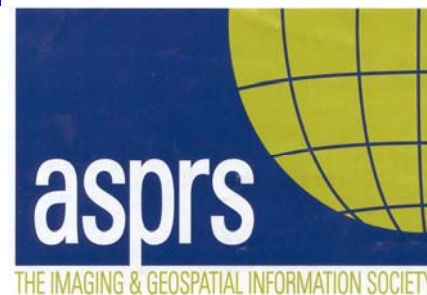

Wavelengths

Columbia River Region



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

Volume 2007:2 — June 2007

President's Letter By Steve Duncan

While in Tampa at the ASPRS 2007 National conference in May I was reminded of how fast our various fields are advancing and expanding. We can acquire imagery of anywhere in the world with amazing speed, accuracy and resolution. We can extract and manipulate massive amounts of complex data. Our various fields of interest continue to become populated by talented, creative and motivated professionals. These are exciting times. As members of this Professional and Academic Society, we would be well advised to challenge ASPRS, and particularly our Columbia River Region to continue providing forums and resources where we can learn and share the rapidly expanding innovative developments as they emerge.

We currently have a core of organizers and leaders who, for years, have tirelessly produced and facilitated programs, seminars and workshops in an effort to keep us all abreast of the latest technologies and their applications. They also continue to maintain and develop professional relationships with commercial and academic Society members nationally. We are well served by the efforts of these dedicated members who are willing to share their knowledge, talents and resources. However, as time passes the complexion of our organization changes. We must seek new minds, new ideas, and new direction in order to continue growing and evolving. As technicians, managers, company presidents or students, collectively we all have valuable talents and experiences essential for our sustained development as a Society and as competitive professionals. I call on you to assist our core of leaders by sharing your resources for the benefit of us all.

We have several major events scheduled

over the next year that will require the involvement of a broad spectrum of our membership. These events include the Technical Exchange, National Workshop, and of course the National ASPRS Convention. We are going to be busy, but the more "We" there are, the less each "We" will have to do. Those currently organizing and facilitating the upcoming events are looking for input and assistance at whatever level one is comfortable offering. Here is an opportunity to contribute to your professional community, network with your motivated peers and learn from your involvement. Making our events and programs excel will promote education, expand our horizons and benefit us all. A diverse collection of motivated professionals is essential. Access into our humble group of volunteers is simple. Email or phone an active member or Board member listed on page 10 of this newsletter.

I am proud and humbled to be associated with such a talented professional organization. As a member of the regional board, I have come to more deeply appreciate the selfless contributions of our board members and volunteers. We all benefit from their energy, talent and dedication.



ASPRS Region of the Year Banner and CRR Board Members, l to r: Steve Lennartz, Ralph Kiefer, Anne Hillyer, Steve Duncan, Chris Aldridge and Brian Miyake.

National Director's Report

By Chris Aldridge, National Director

Congratulations Columbia River Region for being awarded the Region of the Year and the Newsletter of the Year! I want to extend a personal thank you and congratulations to Jim Meacham, Steve Duncan, 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 2007. Let's go after 2008!

We now find ourselves in what is traditionally the busiest period of the year for the CRR. Spring typically brings the Local GIS in Action (GIA) conference and the ASPRS Annual meeting, as well as the planning stages of the events that we sponsor through the remainder of the year.

This year's GIA was held at the Vancouver Hilton. The conference was once again well attended and boasted a robust program with a heavy remote sensing flavor. New imagery technology, LiDAR data reduction tools, and the traditional GIS producers dominated the Exhibit space. This is our Marquee event that we jointly sponsor with the Oregon and Southwest Washington Chapter of URISA. The revenues from this meeting are what enable us to help fund our three student chapters, present our Technical Exchange with the Puget Sound Region, and host an annual national level workshop. It was somewhat disheartening to see the lack of participation in the meeting both in attendance and more actively as part of the conference organizing committee. I would urge all of our region members to consider getting more deeply involved with this event. You can email me or any active board member to request information about how you can help.

We (and by we, I really mean our Vice President Steve Lennartz) 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.

The executive committee recently approved two bylaw changes for our region. The first is the (official) establishment of the Student Chapter Liaison Committee. The chair of this committee is a voting member of the Executive Committee, and is joined by at least two other region members who will review the student chapter

budget requests and provide for open and clear communications with the Student Chapters. The second bylaw change is the establishment of a Media Committee to centralize the region's information distribution under a single group. This committee will have the responsibility of overseeing the publication of the newsletter and the maintenance of the region's website. Both of these will



Current and former Newsletter editors, (l to r) Ralph Kiefer, Anne Hillyer (holding Newsletter of the Year Award) and Jackie Olson.

be critical this year, with the annual meeting coming up in Portland in 2008.

The annual meeting planning for 2008 is now fully underway and will become more consuming the closer we get to the conference date. Roger Crystal is chairing this event and once again, I urge all of the region members to consider helping with this event. Please contact Roger or myself and we can point you at an area that you are interested in or where we need help.

The 2007 conference was held in Tampa, and I'm pleased to say that the Columbia River Region was well represented. The majority of our Executive Committee and the 2008 Conference Committee met with their counterparts from the Tampa conference and we were able to learn from the lessons of this conference. Attendance for the Tampa conference was listed at or near 1300, which is a respectable number.

Perhaps the highlight of the conference (for me) was the awards ceremony where the Columbia River Region was presented with the Region of the Year Award and the Newsletter of the Year award. These are truly great honors and long overdue for our region. Again, congratulations to the entire region and a personal thank you to those individuals of the Executive Committee who worked very hard to make us the best. I also

(Continued on page 3)

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want to extend personal congratulations to Brian Miyake for winning the Ford Bartlett Award for the second year running.

The rest of the conference wasn't bad. Actually, it was very good. The general session was enjoyable and informative with two very different approaches to the expansion of geospatial information via the internet presented by Google Earth and Microsoft Virtual Earth. The technical presentations were well attended and seemed to generate more discussion than I remember in the past few years. This is a clear indication that the content of the program is both interesting and timely. Committee meetings were also well attended, and it seems that forward progress is being made on a number of fronts, particularly by our own Doug Smith and the Professional Practice Division in the development of photogrammetry procurement guidelines.

Membership continues to be a major issue for the Society, but this year we seem to have stopped the exodus and begun to reverse the trend. Our overall membership was actually up several percent this year. There is a definite trend towards looking to the student population for membership, as well as attempting to attract members from the GIS sector.

Overall, Tampa was a productive meeting, particularly for the CRR attendees who are planning the Portland meeting for 2008. My summary of the Board of Directors meeting follows.

The Directors Meeting in Summary.

Our organization remains financially healthy. The society executive director, Jim Plasker, presented a rosy picture of the financial accounting for 2006 year end and another promising picture for 2007. In all cases the society remains on a firm financial footing. There have been no surprises so far in 2007. We are proceeding according to the budget approved at the Fall meeting in San Antonio. HQ has not spent any significant amounts on infrastructure, equipment, or new staffing, which all remain in good condition. The building itself remains in good condition, and hence a valuable asset.

The ASPRS Foundation, which is a separate financial entity with the express purpose of overseeing and managing the financial support of our annual awards, reported that several of the awards are now very near full endowment (The Robert N Colwell Memorial Fellowship was fully endowed in one short year). The Foundation con-

tinues to strive for full endowment for all of our awards. At this time, any contribution to the foundation will be matched by HQ, thus doubling your contribution.

The Publications Committee presented the current status of publications in process and in production. The *DEM Manual, Second Edition* was recently released and has currently sold over 200 copies and *The ASPRS Manual of Photogrammetry, 5th Edition* has had its cost reduced to try and sell off the current inventory. The *ASPRS Manual of GIS* is scheduled for release in time for our meeting here in Portland, 2008.

Our society continues to be instrumental in the effort to maintain a Land Imaging System for the nation to replace the aging LandSAT program. This has been a major effort on the part of ASPRS, particularly by Kass Green and Russ Congalton. ASPRS has been asked for and has made a number of recommendations to the White House and to Congress regarding this issue.

Our efforts to assist in the development of a national licensing examination for photogrammetrists are nearing fruition. The current examination went through it's "cut score evaluation" in Tampa, and it is anticipated that the exam will be ready for October 2007.

Plans are already being made for the 75th anniversary meeting in Baltimore, in 2009. This promises to be a gala event.

2008 ASPRS National Conference Committee Members

The 2008 National Conference will be held in Portland, Oregon. Below is a list of current committee members.

- Conference Chair: Roger Crystal
 - Conference Co-Chair: Chris Aldridge
 - Keynote Speaker Chair: Chris Aldridge
 - General Session Chair: Chris Aldridge
 - ASPRS Nat'l Exec. Director: Jim Plasker
 - ASPRS Nat'l Assoc. Exec. Director: Kim Tilley
 - ASPRS Nat'l Meetings Manager: Anna Marie Kinerney
 - ASRPS Nat'l Workshop Coordinator: Russ Congalton
 - Technical Program Chair : Nancy Tubbs
 - Technical Program Member : Geoffrey Duh
 - Technical Program Member : Michael Wing
 - Student Volunteer Coordinator: Anne Hillyer
 - Poster Session Coordinator: Jackie Olson
 - User Group Coordinator: Brett Hazell
-

Report from PSU Student Chapter

by Jamie Ludwig, President

The Portland State University ASPRS Student Chapter wrapped up a busy year hosting nine guest speakers for our 2006 - 2007 annual colloquium. We would like to extend our thanks to Dawn Wright, Oregon State University; Lisa Zurk, Portland State University; Jim Meacham, University of Oregon; Matt Stevenson, CORE GIS; Robert McMaster, University of Minnesota; Amy Lobben, University of Oregon; Robert E. Kennedy, Laboratory for Applications in Remote Sensing in Ecology (LARSE); Demetrios Gatzolis, USDA Forest Service and Judy Olsen, Michigan State University. Planning is already underway for next year's series. Suggestions for speakers are welcome and should be sent to Beth Goralski, Vice-President (goralski@pdx.edu), who is organizing the 2007 - 2008 series.

The PSU Student Chapter members went on a field trip this past winter to the Cascade Volcano Observatory (CVO). Steve Schilling, with the USGS, provided a fantastic presentation on current remote sensing techniques used to monitor volcanic activity on Mt. St. Helens. The presentation was followed by a tour of the CVO facility.

Several PSU ASPRS student members received a scholarship from the PSU Student Chapter to attend the GIS in Action Conference held this past April. The PSU Chapter shared a booth at the conference with Clackamas Community College. Steph Gaspers received the PSU ASPRS Student Chapter GIS/Remote Sensing Data/Software Acquisition Scholarship.

Thanks are given to the outgoing officers Tyler Vick and Wayne Coffey and faculty advisor Joe Poracsky for their hard work in making this a very successful year for the Chapter. New officers for the coming year are Jamie Ludwig, President; Beth Goralski, Vice President; Dan Coe, Secretary; and Dan Craver, Treasurer. The Faculty Advisor David Banis, PSU Geography Lab Director. For further information about the Student Chapter, visit the web site at

www.psuasprs.groups.pdx.edu/ .

National ASPRS Student Sites:

Newsletter:

http://www.asprs.org/student_news/index.html

Student Network Yahoo Group:

http://groups.yahoo.com/group/asprs_students/

Report from OSU Student Chapter

By Michelle Kinzel, President

The OSU ASPRS student chapter has had a busy year, and experienced tremendous club growth. We held monthly meetings, BBQs, and a guest lecture on Remote Sensing and Snowmelt Modeling by Dr. Anne Nolin of the Geosciences Department, highlighting her research on glacier changes.

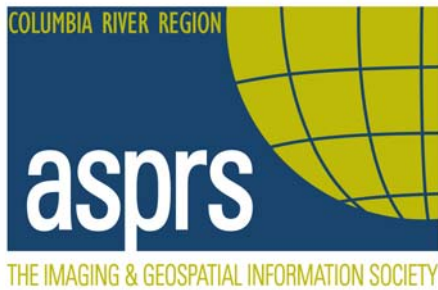
The club's officers, Michelle Kinzel (President) Sam Thomas (Vice President) and Karen Brietlow (Treasurer/Secretary) have begun plans for next year's activities, to include recruiting, geocaching, guest speakers, paper sessions, and attending the ASPRS National Conference in April. Plans are underway to design and order club shirts with a unique ASPRS-OSU logo. The Club's web designer, Robert Denner, created a webpage to keep members updated and informed about club happenings <http://oregonstate.edu/~denner/asprs/> .

The faculty advisor, Michael Wing has been working with the officers on club activities, focus and direction. Next year promises to be exciting and full of fun and professional growth activities.

Report from U of O Student Chapter

By Jacob Blair, President

Members of UOASPRS have had an extremely busy spring. All except one member presented original or proposed research projects at the Association of American Geographers annual meeting in April. The support of the chapter was integral in the ability of these students to attend. UOASPRS is already strategizing for participation in the ASPRS meeting in Portland next year. Two of our six members also completed their master's degree requirements this year, and are looking to join the professional world in this region before too long. Our chapter is proud to have two graduates this spring, but it does signal to us that our small membership is still problematic. Luckily, one of our members will be assuming the role of Undergraduate Advisor for the Department of Geography; we hope to have more success in the future for attracting undergraduate members into our fold. Finally, we had spring elections. New president Megan Lawrence; new vice-president Nick Martinelli; new Secretary-Treasurer Leslie McLees.



COLUMBIA RIVER & PUGET SOUND REGIONS JOINT TECHNICAL EXCHANGE MEETING ANNOUNCEMENT

Date: Friday, September 21st, 2007
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) 696-8478

Registration / Abstract Deadline: September 14th, 2007

Registration Fee: **Members** \$25 **Non-members** \$35
Includes box lunch and copy of abstracts
ASPRS Student Member: Free Lunch \$ 10 = \$10.00
Non-member Students* \$10 Lunch \$10 = \$20.00
(Includes copy of abstracts)
**Fee refunded if students register for ASPRS membership at session.*

WHAT: Technical Presentations by Professionals, Educators and Researchers.

The Puget Sound and Columbia River Regions of ASPRS are hosting their 11th Annual Joint Information Exchange **September 21st**. This event is an informal opportunity for people who are interested in the topics of 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 15-25 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. Speaker slots will be limited due to the single-day schedule, so get your requests in early to insure your slot.

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

Anyone interested in learning more about photogrammetry, remote sensing and related fields or who wish to share information about interesting or unusual projects in these areas are welcome. We also encourage presentations on the increasing integration of these technologies with GIS applications. So please, extend this invitation to your colleagues who work in the areas of photogrammetry and remote sensing. No commercial presentations or endorsements are allowed.

For More Information or to Register:

Contact: Steve Lennartz, slennartz@sanborn.com, 503-228-8708
(Announcements and registration forms will be emailed to members at a later date.)

New ASPRS Provisional Certification Program for Students

ASPRS Provisional Certification in Photogrammetry, Remote Sensing and GIS/LIS is now available to graduating college seniors who meet the basic requirements.

An applicant seeking Provisional Certification must be an active student preparing to graduate with educational training in the spatial sciences from an approved institution of higher education, and must follow the Basic Requirements as outlined in the *Certification and Recertification Guidelines*. Applicants must submit the appropriate Application and Fee with one (1) reference from their academic advisor or relevant faculty member. An Official Copy of the applicant's current transcript must accompany the application; the transcript must validate that the applicant has successfully completed a minimum of three (3) courses in the spatial sciences (photogrammetry, remote sensing, or GIS/LIS). Typically, a four year degree program qualifies applicants for a Technologist Certification, and an advanced degree program qualifies applicants for a professional certification. The application requires a declaration of compliance with the ASPRS Code of Ethics.

Applications, fees, and the reference will be submitted to ASPRS Headquarters for consideration by the appropriate peer review committee. Applicants will be notified following peer review, and individuals passing peer review will be given the opportunity to take the appropriate examination within six (6) months following their notification date. Examinations will be administered in a proctor-controlled environment.

Upon successful examination completion, the individual will receive Provisional Certification (ASPRS) status. In the case of Certified Photogrammetrist or Certified Mapping Scientist, the individual will have ten (10) years from the date of examination to complete the six (6) year experience requirement. In the case of Certified Technologist, the individual will have five (5) years to complete the three (3) year experience requirement. Exceptions to the length of time for completion of the experience requirement will only be granted for active duty military service.

When the Work Experience requirement is complete, the Applicant must provide written documentation and three (3) references to ASPRS Headquarters, who will forward the experience summary and references to the Evaluation for Certification Committee. Applicants meeting all of these requirements will become certified for the specified time period of their certification.

Details can be found in the Certification and Recertification Guidelines:

http://www.asprs.org/membership/certification/certification_guidelines.html

ASPRS Call for Experts

The ASPRS is seeking to appoint experts to national and international standards work groups and commissions. The attached summaries (See "Attachments" Tab) of emerging standards are intended to be circulated to interested ASPRS members. Any ASPRS member who wishes to be appointed to a work group, review or commission involving any of these announcements should contact Dr. Gary Higgs, higgsgb@slu.edu as soon as possible and indicate which standard and any particular special interest.

Proposal for a Project to Assume US Spatial Responsibility for SQL/MM Part 3: Spatial

The proposer is the International Committee for Information Technology Standards on Database Languages (INCITS H2). The proposal is to shift the responsibility for the spatial content of US contributions to ISO/IEC JTC 1/SC 32/WG 4 from H2 (Database Languages) to L1 (Geospatial Information Systems), where US spatial experts reside. H2 will retain responsibility for SQL compliance in accordance with ISO/IEC 9075. Rules of engagement which clearly articulate respective roles and responsibilities of each of the two INCITS Committees need to be agreed by both committees.

Geospatial Call for Coordinate Specification vol. 4

This International Standard specifies a variable-length format for the representation of longitude, latitude, altitude, date, local time, and coordinated universal time (UTC), Coordinate Reference System (CRS) Profile, and Source Accuracy Profile for use in data interchange. The representation of altitude, date, local time, UTC, CRS and source accuracy are optional and its presence or absence is implicit in the format.

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Federal Geographic Data Committee (FGDC) US National Grid (INCITS 61) Standard Proposal

The objective of this standard is to create a more favorable environment for developing location-based services within the United States and to increase the interoperability of location services appliances with printed map products by establishing a nationally consistent grid reference system as the preferred grid for National Spatial Data Infrastructure applications.

INCITS-LI-09 Feature Identifier Proposal

The United States Department of the Interior, U.S. Geological Survey and United States Department of Commerce, Bureau of the Census are proposing a revision of the ANSI standard on Minimum Geographic Feature Identifying Attributes.

2007 ESRI AWARD WINNERS ANNOUNCED BY ASPRS

The ASPRS Journal Review Committee announced the winners of this year's ESRI Award for Best Scientific Paper in GIS. The First Place winners are Suzanne P. Wechsler and Charles N. Kroll, "Quantifying DEM Uncertainty and Its Effect on Topographic Parameters," *PE&RS*, 72 (9), 1081-1090. The Second Place goes to Jeremy Mennis (M.S. Portland State University, 1997), "Socioeconomic-Vegetation Relationships in Urban, Residential Land: The Case of Denver, Colorado," *PE&RS*, 72 (8), 911-921. Third Place was awarded to Kurt H. Riitters, James D. Wickham, and Timothy G. Wade, "Evaluating Ecoregions for Sampling and Mapping Land-cover Patterns," *PE&RS*, 72 (7), 781-797.

Presentation of the awards will take place in May during the ASPRS 2007 Annual Conference in Tampa, Florida. This Award is presented by the American Society for Photogrammetry and Remote Sensing (ASPRS) through the ASPRS Foundation, with funding provided by a grant from ESRI. The purpose of the Award is to encourage and commend those who publish papers of scientific merit in the advancement of knowledge about Geographic Information Systems (GIS). The First Place winners are awarded a certificate and \$500; Second Place winners receive a certificate and \$300 and Third Place winners are given a certificate and \$200.

Factors considered by the Committee in making its selection are the scientific contributions that the paper makes toward the advancement of knowledge about Geographic Information Systems. The Award is made to individuals whose article was published in the ASPRS journal, *PE&RS*, during the calendar year preceding the year of the Award presentation. The recipients of the Award are elected by secret ballot of the Committee, with a simple majority determining the result.

GEOEYE AWARD WINNERS FOR 2007

The 2007 GeoEye Award recipients are Govinda Basnet, Department of Anthropology, University of Georgia, Athens; Tim De Chant, Department of Environmental Science, Policy and Management, University of California, Berkeley; and James Kellner, Department of Plant Biology, University of Georgia, Athens. The award will be given to the recipients in May at the ASPRS 2007 Annual Conference in Tampa, Florida

This annual award is presented by the ASPRS Foundation and consists of a grant of satellite imagery data up to 100 square kilometers (a potential value of over \$5,000), and a certificate inscribed with the recipient's name and his/her institution. Funding for this award is provided by GeoEye. The purpose of the award is to support remote sensing education and stimulate the development of applications of high-resolution digital satellite remote sensing data through the granting of GeoEye imagery for applied research by undergraduate or graduate students.

Following the theme of studies on reciprocal interaction of institutional arrangements and environmental outcomes, Basnet conducted a two-year dissertation field research titled "The Struggle for Water Rights in Contested Commons: Changing Institutional Landscape in Upper Mustang, Nepal." His research project aimed at investigating the dynamics of the struggle for water rights in irrigation systems and the resulting modification of the institutional and environmental landscape. This research employed both comparative and historical approaches integrating qualitative, quantitative and spatial methods. With the use of spatial analysis methods, his study aims to further investigate how different water rights systems influence local land

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management decisions, by integrating field-collected spatial and qualitative information with high resolution satellite imagery provided by the ASPRS GeoEye Award.

The title of De Chant's study is "Scaling from Trees to Landscapes: Using High-spatial Resolution Satellite Imagery to Assess the Impacts of Disturbance on Oak Physiology." He plans to use the imagery obtained from the ASPRS GeoEye Award to complete the following objectives:

1. assess the accuracy of Ikonos imagery in the identification of natural forest gaps and urban edges;
2. assess the utility of Ikonos imagery in object-based image analysis (OBIA) of forest canopy gaps; and
3. uniquely identify and track changes in forest gaps through time using Ikonos imagery and historical aerial photographs and link those changes to the physiological responses of neighboring trees.

Kellner's project title is "Short Term Population Dynamics for a Rain Forest Canopy Tree Using Time Series Satellite Remote Sensing." His proposal aims to test the capacity of current-generation satellite remote sensing for characterizing population growth and survival of rain forest canopy trees. It adds Ikonos to multi temporal QuickBird data and an innovative application of 'capture-mark-recapture' modeling to estimate demographic rates. The development of this capacity has wide-reaching applications in basic ecological research, conservation and management.

Any student at the undergraduate or graduate level who is enrolled full-time at an accredited United States or Canadian college or university with image processing facilities appropriate for conducting the proposed work may submit a proposal for this award. Applicants must be members of ASPRS. GeoEye is the world's largest operator of commercial imaging satellites. For more information, visit www.geoeye.com

George Y. G. Lee, PhD Receives 2007 Fairchild Award

The 2007 Photogrammetric Award (Fairchild) is awarded to Dr. George Y. G. Lee, who has an extremely broad knowledge of current geospatial technologies, digital sensor systems, and methods for acquiring all types of geospatial data; experience in systems and techniques development; development of data standards and quality assurance programs; the application of remote sensing and geographic information systems; and development of calibration, validation, and verification procedures for sensor systems.

The Photogrammetric Award (Fairchild) was established in 1943 to stimulate the development of the art of aerial photogrammetry in the United States. This award was originally sponsored by the Loral Fairchild Corporation and is now supported by Lockheed Martin. The award will be presented during the ASPRS 2007 Annual Conference in Tampa, Florida May 7-11. It includes an engraved plaque.

Lee received his BS (Mathematics and Statistics), MS (Photogrammetry and Surveying), and PhD (Photogrammetry) from the University of California, Berkeley in 1972, 1973, and 1994 respectively. He started his career at the USGS in 1972 conducting, among other things, QC on products from the original orthophotoscopes. Over the course of his 32 plus years, Lee managed research groups conducting investigation and development activities in modern geospatial technologies, digital photogrammetry, digital sensor systems, digital orthophoto products and procedures, image processing techniques, database methods, GIS applications, and standards development.

For the last 11 years Lee has managed the USGS orthophoto programs. He is considered the founder of the USGS Digital Ortho Program and managed the program that resulted in the acquisition of nationwide coverage of 1 m orthoimagery for the conterminous United States. He has also been a key participant in the National Digital Ortho Program (NDOP), a multi-agency consortium that plans for the acquisition of nationwide orthoimagery. In the course of this activity he established Federal Architect and Engineering contracts to produce digital orthophoto products and services for the National Mapping Program. He was the USGS technical lead on a cooperative research project with Microsoft's Research Group Corporation that resulted in the TerraServer technology to serve imagery data over the Internet.

Most recently, Lee has been an instrumental force in the development of remote sensing instrument and product validation and certification standards for the USGS, the nation and potentially the world. Further, his contributions to development of standards of practice for evaluating and certifying remote sensing imagery products will contribute extensively to satisfying the photogrammetric requirements of Government agencies and programs.

Lee is a Certified Photogrammetrist (ASPRS). He also was awarded both the Department of the Interior's Superior Service and Meritorious Service Awards.

MICHAEL FALKWOSKI RECEIVES 2007 COLWELL FELLOWSHIP

The Robert N. Colwell Memorial Fellowship for 2007 has been awarded to Michael Falkowski. He is a doctoral candidate in the College of Natural Resources, with specializations in remote sensing and forestry at the University of Idaho in Moscow, Idaho.

This Award is presented by the American Society for Photogrammetry and Remote Sensing (ASPRS) through the ASPRS Foundation from funds donated by students, associates, colleagues and/or friends of Robert N. Colwell. The Award consists of a check in the amount of \$4,000, a certificate, and a one-year student or associate membership in ASPRS.

The purpose of the Award is to encourage and commend college/university graduate students or post-doctoral researchers who display exceptional interest, desire, ability, and aptitude in the field of remote sensing or other related geospatial information technologies, and who have a special interest in developing practical uses of these technologies. The Award is made to a graduate student (master's or PhD level) currently enrolled or intending to enroll in a college or university in the United States or Canada, or a recently graduated post-doctoral researcher, who is pursuing a program of study aimed at starting a professional career where expertise is required in remote sensing or other related geospatial information technologies.

Falkowski received his undergraduate degree in Geography from the University of Wisconsin-Stevens Point. Following graduation, he spent several years as a GIS technician/specialist for governmental agencies in Wisconsin. Falkowski's master's research focused on the use of ASTER satellite imagery and gradient modeling for mapping and characterizing wildland fire fuels; he received his degree in December 2004.

His PhD research uses data from LiDAR and high-resolution hyperspectral/multispectral airborne sensors to improve the accuracy of remote estimates of individual tree parameters (such as height, crown diameter and stem diameter), to facilitate the extrapolation of fine-scale forest measurements to broader scales, and to provide a means of accurately quantifying non-timber biomass (such as shrubs and woody debris) in forest ecosystems. This research also involves the use of novel data processing techniques (such as data fusion and 2-dimensional wavelet analysis) and innovative statistical prediction and imputation strategies (e.g. mixed-effects models and classification and regression trees). The ultimate goal of this research is to provide land managers with practical methods of monitoring and predicting future carbon stocks; necessary information for understanding the global carbon cycle.

Falkowski has an exceptional record of scholarship, possesses an impressive list of published and pending papers and presentations, received a number of academic honors and awards, and is a member of several professional and scientific societies, including ASPRS.

Welcome New CRR Members!

Jeremy Adams	Eugene
Karen A. Breitlow	Corvallis
Theresa Desaulniers	Corvallis
Laura C. Lippai	Vancouver
Stephen Ndzeidze	Corvallis Lake
Janet H. Sanborn	Oswego
Wiley Thompson	Corvallis
YunSuk Tim	Salem
Brian H. Wilson	Corvallis

New Oregon Licensed Photogrammetrists

The following individuals were approved for license by the OSBEELS Board in May:

Qassim Abdullah
Reida Elwannas
David Kreighbaum
Dennis Morgan
Terri Reaves
Keith Short
Scott Smith
Steve Duncan
Harold Rempel

CALENDAR

June 16-19, 2007: ESRI Survey & Engineering GIS Summit
San Diego, California
<http://www.esri.com/events/survey/index.html>

June 18–22, 2007: ESRI Int'l User Conference
GIS: The Geographic Approach
San Diego, California
<http://www.esri.com/events/uc/index.html>

Summer, 2007: Geological Society of the Oregon Country, Field trips, local.
<http://www.gsoc.org/fieldsched.html>

August 20-23, 2007: URISA's 2007 Annual Conference and Exhibition
Washington, DC
http://www.urisa.org/conferences_workshps

Sept. 27-Oct. 2: 2007 AACSM/NSPS Fall Meeting
Arlington, Virginia
<http://www.acsm.net/conference.html>

Sept. 10-14: NW GIS User Conference
Tacoma, WA
http://www.nwesriusers.org/2007%20conference/2007_conference.htm

Oct. 10-13: North American Cartographic Information Society Annual Meeting
St. Louis, MO
<http://www.nacis.org/index.cfm?x=2>

Oct. 17-20, 2007: 2007 APCG Annual Meeting, hosted by CSU-Long Beach
Long Beach, CA
<http://www.csulb.edu/depts/geography/apcg>

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