Division. Graham joined Intergraph in 1985 holding many posts and in 1998 orchestrated the joint venture company of Intergraph and Carl Zeiss, forming Z/I Imaging Corporation. In 2003, Graham founded GeoCue Corporation, a company focused on developing workflow technology for geospatial production processes that has pioneered "LIDARgrammetry," a technique for direct stereo exploitation in LiDAR data. He joined ASPRS in the mid 1990s and has been a key contributor to the LiDAR Subcommittee in the area of data standards.

Anne Hillyer was elected as Assistant Division Director of the Professional Practice Division. Hillyer is a cartographer in Geospatial Services at Bonneville Power Administration (BPA), a federal electrical utility serving the Pacific Northwest. She researched, tested and implemented the first digital photogrammetry production system at BPA. Hillyer began her career in geosciences with the U.S. Forest Service as a field botanist using aerial photography to locate sample plots. She is an ASPRS Certified Photogrammetrist.

Joseph Knight was elected as Assistant Division Director of the Remote Sensing Applications Division. Knight is an Assistant Professor of Remote Sensing in the Department of Forest Resources at the University of Minnesota Twin Cities. He was previously with the U.S. Environmental Protection Agency Landscape Char-

(Continued from page 8)

acterization Branch in Research Triangle Park, North Carolina. Knight's current research interests include land cover mapping and change detection using MODIS images, wetlands mapping and marine water quality assessment.

An ASPRS member since 1975, Merry has served the Society as Chair of the Publications Committee, Membership Chair for the Eastern Great Lakes Region, and Technical Program Co-Chair for the 2007 ASPRS/CRSS Fall Technical Conference.

Currently, in addition to her faculty and chair responsibilities at OSU, Merry serves as the Director of the Center for Mapping. She was a co-Principal Investigator for the National Consortium on Remote Sensing in Transportation – NCRST – that was funded by the U.S. Department of Transportation. She is involved with the follow-on consortium CRESTA – Center for the Remote Sensing of Traffic Activities – with researchers from OSU, University of Arizona and Michigan Tech Research Institute. During a sabbatical to the NASA Goddard Space Flight Center in 1977-78, she worked on educational outreach for the Landsat-7 satellite.

Previous to OSU, Merry was a Research Physical Scientist at the U.S. Army Cold Regions Research and Engineering Laboratory in Hanover, New Hampshire. Her scientific service includes authorship of several chapters of books, service on proposal review panels for the National Science Foundation, and service on fellowship review panels for the U.S. Environmental Protection Agency. She is currently on the Advisory Board for the U.A. Whitaker School of Engineering at Florida Gulf Coast University and the Advisory Board for Women in Transportation – Columbus Chapter.

She received her BS in Geology from Edinboro University, a MA in Geology from Dartmouth College, and a PhD in Civil Engineering from the University of Maryland.

Merry feels that as an ASPRS officer "It is critical that we educate our next generation in the existing and new analysis tools and the knowledge of available remote sensing data sets and geospatial technologies. This is to ensure that we provide the continuity in the workforce for the future of the geospatial communities. We need to provide leaders for ASPRS and the remote sensing field, whether it is in the government, the private sector, or the university community. My earlier involvement with the government and my research on the engineering side of remote sensing has provided this interaction with the industry. I will work towards integrating the needs of the university, the government sector and private industry in maintaining a constant supply of educated geospatial professionals."

ASPRS Standards Committee Calls for Participation in ISO Technical Specifications for Sensor Models

The ASPRS Standards Committee invites ASPRS members to participate in and contribute to the development of a major ISO Technical Specification for Sensor models.

The technical specification under development (known as Technical Specification 19130) is an US contribution to **ISO TC211** and will provide a sensor description and the associated physical and geometric information necessary to rigorously construct a Physical Sensor Model. Where precise geoposition information is needed, this Technical Specification will identify the mathematical formulae for rigorously constructing Physical Sensor Models that relate two-dimensional image space (pixel line/sample) to three-dimensional ground space (X, Y, Z or longitude, latitude and elevation) and support the rigorous calculation of propagated errors associated with the ground space locations. This Technical Specification addresses detailed information for three types of passive electro-optical/infrared (IR) sensors - frame, pushbroom and whiskbroom - and for an active microwave sensing system: Synthetic Aperture Radar (SAR). It provides a framework by which these sensor models can be extended to other sensor types. Future work will include LiDAR and Sonar. **TS 19130** is scheduled to be completed Spring 2009.

Please contact Gary Higgs at higgsqb@SLU.EDU or Rick Pearsall, ASPRS Standards Committee Chair, at richard.a.pearsall@nga.mil if interested in participating or learning more about this activity.

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