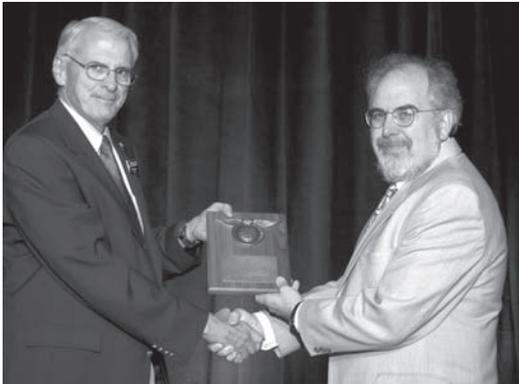


The following awards and scholarships were presented at the ASPRS 2004 Annual Conference in Denver, Colorado. The complete text from the 2004 Awards Program is available on the ASPRS website at [www.asprs.org](http://www.asprs.org).

## Photogrammetric Award (Fairchild)

Dr. J. Chris McGlone



(L-R) Dr. J. Chris McGlone received the Photogrammetric Award from ASPRS President Don Lauer.

Dr. J. Chris McGlone has made several outstanding contributions through his R&D efforts since receiving his PhD from Purdue in 1980. McGlone is a senior systems scientist in the School of Computer Science of Carnegie Mellon University and has been a member of the research faculty since 1992. He received a B.S. in Civil Engineering from the University of Kentucky, and M.S. and Ph.D. degrees in Civil Engineering (Photogrammetry) from Purdue University. His thesis implemented the block adjustment of multispectral scanner data, including geometric information for additional strength, and the evaluation of the block adjustment results.

McGlone's career in both industry and academe has been focused on the combination of photogrammetry and computer vision. At H. Dell Foster Associates he worked on industrial inspection applications of machine vision, while at Loral Fairchild Systems he was involved in the design and modeling of reconnaissance cameras and in the application of computer vision algorithms to reconnaissance imagery.

In 1992 he joined the Digital Mapping Laboratory, where he is working on applications of photogrammetry to automated cartographic feature extraction. Specific research topics have included vanishing point analysis and the use of simultaneous bundle adjustment with geometric constraints to construct precise building models and to evaluate feature matching and geometric hypotheses.

McGlone is a co-author of the textbook *Introduction to Modern Photogrammetry* and is the editor of the Fifth Edition of the *Manual of Photogrammetry*, the standard photogrammetric reference published by ASPRS. He also contributed chapters to the manuals *Digital Photogrammetry: An Addendum to the Manual of Photogrammetry* and *Non-Topographic Photogrammetry*.

McGlone is a member of IEEE and ASPRS. He has served on the program committee of several conferences, as the ASPRS correspondent to Commission II of the International Society for Photogrammetry and Remote Sensing (ISPRS), and is currently secretary of ISPRS Working Group III/7.

**Donor:** Lockheed Martin

## SAIC/Estes Memorial Teaching Award

John R. Jensen



Dr. John R. Jensen (center) received the Estes Award from ASPRS President Don Lauer, and Ed Gibson, SAIC.

**John Russell Jensen** is a Carolina Distinguished Professor in the Department of Geography at the University of South Carolina. He majored in physical geography and analytical cartography and remote sensing at the following institutions: B.A., California State University at Fullerton, 1971; master's, Brigham Young University, 1972; Ph.D., UCLA., 1976. While attending UCLA, he worked full-time for Aero Service Corporation where he was trained in photogrammetry on analytical stereoplotters and orthophotoscopes. In 1977, he accepted a professorship at the University of Georgia. In 1981, Jensen went to the University of South Carolina as an associate professor and helped to develop a new Ph.D. program in "Geographic Information Science" specializing in remote sensing, cartography, and GIS. The academic program is now one of the most respected in the nation. Jensen became a USC "Carolina Distinguished Professor" in 1986.

His research has focused on: a) remote sensing of coastal wetland biophysical resources (e.g., biomass, leaf-area-index); b) development of digital image processing algorithms to extract and model change; c) development of error evaluation statistics for assessing the accuracy of multiple-date change detection, d) improvement of the remote sensing and GIS supported environmental sensitivity index (ESI) mapping used worldwide for protecting coastal resources; and e) modeling water quality parameters (chlorophyll, dissolved inorganic matter, suspended sediment) using high spatial and spectral resolution remote sensor data. Jensen was President of the American Society for Photogrammetry & Remote Sensing in 1996. He has published more than 100 refereed journal articles dealing primarily with remote sensing of the environment. He was a co-author of ASPRS' *Manual of Remote Sensing* (1st and 2nd ed.) and *Manual of Photographic Interpretation* (2nd Ed., 1997). He contributed to *People and Pixels* (1998) and chaired the writing of *Down to Earth: Geographic Information for Sustainable Development* (2002) published by the National Research Council, National Academy Press. His textbooks *Remote Sensing of the Environment* (2000) and *Introductory Digital Image Processing* (3rd Edition; 2004) are used throughout the world. Jensen has mentored 55 master's students and 25 Ph.D.'s in remote sensing. All of them are working in the field.

**Donor:** ASPRS with from SAIC

## Outstanding Service Awards



(L-R) Don Lauer and Doug Fuller



(L-R) Don Lauer and Larry Pettinger, Potomac Region



(L-R) Don Lauer and Sharon Hawk, St. Louis Region



(L-R) Don Lauer and Dr. Susan Ustin



(L-R) Don Lauer and Jim Case

**Doug Fuller**, for his many years of service on the Board and the Executive Committee. **The Potomac Region and the St. Louis Region** for their extraordinary level of support for the Building Fund Drive. **Susan Ustin** for her editorship of the *ASPRS Manual of Remote Sensing*, Volume 4. **Jim Case** for 30 years of service as *PE&RS* Technical Editor.

Donor: ASPRS

## Region of the Year Award



(L-R) Don Lauer and Brian Soliday, Rocky Mountain Region

**The Rocky Mountain Region** is the winner for the third year in a row. The competition for the Region of the Year was once again very tough! The Region was also the Region of Month winner for September 2003. Their constant endeavor to outdo themselves not only enhances their importance to their members but to the Society as well.

The Rocky Mountain Region received this award for outstanding accomplishments in all areas of region activities, some of which include a terrific region newsletter, holding the largest Fall GIS and Remote Sensing Conference in the Western US, and many other technical meetings, tours, expanding local chapters, awarding scholarships. The Region has also supported The ASPRS Headquarters by setting up the matching Building Fund contributions, and establish-

ing the 2004 National Conference Planning Committee. The Rocky Mountain Region not only competed royally, the presentation of their annual report was one of the best ever received at headquarters.



(L-R) Don Lauer and Robert Harmon, Columbia River Region

The **Columbia River Region** has been selected for First Honorable Mention for their superior accomplishments in region activities, including an excellent newsletter, extensive technical meetings such as hosting an International meeting of the ISPRS for "Three Dimensional Mapping from InSAR and Lidar," and other technical meetings. The Region has played the important role of hosting national-level workshops for the second year in a row, including one on preparing for the Professional Certification Exams. Columbia River Region was also the "Region of the Month" winner for June and December 2003.



(L-R) Don Lauer and Matthew Reed, Central Region

The **Central Region** has been awarded Second Honorable Mention. The Region deserves this Award for their achievements, including a vigorous membership campaign and hosting numerous technical meetings that have drawn many new student members. With this effort the Central Region has exceeded the Student Membership goal by 17%. Among its many activities, The Region has provided scholarships, opened an ASPRS Library/reading room, published six informative and colorful newsletters, and produced an up-to-date website.

Donor: ASPRS

## Region Newsletter of the Year Award



(L-R) Tina Cary, Sheila Pelczarski, and Don Lauer

**The Rocky Mountain Compiler**, first place winner of the Region Newsletter of the Year award, is a very informative, easy to read, colorful, eight-page publication. This publication contains many important concerns of the region as well as for ASPRS National, such as meetings, calendar events, membership, Certification programs, and Scholarships. They do an excellent job of keeping their members abreast of all events.



(L-R) Don Lauer and Matthew Reed

**The Central Region Newsletter** is a beautiful and colorful bulletin (published six

times in 2003) and contains important news on student chapters, regional technical presentations, panel discussions on such important topics as Licensing and Certification, and information on the ASPRS Membership drive.



(L-R) Don Lauer and Robert Harmon

Sensing Update. Spotlighting Student Chapters and new members all add up to a publication that reflects the Region's dedication to its members.

Donor: ASPRS

## Region Website of the Year Award



(L-R) Don Lauer and Sharon Hawk, St. Louis Region

The **Saint Louis Region** web site is rich in content and provides current information about region activities to its members. The mission of the ASPRS is to advance knowledge and improve understanding of mapping sciences and to promote the responsible applications of photogrammetry, remote sensing, geographic information systems (GIS), and supporting technologies. This website is provided to help accomplish that mission within the St. Louis Region. Russ Tiensvold is the Web Page Editor. (URL <http://www.asprs.org/st-louis> )



(L-R) Don Lauer and Richard Campbell, Potomac Region



(L-R) Don Lauer and Sheila Pelczarski

**Wavelengths**, the Columbia River Region newsletter is the third place winner. This informative newsletter covers National and Regional news and reports on important issues such as the ASPRS workshop on Preparing for Certification, and provides information on Remote

The **Saint Louis Region** web site is rich in content and provides current information about region activities to its members. The mission of the ASPRS is to advance knowledge and improve understanding of mapping sciences and to promote the responsible applications of photogrammetry, remote sensing, geographic information systems (GIS), and supporting technologies. This website is provided to help accomplish that mission within the St. Louis Region. Russ Tiensvold is the Web Page Editor. (URL <http://www.asprs.org/st-louis> )

The **Potomac Region** of the ASPRS serves the States of Pennsylvania (primarily the southeastern and central sections), Maryland, Delaware, the District of Columbia, Virginia, and North Carolina. The mid-Atlantic area served by the Potomac Region is extensively involved with advanced technology research and development and long-range program and policy development that has a significant impact on the collection and availability of spatial data. The Region's programs, represented on their website, help to promote and support these ac-

tivities. Richard K. Campbell is the Web Master (URL <http://www.asprspotomac.org/> )

The **Rocky Mountain Region**, serving Montana, Wyoming, Colorado, and New Mexico provides unique web site content and an interesting interface. In addition, the Rocky Mountain Region web site promotes the annual GIS in the Rockies meeting and highlights student activities in the region through the Region Chapters – the Colorado State University Geospatial Information Club and the Rio Grande Chapter. Sheila Pelczarski is the Rocky Mountain Region Web Page Editor. (URL <http://www.asprs-rmr.org> )

Donor: ASPRS

## Presidential Citations



(L-R) Don Lauer and Dr. George Hepner

**George Hepner**, University of Utah; **Charles Mondello**, Pictometry Inc.; and **Ray Williamson**, The George Washington University, for their exemplary work in documenting and publishing, in the January issue of *PE&RS*, the results of the 10-year Remote Sensing Industry Forecast, Phases I - III.



(L-R) Don Lauer and Carol Lauer

**Rae Kelley**, ASPRS Production Manager, for her work on the production of the *Manual of Photogrammetry*, 5th Edition.

**Carol Lauer** for her overall support for all presidential activities and for her help in hosting the many ASPRS guests at various official

functions, as well as with her many family commitments.

**Mike Renslow**, Spencer B. Gross, Inc., for his supervision of the implementation of the Technologist Certification program.

## ASPRS/IGIF Student Travel Grants

**Steven Lennartz** is a graduate student from the University of New Hampshire. His professional goal is to pursue a career in the application of remote sensing and GIS technology to natural resource management, specifically to issues involving ecosystem management and environmental monitoring.



(L-R) Don Lauer and Michele Baum

**Michele Baum** will be presenting a paper entitled "Investigating the Use of Static GPS, RTK, and Differential Leveling for Measuring Orthometric Heights" at this year's conference. This is the first conference that she has been able to attend and she's hoping for feedback to help refine her ideas,

improve her presentation skills, and help prepare for her thesis defense.

ASPRS/IGIF provides **two grants** of \$500 each to two qualifying students in support of airfare and lodging. The grant also includes a one-year student membership in ASPRS with all associated privileges and a complimentary conference registration for the selected students provided they volunteer to help at the conference. The grants were first awarded in 2003.

**Donor:** IGIF

## ASPRS Fellow Award



(L-R) Don Lauer and Amy Budge

**Ms. Amelia (Amy) Budge** receives this award for her many contributions to the Society and the field. For 27 years Budge has been involved in many of the University of New Mexico's (UNM) Earth Data Analysis Center (EDAC) geospatial projects and is currently serving as Deputy Director

of EDAC, managing major NASA, DOT, and FGDC projects. She is team leader for EDAC's NASA *Earth Science Information Partner (ESIP)* project and is coordinating development of an Internet accessible, data delivery system that is interoperable with other NASA ESIPs, and that provides information and data from a broad spectrum of satellite sensors and platforms to local and regional resource managers. She has been an active participant on the ESIP Federation Interoperability, Outreach, and Metrics Committees. She is also the project coordinator for EDAC's National Consortium for Remote Sensing in Transportation for Security, Safety, Hazards, and Disaster Assessment, funded by U.S. DOT. Budge has served as Principal Investigator and project manager on six projects funded by the Federal Geographic Data Committee (FGDC) to develop metadata for GIS data, establish an Internet clearinghouse node, conduct metadata training workshops, and inaugurate a web mapping service capability compliant with the Open GIS Consortium's web mapping specifications.

She was appointed by the Secretary of the Department of Interior to serve on an the *National Satellite Land Remote Sensing Data Archive (NSLRSDA)* Committee, which advises the Secretary on issues related to long-term archiving of Earth-oriented satellite data. Budge is one of the founding members and past President of the New Mexico Geographic Information Council (NMGIC), she currently serves as Vice-President and a Board member. She also represents the State of New Mexico on the National States Geographic Information Council (NSGIC). Budge's activities in ASPRS include: (1) member of GISD; (2) past Director of GISD (1997-1999); (3) appointed Chair, Data Preservation and Archive Committee (1994-present), (4) Deputy Chair, ASPRS/ACSM Fall Conference and Exhibition, Albuquerque, 1992; (5) Co-Editor on *Earth Observing Platforms and Sensors*, Manual of Remote Sensing, 3rd Edition; (6) Delegate to the University Consortium for Geographic Information Science (UCGIS) during 1999 and 2000; (7) Technical Secretary, ISPRS Commission-I (2000-2004); and (7) Member of the Technical Program Committee, ASPRS Pecora-15/ISPRS Commission-I Conference, Denver, CO, 2002.



(L-R) Don Lauer and Clive Fraser

**Professor Clive Fraser** receives this award for his contributions to photogrammetry in the area of publications and research support activities. He is currently a Professor in the Dept. of Geomatics at The University of Melbourne.

His particular areas of interest are in digital photogrammetric mapping, industrial photogrammetric measurement systems and the exploitation of high-resolution satellite imagery for geospatial information generation. On the industry side, he is involved with the development of innovative image-based spatial IT products and he served in a part-time capacity from 1998–2001 as Technical Director of Geomatic Technologies Pty Ltd, a spatial information company based in Melbourne. Prior to his current appointments, Fraser served as Reader and Head of the Department of Geomatics from 1993 to mid 1998, and prior to joining the University of Melbourne he was for 10 years Vice President of Geodetic Services, Inc. in Florida.

Fraser is a Fellow of the Australian Academy of Technological Sciences and Engineering and in recognition of his academic and professional work he has earned numerous international awards including the President's Medal and the President's Prize from the Photogrammetric Society of the UK. He is a Fellow of both The Photogrammetric Society and the Institution of Engineers Australia. Fraser has a number of active international research and industry collaborations, and he serves as a consultant to industry in Australia, Japan, the US and Europe. He also serves on the Editorial Boards of four of the leading international journals dealing with photogrammetry and remote sensing and he has authored more than 200 publications.

Fraser was first Certified as a Photogrammetrist in 1986. His most notable contributions to the Society include service as the Associate Editor of *Photogrammetric Engineering & Remote Sensing (PE&RS)* from 1987 to 1992, as author of a chapter in the *ASPRS Manual of Non-Topographic Photogrammetry* in 1989. He is currently involved in contributing to two of the chapters for the forthcoming edition of the *ASPRS Manual of Photogrammetry*. Since his first publication in *PE&RS* in 1980, Fraser has published a total of 20 scientific papers in the journal and continues to contribute papers every year. In addition to these publications, he has presented papers at 16 ASPRS Annual and Fall Meetings since his first attendance at such a meeting in 1978.

**Dr. Paul F. Hopkins** receives this award posthumously for his contributions as an educator and researcher in the field. Hopkins was a tenured professor at the School of Environmental Resources and Forest Engineering at the State University of New York College of Environmental Science and Forestry (SUNY ESF) and Director of ESF's Council for Geospatial Modeling and Analysis. He had a passion for teaching and he derived great pleasure in communicating the benefits of the mapping sciences to anyone who would listen. He was willing to teach everything from elementary surveying and map interpretation to advanced remote sensing and GIS. His research and consulting focused on the application of airborne and satellite imagery to forest management issues with a keen interest in geometric and radiometric integrity of remotely sensed data. He sought and received support for multiple sources including the U.S. Forest Service, National Science Foundation, NASA, NOAA, and many state

and county agencies. He had close to 50 publications and presentations to his credit.

Hopkins was a hard working and energetic member and participant both nationally and locally in ASPRS since 1977 and was a Certified Photogrammetrist. His service included but was not limited to Chairmanship of the ASPRS Strategic Planning and Membership Committees and as a core and charter member of the Electronic Communications Committee. He was the National Director of the Central New York (CNY) Region, from 1987-93 and served on the Executive Committee from 1989-93. Hopkins was Vice President, and twice President of the CNY Region as well as a long time member of the Region Council. He regularly and actively participated in the ASPRS annual and regional meetings and helped establish and direct the New York State GIS Conference Co-sponsored by ASPRS and The CNY Region. He was instrumental in establishing the William Johnson Memorial Fund after Bill's untimely passing. Hopkins received the ASPRS Meritorious Service Award in 1990 and 1993, the Ford Bartlett Award in 1992, was the first recipient of the Altenhofen Memorial Scholarship, and was the winner of the First Place Student Award from the Western Great Lakes Region.



(L-R) Don Lauer and Elias Johnson

**Dr. Elias Johnson** receives this award for his distinguished career of contributions to remote sensing and photogrammetry education. He is teaching his final semester as Professor of Geography, Department of Geography, Geology, and Planning at the Southwest Mis-

souri State University (SMSU.) Johnson has taught photogrammetry, remote sensing, aerial photography interpretation, cartography, and thematic mapping courses at both the graduate and undergraduate levels since 1977 at SMSU. He received numerous honoraria, research grants, and sabbatical leaves all related to his continued interest in the varied disciplines of geography and cartography. Johnson's research interests included land cover analysis using image processing and GIS, as well as advanced photogrammetric and remote sensing procedures for regional mapping. He has steadily published throughout his career including SMSU "in-house" as well as domestic and international publications. He remains active in research as evidenced by his co-authored publication in the *Journal of Arid Environments* (accepted 2 April 2003). He has also co-authored a presentation at the American Geophysical Union Convention (December, 2003) and co-authored a chapter, *Climate of North America*, in the *Encyclopedia of Climatology* since his retirement. Johnson was a primary developer of SMSU's Institute of Resource Planning and Management and served as a consultant to the City of Springfield on aerial photography interpretation issues.

Johnson played a principal role in developing and modernizing the Cartography and Map Technology program at SMSU. He worked closely with U. S. Geological Survey and National Imagery and Mapping Agency personnel to design and modify the curriculum. He developed a cartography minor for the university in 1984. He works continuously with companies and individuals in the GIS industry to ensure his students are involved with state-of-the-art techniques, processes, materials, and equipment.

For more than 30 years, Johnson provided support and assistance to ASPRS and the State of Missouri in advancing applications of the mapping sciences. He has demonstrated continued long-time service to ASPRS, and has won ASPRS' Ford Bartlett Membership Award five times. He served on the Society's Student Activities Committee for three consecutive years. Professor Johnson was also instrumental in establishing the SMSU Student Chapter, Central Region of ASPRS in 1986 and served as faculty advisor for a dozen years. He served as the faculty sponsor of the campus Environmental Education Committee and Gamma Theta Upsilon (GTU — an international honor society in geography) for three years each — both of which use advanced geospatial information technology. In 1989, the Rolla Region (now the Central Region) honored Johnson with the Outstanding Member Award.

**Donor:** ASPRS

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



Paul C. Sutton

**Paul C. Sutton, Chris Elvidge, and Tom Obremski** for their paper, "Building and Evaluating Models to Estimate Ambient Population Density," (*PE&RS*; 69-5, pp 545-552).

**Donor:** Boeing Autometric, Inc.

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



Douglas Stow, 3<sup>rd</sup> Place

**1st place - Ross Nelson, Geoffrey Parker, and Milton Hom** for their paper, "A Portable Airborne Laser System for Forest Inventory." (*PE&RS*; 69:3, pp 267-273)

**2nd place - Marco Albani and Brian Klinkenberg** for their paper, "A Spatial Filter for the Removal of Striping Artifacts in Digital Elevation Models" (*PE&RS*; 69:7, pp 755-765)

**3rd place - DongMei Chen and Douglas Stow** for their paper, "Strategies for Integrating Information from Multiple Spatial Resolutions into Land Use/Land Cover Classification Routines" (*PE&RS*; 69:11, pp1279-1287)

**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.

**Donor:** International Geographic Information Foundation

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

**1st Place - John Rogan, Jennifer Miller, Doug Stow, Janet Franklin, Lisa Levien and Chris Fischer** for "Land-Cover Change Monitoring with Classification Trees Using Landsat TM Ancillary Data," (*PE&RS*; 69-7, pp 793-804).



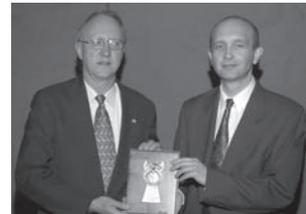
(L-R) John Rogan, David McKay - presenting on behalf of Leica, and Douglas Stow, 1<sup>st</sup> place



Ling Bian, 3<sup>rd</sup> place



(L-R) Arie Croitoru and Yerach Doytsher, Grand Award



(L-R) Gene Dial and Jacek Grodecki, First Honorable Mention

**2nd Place - Annemarie Schneider, Mark A. Friedl, Douglas K. McIver and Curtis E. Woodcock** for "Mapping Urban Areas by Fusing Multiple Sources of Coarse Resolution Remotely Sensed Data," (*PE&RS*; 69-12, pp 1377-1386).

**3rd Place - Ling Bian** for "Retrieving Urban Objects Using a Wavelet Transform Approach," (*PE&RS*; 69-2, pp 133-141).

**Donor:** Leica Geosystems, Inc.

## The ESRI Award for Best Scientific Paper in GIS



(L-R) Russell Congalton, 2<sup>nd</sup> Place and Carl Silvester - presenting on behalf of ESRI.

**1st Place - Anthony Gar-On Yeh and Xia Li** for their paper, "Simulation of Development Alternatives Using Neural Networks, Cellular Automata, and GIS for Urban Planning," (*PE&RS*; 69-9, pp.1043-1052).

**2nd Place - Lucie Plourde and Russell G. Congalton** for their paper, "Sampling Method and Placement: How

Do They Affect the Accuracy of Remotely Sensed Maps?" (*PE&RS*; 69-3, pp.289-297).



(L-R) Ross Lunetta, Alexa McKerrow, and John Iiames, 3<sup>rd</sup> Place

**3rd Place - Ross S. Lunetta, Jayantha Ediriwickrema, John Iiames, David Johnson, John G. Lyon, Alexa McKerrow, and Andrew Pilant** for their paper "A Quantitative Assessment of a Combined Spectral and GIS Rule-Based Land-Cover Classification in the Neuse River

Basin of North Carolina," (*PE&RS*; 69-3, pp.299-310).

**Donor:** Environmental Systems Research Institute, Inc. (ESRI)

## Talbert Abrams Award

**Grand Award: Arie Croitoru and Yerach Doytsher**, "Monocular Right-Angle Building Hypothesis Generation in Regularized Urban Areas by Pose Clustering," (*PE&RS*; 69-2, pp.151-169).

**First Honorable Mention: Jacek Grodecki and Gene Dial**, "Block Adjustment of High-Resolution Satellite Images Described by Rational Polynomials," (*PE&RS*; 69-1, pp. 59-70).



(L-R) Ayman Habib, Second Honorable Mention

**Second Honorable Mention: Ayman F. Habib, Young-ran Lee and Michel Morgan**, "Automatic Matching and Three-Dimensional Reconstruction of Free-Form Linear Features from Stereo Images," (*PE&RS*; 69-2, pp. 189-197).

**Donor:** Talbert and Leota Abrams Foundation

## William A. Fischer Memorial Scholarship

**Carl J. Legleiter**, currently a Ph.D. student with the Department of Geography at the University of California Santa Barbara, has been selected to receive the 2004 William A. Fischer Memorial Scholarship. Legleiter is being presented this award in recognition of his outstanding academic credentials and his very impressive record of research, publications, and service in applied remote sensing. Legleiter's research will apply high spectral and spatial resolution data, geostatistical analysis, and hydrologic modeling to examine channel dynamics and riverine ecology. The results of his work utilizing these new approaches should make an important contribution to our ability to apply remote sensing to the characterization, monitoring, and preservation of river systems. The Award Review committee wishes Mr. Legleiter much success and is confident that his current and future research efforts will continue to make important contributions to the remote sensing community.

**Donor:** Individual and corporate contributions to the International Geographic Information Foundation in memory of William A. Fischer.

## Robert E. Altenhofen Memorial Scholarship



Ayman Habib accepted on behalf of Michel Morgan

**Michel Morgan** is a doctoral candidate at the University of Calgary, Department of Geomatics Engineering, with a concentration on photogrammetry. He has an extremely strong background in theoretical and mathematical photogrammetry. He also has an exceptional list of refereed publications and was the lead author in seven proceedings papers. He provided an excellent proposal for continuing studies, and has excellent faculty references including his faculty advisor, Associate Professor Dr. Ayman Habib.

**Donor:** The late Robert E. Altenhofen and Family

## Ta Liang Memorial Award

**Ryan L. Perroy's** selection was based on his academic achievements, planned program of research-related travel, and extracurricular activities. Perroy received a B.S. in Physics from The College of William and Mary, and is presently enrolled in an M.S./Ph.D. program in Remote Sensing/Soil Science at the University of California, Santa Barbara. He has maintained consistently excellent grades throughout his academic career. In addition, he has been involved in a variety of significant extracurricular service activities. Perroy's research involves the use of remote sensing to develop a methodology for identifying areas in rural Albania that are seriously affected by erosion based on soil reflectance characteristics and vegetation. He has identified a research problem that is both tractable and of obvious value to the country. The award will be used to defray the expense of travel to Albania for fieldwork related to his thesis.

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

## Paul R. Wolf Memorial Scholarship



Ji Sang Park

**Ji Sang Park** has been selected to receive the 2004 Paul R. Wolf Memorial Scholarship. Park is being presented this award in recognition of his outstanding academic credentials and his plans and enthusiasm to become an education professional in surveying, mapping, and photogrammetry. Park is currently a Ph.D. student with the Department of Civil and Environmental Engineering, Geo-spatial Information Engineering Program at the University of Wisconsin-Madison.

He has demonstrated and has been recognized, at all levels, for his continued interest, dedication, enthusiasm, and aptitude to become an education professional. The committee wishes Mr. Park much success and is confident that his current and future education efforts will continue to make important contributions to the surveying, mapping and photogrammetry community.

**Donor:** This Award is administered by ASPRS from funds donated by the friends and colleagues of Paul R. Wolf as a memorial to him.

## Space Imaging Award for the Application of High Resolution Digital Satellite Imagery



(L-R) Jason Janke and Qian Yu with Gene Dial presenting on behalf of Space Imaging

Flow using Temporal Digital Orthophotos and IKONOS Imagery." The objective of Janke's study is to establish procedures for detecting Rocky Mountain glacier movement using a unique combination of GIS and photogrammetry and high-resolution IKONOS satellite imagery. The study will provide automated procedures for glacier mo-

**Jason Janke** is a Ph.D. student in Geography (GIS and geomorphology) at the University of Colorado at Boulder. His area of interest is the integration of geospatial data, remote sensing and GIS for applications in geomorphology. His project title is "An Analysis of Rock Glacier

tion detection, assess the uncertainty of motion measurements, provide a better understanding of long-term horizontal/vertical glacier movement on a regional scale and uncover potential evidence of climate change. This proposal was very well-written, included well-developed methods and is adequately documented with references. Mr. Janke is an excellent student and already has several publications in the field of rock glacier movement.

**Qian Yu** is a Ph.D. student in remote sensing at the University of California at Berkeley. Her area of interest is remote sensing applications in ecosystem studies. Her project title is "Comparison of IKONOS and EO-1 Hyperion Data for Estimating Leaf Area Index and Forest Crown Closure." Yu will compare the use of Hyperion hyperspectral and IKONOS imagery for estimating leaf area index (LAI) and crown closure (CC), both critical structural parameters of forests that are used to quantify energy and mass exchange characteristics of terrestrial ecosystems (e.g., photosynthesis, respiration, transpiration and carbon/nutrient cycles). Field work has been conducted to collect LAI and CC measurements for a forest in the Sierra Nevada mountain range and field measurements will be compared to estimates derived from hyperspectral and high-resolution image data. Results are expected to improve LAI and CC estimations from remotely sensed data and assess the spatial and spectral advantage of combining hyperspectral Hyperion data with multispectral IKONOS images for measuring LAI and CC. The proposal has strong support from Ms. Yu's institution and major professor, includes a well-developed methodology and is well written.

**Donor:** Space Imaging, Inc.

## The Leica GeoSystems Internship

**Cameron Ellum**, a PhD candidate in the University of Calgary's Department of Geomatics Engineering, has been selected as the recipient of the 2004 Leica Geosystems Internship, an eight-week intensive program open to graduate students in photogrammetry and remote sensing, designed to augment the participants' existing research. Ellum will have the opportunity to work in a commercial environment on a project which will utilize his research in integrating GPS and photogrammetric measurements. Leica Geosystems is looking forward to his internship and to exposing their engineers to some of his fresh ideas.

**Donor:** This internship is presented by ASPRS, with funding provided by Leica GeoSystems.

## Z/I Imaging Scholarship



(L-R) Kristin Eickhorst and Terry Keating - presenting on behalf of Z/I Imaging

**Kristin Eickhorst**, currently a Ph.D. student in Spatial Information Science and Engineering at the University of Maine, working under the guidance of Prof. Peggy Agouris, has been selected to receive the 2004 Z/I Imaging Scholarship. Her research is focused on developing novel automated methods for image-based spatio-temporal information representation. She is currently working on a project funded by the National Science Foundation and is also collaborating with NASA scientists to apply her Ph.D. work to forecasting the movement of invasive plant spe-

cies. This collaboration draws on Eickhorst's undergraduate background in environmental science and biology. In addition to being a good researcher, Eickhorst has been an excellent student, maintaining perfect grades and an active presence in departmental activities, teaching lab sections of senior- and graduate-level image processing and remote sensing classes, and conducting workshops for visiting high school students. Eickhorst has also been involved in outreach to the larger community through her work as coordinator of volunteers for ACSM and ASPRS national conferences. The committee wishes Ms. Eickhorst further success in her career in advancing spatial information sciences.

**Donor:** Z/I Imaging

### KODAK International Educational Literature Award



(L-R) Appollonia Okhimamhe accepts the award on behalf of her university from Kodak's Tom Brennan.

**The Department of Geography of the Federal University of Technology, Minna** offers an undergraduate program in applied geography with options in Remote Sensing Applications and Applied Meteorology. Masters degrees are also offered in remote Sensing Applications, Applied Meteorology and Environmental Management. Lectures and laboratory exercises are conducted in the Digital Processing and Geographic Information Systems (DIP/GIS) laboratory and the Geography laboratory. These labo-

ratories house tutorial materials on remote sensing, geographic information systems and meteorology. There are plans to keep expanding and improving on the available facilities for the benefit of the academic community.

The University Library Services Department was established in 1984 for teaching and research work for the University and the immediate community. The Department of Geography has set up a Departmental Library where the ASPRS, ESRI, and Wiley publications and *PE&RS* will be catalogued and available to the students and staff.

**Donors:** Eastman Kodak Company, with supplemental support from ASPRS, ESRI, and John Wiley and Sons, Publishers.

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

**Donald T. Lauer**

**Donor:** ASPRS



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Space Imaging Award for Application of High Resolution Digital Satellite Imagery  
Paul R. Wolf Memorial Scholarship  
Z/I Imaging Scholarship