

# Award Recipients



Dr. Marvin Bauer received the SAIC Estes Memorial Teaching Award from ASPRS President Kari Craun.



(l-r) Yuyu Zhou accepted the BAE Systems Award from BAE's Dr. Stewart Walker.



(r-l) Dr. David DiBiase accepted the Boeing Award for Best Paper in Image Analysis and Interpretation from Don Vance for award winners Ahiqvist and Gahegan.

## SAIC Estes Memorial Teaching Award

**Dr. Marvin Bauer** is a highly regarded Professor of Remote Sensing at the University of Minnesota and very much in the forefront of precision agriculture as well as the use of remote sensing for forestry applications. He is the Director of the Environmental Resources Spatial Analysis Center (ERSAC) which links the capabilities and resources of five colleges and nine departments for doing remote sensing, spatial analysis and modeling. Since 1980 he has been the Editor of the journal *Remote Sensing of the Environment*. Prior to joining the faculty at the University of Minnesota, Dr. Bauer was a Research Agronomist and Program Leader at the Laboratory for Applications of Remote Sensing (LARS) at Purdue University from 1970 to 1983. He played a key role in the definition of effective techniques for analysis of remotely sensed data for agricultural applications. He was a primary lead scientist in the "Corn Blight Watch" in the 70's and also in the Large Area Crop Inventory Experiment (LACIE), one of the key projects in the early years of remote sensing documenting the potentials for effective use of satellite remote sensor data.

He served on the ASPRS Awards Policy Committee from 1988 to 1995 (Chair, 1993-1995) and earlier in various leadership capacities of the Plant Sciences Section/Applications Division from 1976-1978. In 1995, he received the Alan Gordon Memorial Award for his achievements in remote sensing. In 1996, Dr. Bauer was awarded the Distinguished Public Service Medal by NASA recognizing his outstanding scientific contributions over the previous 25 years to NASA's terrestrial remote sensing programs. From 1999 to 2003, he was the Principal Investigator for NASA's Upper Great Lakes Regional Earth Sciences Applications Center.

In 2006, the Minnesota GIS/LIS Consortium awarded Dr. Bauer a Lifetime Achievement Award based on his extensive work as a teacher, researcher and model citizen. In particular, they cited the results of his land cover classification and water quality monitoring projects which are available in web-based mapping applications at <http://land.umn.edu> and <http://water.umn.edu>. The "LakeBrowser" enables users to search for water quality information on lakes across Minnesota and has over 20,000 visits a month.

The SAIC Estes Memorial Teaching Award was inaugurated in 2003 and is named in honor of Professor John E. ("Jack") Estes, teacher, mentor, scientist, and friend of the American Society for Photogrammetry and Remote Sensing.

**Purpose:** This award is designed to recognize individual achievement in the promotion of remote sensing and GIS technology, and applications through educational efforts. Award recipients are chosen based on documented excellence in education, teaching, mentoring and, training.

**Donor:** Science Applications International Corporation (SAIC) through the ASPRS Foundation and consists of a presentation plaque and a cash award of \$2,000.

## Robert N. Colwell Memorial Fellowship

**Michael Falkowski** 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. His expected completion date is December, 2007.

Falkowski received his undergraduate degree in Geography from the University of Wisconsin-Stevens Point. There he had the opportunity to participate in geologic remote sensing research projects in Texas and Morocco, Africa. Following graduation, he spent several years gaining practical experience as a GIS technician/specialist for several governmental agencies in Wisconsin. In the fall of 2002 he returned to school as a graduate student in the Forestry Department at the University of Idaho. 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 MSc in December 2004.

Falkowski's 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, both as an undergraduate and as a graduate student. He possesses an impressive list of published and pending papers and presentations, and has received superb recommendations from his professors and professional references. Mr. Falkowski also has received a number of academic honors and awards; is a member of several professional and scientific societies, including ASPRS; and has significant teaching experience. Michael Falkowski is an outstanding young scientist who will no doubt go far in advancing the application of remote sensing in forestry and natural resources, which was the life work of Bob Colwell, in whose name this fellowship is awarded.

# Award Recipients



(l-r) Terry Keating, Ed Freeborn, and Chris McGlone tied for second place for the John I. Davidson President's Award for Practical Papers.



Brad Skelton presented the first place Leica Geosystems Award for Best Scientific Paper in Remote Sensing to Stephen Egbert.

Over the course of more than a half century, Dr. Robert N. Colwell developed a reputation as one of the world's most respected leaders in remote sensing, a field that he stewarded from the interpretation of aerial photographs during World War II, to the advanced acquisition and analysis of many types of geospatial data from military and civilian satellite platforms. His career included nearly 40 years of teaching and research at the University of California, Berkeley, a distinguished record of military service reaching the rank of Rear Admiral, and prominent roles in private industry and as a consultant for many U.S. and international agencies. Among the many awards bestowed upon Dr. Colwell, he had the distinction of being one of the 25 Honorary Members of ASPRS, chosen from the Society's 6000 members

**Purpose:** Established in 2006 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.

**Donor:** The ASPRS Foundation, from funds donated by students, associates, colleagues and friends of Robert N. Colwell.

## The BAE Systems Award

**Yuyu Zhou** as the lead author for the paper "A Manova-based and Object-oriented Statistical Method for Extraction of Impervious Surface Area" with co-author Y.Q. Wang Department of Natural Resources Science, University of Rhode Island, Kingston, R.I.

**Purpose:** to reward top quality research and publication by young students (under age 35 as of the application deadline) at master's or doctoral level and to encourage researchers to use the ASPRS annual conference as a vehicle to publish and present their findings. The recipient's paper will be published in *Photogrammetric Engineering & Remote Sensing (PE&RS)*, the official journal of ASPRS.

**Donor:** BAE Systems through the ASPRS Foundation

## Boeing Award for Best Paper in Image Analysis and Interpretation

**Ola Ahlqvist** and **Mark Gahegan** for the paper "Probing the Relationship Between Classification Error and Class Similarity," *PE&RS*, 71 (12), 1365-1375.

**Purpose:** Established in 1965 as the Autometric Award, this grant recognizes development and achievement in the field of photographic

interpretation through special acknowledgment of superior publications on the various aspects of image analysis and interpretation.

**Donor:** Boeing S&IS Mission Systems through the ASPRS Foundation

## John I. Davidson President's Award for Practical Papers

**First Place:** Brian D. Wardlow, Jude H. Kastens, and Stephen L. Egbert for "Using USDA Crop Progress Data for the Evaluation of Green-up Onset Data Calculated from MODIS 250-Meter Data," (*PE&RS*, 72 (11), 1225-1234).

**Second Place (tie):** J. Chris McGlone, Tom Barclay, Ed Freeborn, Clifford W. Greve, Ayman Habib, Terry Keating, Roberta Lenczowski, Bryan Logan, Toni Schenk, Mladen Stojic, and Alan Voss for "ASPRS Report to the U.S. Geological Survey on Digital Orthoimagery," (*PE&RS*, 72 (2), 95-108).

### And

Ernesto Rodriguez, Charles S. Morris, and J. Eric Belz for "A Global Assessment of SRTM Performance," (*PE&RS*, 72 (3), 249-260).

**Purpose:** The John I. Davidson Award was established in 1979 to encourage and commend individuals who publish papers of practical or applied value in Photogrammetric Engineering & Remote Sensing (*PE&RS*).

**Donor:** The ASPRS Foundation

## Leica Geosystems Award for Best Scientific Paper in Remote Sensing

**First Place:** Brian D. Wardlow, Jude H. Kastens, and Stephen L. Egbert, for "Using USDA Crop Progress Data for the Evaluation of Greenup Onset Date Calculated from MODIS 250-Meter Data" (*PE&RS*, 72 (11), 1225-1234).

**Second Place:** Rebecca Musy, Randolph Wynne, Christine Blinn, John Scrivani, and Ronald McRoberts for "Automated Forest Area Estimation Using Iterative Guided Spectral Class Rejection," (*PE&RS*, 72 (8), 949-960).

**Third Place:** Lei Ji and Kevin Gallo for "An Agreement Coefficient for Image Comparison," (*PE&RS*, 72 (7), 823-833).

**Purpose:** Established in 1991 as the ERDAS Award for Best Scientific Paper in Remote Sensing, it became the Leica Geosystems Award for Best Scientific Paper in Remote Sensing in 2002. This award encourages and commends individuals who publish papers of scientific merit that advance our knowledge of remote sensing technology.

# Award Recipients



Christine Blinn accepted the 2nd place Leica Geosystems Award for Best Scientific Paper in Remote Sensing.



Kurt Ritters took 3rd place for the ESRI Award for Best Scientific Paper in GIS.



Eva Paska received the William A. Fischer Memorial Scholarship.

**Donor:** Leica Geosystems GIS & Mapping through the ASPRS Foundation

## The ESRI Award for Best Scientific Paper in GIS

**First Place:** Suzanne P. Wechsler and Charles N. Kroll, "Quantifying DEM Uncertainty and Its Effect on Topographic Parameters," (*PE&RS*, 72 (9), 1081-1090).

**Second Place:** Jeremy Mennis, "Socioeconomic-Vegetation Relationships in Urban, Residential Land: The Case of Denver, Colorado," (*PE&RS*, 72 (8), 911-921).

**Third Place:** Kurt H. Ritters, James D. Wickham, and Timothy G. Wade, "Evaluating Ecoregions for Sampling and Mapping Land-cover Patterns," (*PE&RS*, 72 (7), 781-797).

**Purpose:** Established in 1991, the ESRI Award honors individuals who publish papers of scientific merit that advance our knowledge about GIS technology.

**Donor:** The Environmental Systems Research Institute, Inc. (ESRI) through The ASPRS Foundation

## The Talbert Abrams Award

**Grand Award:** Jie Shan, Chiung-Shiuan Fu, Bin Li, James Bethel, Jeffrey Kretsch and Edward Mikhail, "Principles and Evaluation of Autostereoscopic Photogrammetric Measurement", (*PE&RS*, 72(4):365-372).

**Second Place:** C. S. Faser and S. Al-Ajlouni, "Zoom-dependent Camera Calibration in Digital Close-Range Photogrammetry", (*PE&RS*, 72(9): 1017-1026).

**Third Place:** Hans-Gerd Maas and Uwe Hampel, "Photogrammetric Techniques in Civil Engineering Material Testing and Structure Monitoring", (*PE&RS*, 72(1): 39-45).

**Purpose:** The Talbert Abrams Award was established in 1945 to encourage the authorship and recording of current, historical, engineering, and scientific developments in photogrammetry. The Award is determined from papers published in *Photogrammetric Engineering & Remote Sensing* (*PE&RS*).

**Donor:** The ASPRS Foundation

## William A. Fischer Memorial Scholarship

**Eva Paska** is a doctoral candidate at the Ohio State University, Department of Civil and Environmental Engineering and Geodetic Science,

with a focus on photogrammetry and remote sensing. She has an extremely strong background in photogrammetry and geodesy, with an impressive history of grade-point averages in college courses, both at Ohio State as well as the University of Budapest. She also has an excellent list of conference publications, including lead author in several proceedings papers. She provided an excellent proposal for continuing studies, and has excellent faculty references. Her faculty advisor is Associate Professor Dr. Dorota Grejner-Brzezinska.

**Purpose:** The William A. Fischer Scholarship facilitates graduate studies and career goals of a worthy student adjudged to address new and innovative uses of remote sensing data and techniques that relate to the natural, cultural, or agricultural resources of the Earth. It was established in 1984.

**Donor:** The ASPRS Foundation through individual and corporate contributions in memory of William A. Fischer.

## Robert E. Altenhofen Memorial Scholarship

**Shahram Moafipoor** is a doctoral candidate at the Ohio State University, majoring in Civil and Environmental Engineering and Geodetic Science, with a specialization in photogrammetry. He has an extremely strong background in photogrammetry and georeferencing systems, and excellent academic records at both Ohio State and in Iran. He has an excellent list of publications. He provided a focused research proposal, and has excellent faculty references. His faculty advisor is Associate Professor Dorota Brzezinska.

**Purpose:** First given in 1986, the Robert E. Altenhofen Memorial Scholarship is intended to encourage and commend college students who display exceptional interest and ability in the theoretical aspects of photogrammetry.

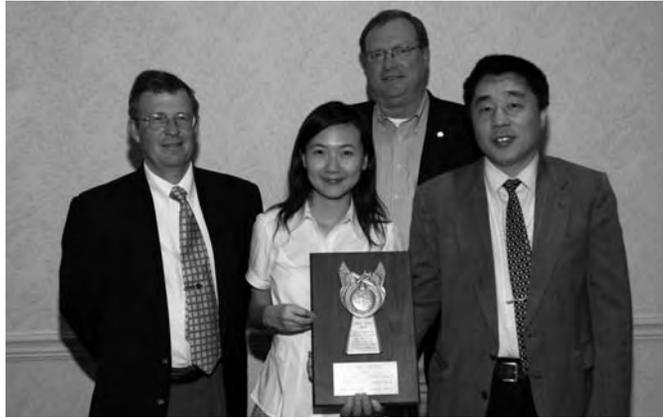
**Donor:** The ASPRS Foundation. This award was originally established by Mrs. Helen Altenhofen as a memorial to her husband, Robert E. Altenhofen, past president of ASPRS. He was an outstanding practitioner of photogrammetry and made notable contributions to the mathematical aspects of the science.

## Ta Liang Award

The Ta Liang Memorial Award for 2007 is presented to **Jonathan B. Thayn**. Thayn's selection was based on his academic achievements, planned program of research-related travel, and extracurricular activities.

Thayn is a Ph.D candidate in Geography and Remote Sensing in the

# Award Recipients



Talbert Abrams-Grand.jpg = James Bethel, Bin Li, Steve Wallach (accepting for Jeffrey Kretsch), and Jie Shan received First Place for the Talbert Abrams Award.



Jonathan B. Thayne received the Ta Liang Award.

Department of Geography at the University of Kansas. He is exploring the use of remote sensing to create maps of vegetation characteristics to inform ecosystem dynamics models. He is particularly interested in using vegetation seasonal dynamics and phenology, as expressed in hyper-temporal remotely sensed datasets, to characterize wilderness and agriculture land cover. Thayne plans to use the award for travel to Manaus, Brazil during the 2007 dry season to collect field data in support of his research.

In addition to his studies, Thayne has been involved in numerous projects including the Scale and Complexity in Arid Land Ecosystems (SCALE) project, an NSF funded initiative for which he examined relationships between remotely sensed landscape-scale measurements of biocomplexity and cattle stocking rates on the rangelands of Kansas. In the Red Cedar Invasion Project, he used red cedar's year-round photosynthetic capacity to separate it from native, deciduous vegetation. He is currently working as part of a team, funded by the Geneva International Center for Humanitarian Demining, to perfect a method of remotely mapping land mine fields using GIS, GPS and laser binoculars. He has also been active as a student co-director of the Remote Sensing Specialty Group of the AAG, and is presently Communications Councilor of the ASPRS Student Advisory Council.

**Purpose:** To facilitate research-related travel by outstanding graduate students in remote sensing, including field investigations, agency visits, participation in conferences, or other travel which enhances or facilitates graduate research.

**Donor:** Individual and corporate contributions to the ASPRS Foundation in memory of Ta Liang.

## Paul R. Wolf Memorial Scholarship

No award was given this year

## Kenneth J. Osborn Memorial Scholarship

**Katarina Doctor** is pursuing a Bachelor of Science degree in Geography and GIS at George Mason University in Fairfax, Virginia. Her areas of specialization include an emphasis on GIS, remote sensing, and cartography technology to analyze the causes and societal impacts of natural hazards. She also plans to apply state of the art digital tools to the analysis of spatial information within geomorphology and environmental science. Her paper was strong, indicating exceptional potential for an undergrad. Her faculty contact is Dr. Stephen S. Harlan.

She plans to graduate in 2008, after which she plans to continue her studies at the graduate level. She would like to conduct research

that would help limit the negative consequences of natural disasters by expanding her studies outside geographic information science into economics and politics. Her references and personal statements also articulated her active interest and participation in outreach activities, such as conferences and professional society events. Of note was her work with the National Speleological Society (related to cave exploring), wherein she made good use of her knowledge and skills in collaboration and communication.

**Purpose:** To encourage and commend college students who display exceptional interest, desire, ability, and aptitude to enter the profession of surveying, mapping, photogrammetry, or geospatial information and technology. In addition, the Award recognizes students who excel at an aspect of the profession that Ken demonstrated so very well, that of communications and collaboration.

**Donor:** The ASPRS Foundation from funds donated by the friends and colleagues of Kenneth J. Osborn. Recognized nationally and internationally, Ken was an outstanding practitioner of surveying, mapping, photogrammetry, and geospatial information and technology, and a great friend of the Society. As a professional cartographer with the U.S. Geological Survey, Ken made significant contributions to these fields. The award was first offered in 2005.

## The ASPRS GeoEye Award

**Govinda Basnet** – 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.

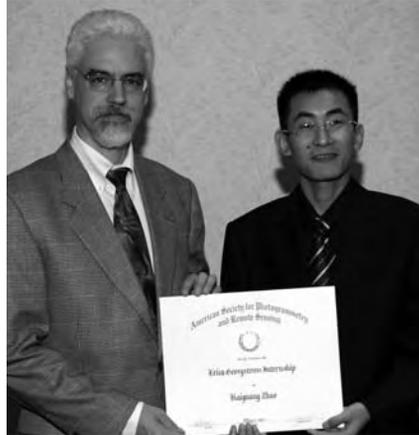
With the use of spatial analysis methods, his study aims to investigate how different water rights systems influence local land management decisions, by integrating field-collected spatial and qualitative information with high resolution satellite imagery provided by the ASPRS GeoEye Award.

**Tim De Chant** — 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:

# Award Recipients



Dr. Thomas Jordan accepted the ASPRS GeoEye Award from Gene Dial on behalf of award winners Govinda Basnet and James Kellener.



Brad Skelton presented the Leica Geosystems Internship award to Kaiguang Zhao.



Nora Csanyi accepted the Intergraph Scholarship from Dr. Mostafa Madani.

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

**James Kellner** — The title of Kellner's project 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.

**Donor:** GeoEye, Inc. through the ASPRS Foundation

## The Leica Geosystems Internship

**Kaiguang Zhao's** proposal for his research project is "Bayesian Nonlinear Classification of Multispectral Remote Sensing Data". Classification is a fundamental and crucial task for many remote sensing applications. It is also one of our company's focus areas in research and development. He proposed to investigate the nonlinear models of Bayesian classification for multispectral image classification. The nonlinear Bayesian classification has gained an explosion of interest in other disciplines such as electrical engineering, economics, machine learning and computer science etc., but is still new in the remote sensing community. This new method could improve the classification results of remote sensing images since a nonlinear model offers more flexibility over the traditional linear model. Its implementation has now become much easier due to the increases in computational power. We anticipate that the proposed research and investigation have the potential to benefit both the academic community and our research and development effort in the classification applications. Kaiguang Zhao has demonstrated strong research and development capability through his numerous publications in the proposed research field and other relevant fields.

This research experience will help him to be successful with his proposal. Kaiguang Zhao has an excellent academic record and received numerous awards for his achievements across his different student phases. His proposal and academic achievements have been

appraised very highly by his advisers. All these together give us the strong belief that he will accomplish an excellent research project with the Leica Geosystems through this award.

**Purpose:** Leica GeoSystems Internship is an eight-week internship for graduate students in photogrammetry. The selected intern works with Leica GeoSystems personnel at a selected Leica GeoSystems facility. The internship consists of a stipend of \$2500 plus an allowance for travel and living expenses for the period of the internship.

**Donor:** Leica Geosystems GIS & Mapping through the ASPRS Foundation. The internship provides the award winner with an opportunity to carry out a small research project of his/her own choice, or to work on an existing Leica GeoSystems project as part of a team.

## Intergraph Scholarship (formerly the Z/I Imaging Scholarship)

**Nora Csanyi** completed her master's degree in Surveying and Geomatics Engineering in June of 2001 from The Budapest University of Technology. She will be completing her PhD degree in Photogrammetry and Remote Sensing in June of 2007 from Ohio State University. Her faculty advisor is Dr. Dorota Grejner-Brzezinska. Csanyi's academic record is outstanding.

Her research combines photogrammetry and lidar and focuses on the development of new mathematical models and algorithms for digital photogrammetry, lidar data processing, sensor calibration, and sensor fusion. Her work is applicable to current needs in the industry for improved accuracy and automation.

Csanyi's future plans demonstrate her dedication and commitment to the field. She intends to continue her research in academia or private industry to develop tools and methodologies to assess and improve accuracy in real-world photogrammetric applications. She has the ability and potential to make a significant contribution to our industry.

**Purpose:** The Intergraph Award is designed to facilitate graduate-level studies and career goals adjudged to address new and innovative uses of signal processing, image processing techniques, and the application of photogrammetry to real-world techniques within the earth imaging industry.

**Donor:** Intergraph Corporation through the ASPRS Foundation. The Intergraph award carries a \$2,000 cash prize and a hand-engrossed certificate.



Tom Brennan from Kodak presented the Kodak International Educational Literature Award to Professor Edgar Franco from the University of San Carlos, Guatemala.



(l-r) Brad Doorn, Rick Mueller, Gene Whitney, Ed Grigsby, and Jim Hipple received an ASPRS Outstanding Service Award for their work on the Future of Land Imaging Interagency Working Group

## Kodak International Educational Literature Award

**The Program in Land Administration, Faculty of Agronomy, University of San Carlos, Guatemala City, Guatemala** offers a course of study focusing on land administration, which consists of a three-year technical study program in surveying and five years in land administration engineering. Program curriculum includes geography, geographic information systems, photogrammetry, remote sensing, and databases. Two additional programs in crop production systems and natural resources will also be supported by this award. This award will enhance current literature holdings and educational support materials in photogrammetry, photointerpretation, remote sensing, and GIS with access to over 1,200 students and 90 professors in the Faculty of Agronomy as well as professors who teach in other programs and university regional centers.

**Purpose:** The KIELA was first bestowed in 1990. Its goal is to improve the quantity and quality of literature in the recipient's library, particularly in the mapping sciences (i.e. photogrammetry, remote sensing, GIS, and related disciplines) by providing educational materials and publications.

**Donor:** Eastman Kodak Company, through the ASPRS Foundation

## ASPRS Outstanding Service Award

**The Future of Land Imaging Interagency Working Group, Dr. Gene Whitney, Chair**, for their efforts in developing a long-term U.S. strategy for moderate resolution land imaging satellites.

**Jack Dangermond**, for fully endowing the ESRI Award for Best Scientific Paper in GIS.

**Dave Maune**, for his diligent work as editor of the 2nd Edition of the DEM Manual.

**Purpose:** Established in 1991, The Outstanding Service Award is given to society members in recognition of outstanding and unusual efforts in helping ASPRS develop and carry out its program over a sustained period. Recipients have performed outstanding service at the chapter, regional, or national level. Awardees' service includes any activities, including professional, that have helped the society achieve its goals and objectives.

**Donor:** The ASPRS Foundation

## ASPRS Ford Bartlett Membership Award

This year's recipients are Brian Miyake, Thomas R. Mueller, Brian E. Murphy, and Mary DeVries O'Neill

**Purpose:** First awarded in 1968, the ASPRS Ford Bartlett Membership Award honors members for actively promoting membership in ASPRS.

**Donor:** the ASPRS Foundation. (This award was originally sponsored by the firm of Lockwood, Kessler, and Bartlett, Inc.)

## ASPRS Outstanding Workshop Instructor Award

**Michael Renslow**, currently of Renslow Mapping Services, has been selected to receive the inaugural ASPRS Outstanding Workshop Instructor Award. Renslow is being presented this award in recognition of his significant contributions to the ASPRS workshops at the Spring and Fall meetings for many years. His workshops are always in great demand, relevant, and valuable. Renslow has been diligent in designing new workshops to keep pace with the ever-changing technologies in our field and is an excellent and engaging instructor.

The committee is pleased to make this award to Mr. Renslow and is looking forward to the many excellent workshops that he will continue to offer as part of the ASPRS Workshop Program.

**Purpose:** The Outstanding Workshop Instructor Award is conferred by ASPRS in recognition of special, personal, and meritorious contributions to continued organization, promotion, and/or delivery of workshops at the ASPRS Annual and Fall Conferences.

**Donor:** The award is administered by the ASPRS Foundation from funds donated by ASPRS members and participating sponsors through contributions to the ASPRS Foundation.

## Col. Claude H. Birdseye President's Citation

**Kari J. Craun**

**Purpose:** The Col. Claude H. Birdseye President's Citation was established in 1965 as a tribute to one of the founders and the first president of the Society. Each year at the Annual Convention it is conferred on the outgoing president in recognition of her/his contributions to the Society.

**Donor:** The ASPRS Foundation

# Award Recipients



Dave Maune received an ASPRS Outstanding Service Award for his editorship of the 2nd edition of the DEM Manual.



Dr. David Maguire accepted the ASPRS Outstanding Service Award on behalf of Jack Dangermond for full endowment of the ESRI Award for Best Scientific Paper in GIS.



Brian Murphy received the Ford Barlett Membership Award.

## ASPRS Fellow Award

**Russell G. Congalton** is a professor of Remote Sensing and GIS in the Department of Natural Resources at the University of New Hampshire. Congalton received a BS (Natural Resource Management) from Rutgers University in 1979. He earned an MS (1981) and a PhD (1984) in remote sensing and forest biometrics from Virginia Tech. In his current position he is responsible for teaching courses in photogrammetry and photo interpretation, digital image processing, and geographic information systems. He conducts basic research involving spatial data uncertainty, accuracy assessment, and validation and applied research in using remotely sensed and other geospatial information to solve natural resource issues including forest management, wildlife habitat assessment, endangered species evaluation, change detection, and ecosystem analysis.

Congalton joined the faculty at the University of New Hampshire in 1991 as an assistant professor. He was promoted to associate professor in 1994 and to full professor in 1999. Prior to joining the faculty at UNH, he was an assistant professor of remote sensing at the University of California, Berkeley from 1985 – 1991. From 1991-1993, he held a Visiting Remote Sensing Scientist position with the U.S. EPA Environmental Sciences Lab in Las Vegas, Nevada. Other significant remote sensing experience includes a post-doctorate research scientist position at the U.S. Army Corps of Engineers Waterways Experiment Station for all of 1984, an internship at the USGS EROS Data Center in 1981, and membership on the SPOT Image Academic Advisory Council from 1994 - 2000. In addition, Congalton has served as Chief Scientist of Pacific Meridian Resources from 1989 - 2000, with Space Imaging Solutions from 2000- 2004, and with the Sanborn Map Company from 2004 until the present.

He has been an active member of ASPRS since 1979, and has been awarded four ASPRS Presidential Citations (1987, 1989, 1990, 1992) and an ASPRS Outstanding Service Award (2000). Since 1997, Congalton has been the National Workshop Coordinator responsible for organizing and overseeing all Educational Workshops at APSRS spring and fall conferences. In addition, he served as President of ASPRS in 2004-05 and was the ASPRS delegate to the ISPRS Congress in Istanbul in 2004. He was the primary force behind rejuvenating the New England Region of ASPRS and has served as Region Secretary/Treasurer since 2004.

Congalton has authored or coauthored more than 100 papers and conference proceedings. He is the author of five book chapters, co-editor of a book on spatial uncertainty in natural resource databases entitled *Quantifying Spatial Uncertainty in Natural Resources: Theory and Applications for GIS and Remote Sensing*, and co-author of the

book *Assessing the Accuracy of Remotely Sensed Data: Principles and Practices*. His papers have won awards four times including: 1994 ASPRS John I. Davidson Award for Practical Papers (2nd Prize), 1996 ESRI Award for Best Scientific Paper in Geographic Information Systems (3rd Prize), 1998 ASPRS John I. Davidson Award for Practical Papers (1st Prize), 1998 ESRI Award for Best Scientific Paper in Geographic Information Systems (2nd Prize).

Finally, Congalton is the Remote Sensing/Land Cover Principal Investigator of the NSF GLOBE Program, a scientist-teacher-student environmental education and research partnership involving over 90 countries and 15,000 schools. Much of the work in this project is developing scientific protocols and learning activities for student understanding of land cover mapping and remote sensing. He has been part of the GLOBE Program since 1995.

**Alan Mikuni** received his BS in civil engineering from California State University at Fresno (then called Fresno State College) in 1970 and became licensed as a professional engineer in California in 1975.

Mikuni began his career at the USGS as a civil engineering student trainee in 1966, working summers engaged in field survey and photogrammetric mapping operations. On graduation in 1970, he entered duty as a civil engineer at the USGS engaged in all phases of topographic mapping. In 1995, he was selected as Chief of the Western Mapping Center in Menlo Park, California. In 2001, he was appointed to his current position within the U.S. Federal Government's Senior Executive Service in the position of Western Regional Geographer. As such, Mikuni is responsible for the implementation of all aspects of the mission of the USGS' Geography Discipline in the Region. He provides executive leadership on critical national USGS programs, management of Regional geographic science, and along with fellow Regional executives ensures the execution of all USGS programs in the Region.

Mikuni was the project manager on the first USGS implementation of the Brooks Act AE Selection Process on the National Digital Orthophoto Quadrangle Program. He served as the project manager on this program for the first three USGS contracts. He established an innovative program to provide non-monetary rewards to USGS employees. In 1999, his efforts led to the establishment of the USGS Science Impact program which uses geography to demonstrate the value of natural science in public decision-making. Mikuni continues to work to expand Science Impact through the establishment of external partnerships with the Center for Science Policy, universities, scientists, and public decision-makers. Mikuni's distinguished career within the USGS has led to his elevation to the highest levels of management within the organization as a Senior Executive.

Mikuni has been an active, contributing member of ASPRS since

# Award Recipients



Michael Renslow was awarded the first ever Outstanding Workshop Instructor Award.



ASPRS President Kari Craun presented the Fellow Award to Alan M. Mikuni.



ASPRS President Kari Craun presented the Fellow Award to Nancy K. Tubbs.

1968 and was ASPRS National President during 2000-2001. He served as conference co-chair for the 2006 Annual ASPRS Conference in Reno, Nevada. He currently serves as co-chair on the Convention Planning and Policy Committee and as a member of both the Certification Committee and the Professional Conduct Committee. His responsibilities on the Certification Committee include review of the Certified Photogrammetrist applications. In addition, he serves as chair of the Kenneth Osborn Scholarship Committee. He also served as the Northern California Region President and Director of the ASPRS Professional Practice Division.

Mikuni is a Fellow of the American Congress on Surveying and Mapping and a Fellow of the American Society of Civil Engineers. He is currently nominated and running unopposed for the position of Vice President of the Cartography and Geographic Information Society of the American Congress on Surveying and Mapping, a position which will automatically progress to the position of President in 2008. His participation in the geospatial community also extends to membership in the Urban and Regional Information Systems Association, the National Society of Professional Engineers, the Association of American Geographers, and the Senior Executives Association. He currently serves on the Geomatics Engineering Advisory Council for California State University at Fresno. In 1996, the Department of the Interior recognized Mikuni with its highest honor award, the Distinguished Service Award, for career contributions to the Department. In addition to his involvement in professional society activities, Mikuni serves as the President of the Fremont, California Chapter of the Japanese American Citizens League. In this role, he has made significant contributions to the promotion and support of Japanese Americans in professional development.

**Nancy Tubbs** attended the University of Minnesota and graduated from Chaminade University in Honolulu, Hawaii, in 1978 with a Bachelor of General Studies (History and Geography). She received a master's degree in Environmental Policy and Management, with a concentration in Natural Resource Management, from the University of Denver in November 2000. She began her career in 1978 working for the U.S. Army Corps of Engineers, Merrick and Co. Engineering, and Bureau of Land Management's Colorado State Office in Denver until 1984. She transferred to the U.S. Geological Survey's Rocky Mountain Mapping Center in Denver where she participated on all mapping production activities and was selected for several specialized technical and managerial training. In June 1991, she returned to the BLM National Applied Resource Sciences Center in Denver as a cartographer where she served as the lead editor for the Bureau's 1:100,000-scale mapping program. While at BLM she participated

in the Office of Personnel Management's Women's Executive Leadership Program.

In January of 1997, Tubbs transferred back to the USGS, as their Western Region State Liaison for Oregon, located in Portland, Oregon. In this respect, she is responsible for developing partnerships with other federal, state and local agencies as well as universities, NGOs, and industry supporting mutual beneficial mission goals. As such, she represents the USGS in coordinating National Mapping activities with other USGS disciplines in the Pacific Northwest (PNW); with federal, state, regional, and local agencies in the region; and with academic and private sector entities in Oregon and Washington. She is actively involved in the implementation of The National Map in the PNW and USGS' Homeland Security coordination related to the 133 Urban Areas program in the PNW. She also represents the USGS on the Oregon Geographic Information Council and on the regional Inter-organizational Resource Information Coordinating Council. She is an active member of several state framework subcommittees in Oregon and Washington as well as at the regional level.

Tubbs is a past National Director, President, Vice President, and Newsletter Editor for the Rocky Mountain Region. She co chaired the first GIS in the Rockies Conference in 1989, and also served on the planning committee for the 1990 conference. More recently she served as the Scholarship Committee Chair, Secretary/Treasurer, Vice President, and President for the Columbia River Region. She was actively involved with the planning for the ASPRS/URISA regional GIS in Action Conference in Portland from 1999-2001.

At the national level she served as the Assistant Convention Director for the 1990 ASPRS Annual Conference in Denver and received an ASPRS Presidential Citation. She represented ASPRS on the joint GIS/LIS Steering Committee for 1995-1997, and served as the GIS/LIS Chair for 1997 in Cincinnati. Tubbs also served as the ASPRS GIS Division Director during 1999-2000, and as GIS Assistant Division Director from 1997-1998. She has served on several other ASPRS National Committees, including: Convention Policy and Planning, Strategic Planning, Membership, Professional Conduct, and Education. She and Chris Fayed co-chaired the Technical Program for the ASPRS Annual Conference in Portland in 1999.

**Donor:** The ASPRS Foundation

## Photogrammetric Award (Fairchild)

**George G. Y. 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 respec-

# Award Recipients



Dr. George Y.G. Lee was honored with this year's Photogrammetric Award.



Bon Dewitt was awarded the Conference Management Award as Technical Program Chair of the ASPRS 2007 Annual Conference.



Gary Florence was awarded the Conference Management Award as Chair of the ASPRS 2007 Annual Conference.

tively. He started his career at the USGS in 1972 conducting, among other things, QC on products from the original orthophotoscopes. Lee 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. Over the course of his thirty two 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 at least 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 had oversight of this program from primary data acquisition through processing, archive, and distribution. 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 including standards and specifications development, bidder site inspections, evaluation, and selection, as well as establishing quality control procedures, and over all performance monitoring. He was also 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. His work has contributed directly to USGS initiatives supporting analog and digital mapping sectors of the remote sensing and mapping industry. 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 was also awarded both the Department of the Interior's Superior Service and Meritorious Service Awards.

**Donor:** Lockheed Martin

## ASPRS Conference Management Awards

**Gary Florence**, Tampa Conference Chairman and **Bon Dewitt**, Tampa Technical Program Chair.

**Donor:** The ASPRS Foundation

## Presidential Citations

**Mary Clinthorne** for her service as book review editor for *PE&RS*.

**Perry Hardin** for his service as Chair of the Publications Committee and Highlights editor for *PE&RS*.

**Rakesh Malhotra**, an instructor in the Department of Environmental, Earth, and Geospatial Sciences of North Carolina Central University for providing the initial communication with ASPRS that led to the development of the ASPRS Provisional Certification Program. He has encouraged several students to pursue certification and become ASPRS members.

**Albert Barnett**, the Chair of the Department of Environmental, Earth, and Geospatial Sciences of North Carolina Central University, for providing strong support for the ASPRS Provisional Certification Program within the University by coordination with the Dean's Office, the Accreditation Department, and the Faculty.

**Paul Brooks** for his work as Program Chair for the ASPRS San Antonio Fall Conference.

**Randy Olsen** for his long-standing work as Chair of the Robert E. Altenhofen Memorial Scholarship review Committee.

**Donor:** the ASPRS Foundation

## ASPRS Region of the Year Award

**First Place:** The **Columbia River Region** did an outstanding job this year. Congratulations for taking to the top position. The Region received this award for outstanding accomplishments in all areas of region activities, some of which include a terrific newsletter; holding numerous technical meetings/presentations; establishing a new student chapter; granting student chapter awards, and having a productive membership recruitment and retention program.

**Tied for First Honorable Mention:** The **Eastern Great Lakes** has

# Award Recipients



Rakesh Malhotra received a Presidential Citation from ASPRS President Kari Craun.



Randy Olsen received a Presidential Citation from ASPRS President Kari Craun.



Columbia River Region Vice President Stephen Duncan and Past President Anne Hillyer accepted the first place Region of the Year banner.

won this award for their dedication to membership promotion and retention (with several membership champions); having a scholarship award; giving donations to the ASPRS Foundation; having successful technical meetings/workshops (including Wetland Remote Sensing and Mapping).

The **Rocky Mountain Region** has received this award for their successful student membership recruitment program; membership renewal campaigns; having two new student chapters; holding a major technical conference "GIS in the Rockies" with URISA, ACSM, PLSC, GITA and GIS Colorado.

**Tied for Second Honorable Mention:** The **Central New York Region** won this award once again for their involvement with headquarters in working with the Conference Policy and Planning Committee on the Fall 2007 Conference in Ottawa, Ontario; providing ongoing support for the 10 year industry forecast; having a student of the year award; consistently contacting their inactive members and ascertaining the reasons for delinquency; and having a successful 5th Annual Remote Sensing Symposium.

The **Central Region** has received this award for continuous dedication to their members as well as the Society; creating a prototype e-ballot, currently under review for additional development; their scholarship program; Student Chapters and Student members travel fund; education, Public relations and overall efforts to be an outstanding region.

**Donor:** The ASPRS Foundation

## ASPRS Region Newsletter of the Year Award

**First Place:** **Wavelengths**, the newsletter of the Columbia River Region is the First Place Winner of the Newsletter of the Year. Its diligence brought it from third place in 2004 and 2005. This outstanding publication is well known for its insights, timely topics and other important contributions to its readers with its informative reporting, and keeping members abreast of upcoming events including region and national news. Its concise editing and style makes it easy to read.

**Second Place:** The **Central Region Newsletter** is the Second Place Winner of the Newsletter of the Year Award. The colorful photojournalistic style of this publication covers all important areas in the region such as meetings, job postings, scholarships, professional certifications (including the provisional certification Program), welcoming new members and other information valuable to readers.

**Third Place:** The **Rocky Mountain Compiler** is the third Place Winner of this award. This attractive publication contains many important con-

cerns of the region as well as for National, such as meetings, calendar events, awards and scholarships. Spotighting Student Chapters, new members, Student Volunteers for the Fall MAPPs-ASPRS Specialty conference, and job posting all add to a publication that reflects the Region's dedication to its chapters and members.

**Donor:** The ASPRS Foundation

*The Newsletter of the Year Award includes a hand engrossed certificate.*

## Region Website of the Year

First Place: **Eastern Great Lakes Region**

First Honorable Mention: **Rocky Mountain Region**

Second Honorable Mention: **Alaska Region**

**Donor:** The ASPRS Foundation

## ASPRS Travel Grant

**Jonathan B. Thayn** is pursuing a doctoral degree in geography at the University of Kansas under the co-advisement of Dr. Kevin P. Price and Dr. William I. Woods. His research interests include using vegetation seasonal dynamics and phenology, as expressed in hyper-temporal remotely sensed datasets, to characterize wilderness and agriculture land cover in order to improve models of ecosystem behavior. His dissertation is entitled "Locating Amazonian Dark Earths (ADE) using MODIS Hyper-Temporal Datasets and Harmonic Wave Analysis," and looks to identify fertile anthropogenic soils in the Amazon Basin based on the patterns and dynamics of the vegetation growing on them versus those of vegetation growing on the typical nutrient-poor oxisols that dominate the region.

In addition to allowing Thayn to more fully fulfill his responsibilities as Communications Councilor of the ASPRS Student Advisory Council, he has stated that, "attending the ASPRS Annual Conference will allow me to stay on the cutting edge of research and technique development in my chosen field. This exposure is instrumental in helping me achieve my professional goals."

**Bandana Kar** is a doctoral candidate at the University of South Carolina pursuing a degree in Geography with a specialization in Geographic Information Science. Kar will be presenting a paper entitled "Impact of scale of analysis on property loss estimation in Florida: A comparative approach." The research concentrates on establishing a statistical relationship between the spatial scales of analysis used to estimate property damage loss due to hurricane induced storm surge impacts and estimated loss.

# Award Recipients



Chuck Olson accepted the First Honorable Mention, Region of the Year Award, for the Eastern Great Lakes Region, as well as the First Place Award for Region Website of the Year.



Terrence Ryan accepted the First Honorable Mention, Region of the Year Award, for the Rocky Mountain Region.



Lindsey Quackenbush accepted the Second Honorable Mention, Region of the Year Award, for the Central New York Region.



Barry Budzowski accepted the Second Honorable Mention, Region of the Year Award, for the Central Region.



Anne Hillyer accepted the Region Newsletter of the Year Award for Wavelengths, the Columbia River Region newsletter.



Matt Altman received the Third Place Award for Alaska as Region Website of the Year.

By establishing a relationship between spatial scale and potential loss from storm surge, her research will contribute to the field of geography in general and the sub-discipline of Geographic Information Science and Hazards. The results of this research will facilitate organizations to downscale or upscale financial loss estimation due to change in the observation scale. By presenting the outcome of this work to researchers and policy makers, Kar hopes to receive constructive insights and suggestions towards further research in the policy arena.

**Donor:** The ASPRS Foundation.

**Don't forget to apply for the following awards by December 1, 2007 and take advantage of these valuable scholarships.**

**Forms may be obtained from the ASPRS office or they may be downloaded from our website at [www.asprs.org](http://www.asprs.org).**

- BAE Systems Award
- William A. Fischer Memorial Scholarship
- Robert E. Altenhofen Memorial Scholarship
- Ta Liang Memorial Award
- Robert N. Colwell Memorial Fellowship Award
- Paul R. Wolf Memorial Scholarship
- Kenneth J. Osborn Memorial Scholarship
- The ASPRS GeoEye Award
- Leica Geosystems Internship
- Intergraph Scholarship
- Kodak International Educational Literature Award
- ASPRS Student Travel Grants



Jonathan B. Thayne received an ASPRS Travel Grant.



Bandana Kar received an ASPRS Travel Grant.