AWARDS AND SCHOLARSHIPS

The following awards and scholarships were presented at the ASPRS 2014 Annual Conference in Louisville, Kentucky. Awards for Outstanding Papers, Professional Achievement, Service and Region activities are determined by committee selection; scholarships and academic awards are also determined by committee selection but are chosen from among current applications. For details on the application process, see: http://www.asprs.org/ASPRS-Awards-and-Scholarships.html.

ASPRS Honorary Member

Recipients: John R. Jensen and Stanley A. Morain

Complete biographical information can be found at: http://www.asprs.org/Press-Releases/ASPRS-Selects-John-R-Jensen-and-Stanley-Morain-as-Honorary-Members.html

Dr. John R. Jensen is a Carolina Distinguished Professor Emeritus in the Department of Geography at the University of South Carolina. He majored in physical geography, cartography and remote sensing at California State University at Fullerton, where he received a BA in 1971. He went on to receive his MA from Brigham Young University in 1972 and a PhD from the University of California at Los Angeles (UCLA) in 1976. While attending UCLA, he worked as a photogrammetric stereo-plotter operator at Aero Service Corporation in Beverly Hills, CA. In 1977, he accepted a professorship at the University of Georgia. In 1981, he went to the University of South Carolina as an Associate Professor and helped develop the PhD program in GIScience. He has been an ASPRS Certified Photogrammetrist since 1991.

 Jensen has made lasting contributions to the field of remote sensing and GIScience in the geographical, environmental, biophysical and urban sciences through his research, publications, leadership, and undergraduate and graduate teaching. He taught hundreds of undergraduate students and mentored 62 Masters and 35 PhD graduate students to completion at the University of South Carolina. In effect, he helped educate a generation of remote-sensing scientists who are now making significant contributions in academia, government and industry.

 He has published more than 140 articles in refereed journals including 20 in *Photogrammetric Engineering & Remote Sensing* and has received numerous ASPRS best scientific and practical paper awards. He and his graduate students presented more than 300 papers to learned societies with many published in proceedings volumes. He was the editor of the journal *GIScience & Remote Sensing* from 2004 – 2013 and served on several other journal editorial boards.

 He is well known as the author of two widely used remote-sensing and digital image processing textbooks: *Remote Sensing of the Environment* (2nd Ed.; 2007) and *Introductory Digital Image Processing: A Remote Sensing Perspective* (3rd Ed., 2005; 4th Ed., in press), that ushered in a new era of remote sensing education at numerous universities around the world. In 2013, he co-authored *Introductory Geographic Information Systems* with his son, Ryan Jensen.

 He was a contributor to the ASPRS *Manual of Remote Sensing* (1st Ed., 1975; 2nd Ed., 1983), *Digital Photogrammetry* (1996); *Manual of Photographic Interpretation* (2nd Ed., 1997), *Manual of Remote Sensing: Remote Sensing of Human Settlements* (3rd Ed., Vol. 5; 2005), and *Manual of Remote Sensing: Earth Observing Platforms & Sensors* (3rd Ed., Vol. 1.1; 2009). He is a contributing author on ten (10) remote sensing-related scientific reports published by the National Research Council, National Academy Press.

 He received the ASPRS Alan Gordon Memorial Award in 1989. He served as President of ASPRS from 1995 to 1996. He received the ASPRS Autometric Award in 1996. Jensen received the ASPRS Fellow Award in 1998 and the SAIC/Estes Memorial Teaching Award in 2004. He received the William T. Pecora Award from NASA in 2006 for his lifetime accomplishments in remote sensing science. He received the AAG Lifetime Achievement Honor for his work in remote sensing and GIScience in 2009.

Dr. Stanley Morain received his PhD in Geography from the University of Kansas in 1970 and was an Assistant Professor there until 1974. From 1974 to 2008, he progressed from Associate to Full Professor of Geography at the University of New Mexico (UNM) while also serving as Director of UNM's Earth Data Analysis Center (EDAC) from 1976 until his retirement in 2008.

 For over 38 years, Morain carved a distinguished career in remote sensing recognized locally, nationally, and

(l-r). Steve DeGloria, Stan Morain, and Haluk Cetin.

internationally. His contributions focused on educating his students and developing professional ties to research communities in many developing countries on the applications of remote sensing in several societal benefit areas, but primarily in agriculture, transportation, and public health. In pursuit of his vision, he worked with many research teams and governments in Latin America, Asia, and Africa.

Recently, Morain's expertise in remote sensing has been directed toward sustainable transportation, public health, and archeological studies of early agricultural systems. He led a consortium of three universities, a federal lab, and several industry partners to insert remote sensing and geospatial technologies into projects aimed at assessing transportation safety/hazards/disasters/ and security in the US, China and India. He organized and participated in several workshops dedicated to these topics in both the U.S. and abroad. He was instrumental also in developing a bi-national agreement focusing on remote sensing and geospatial technologies for transportation cooperation between US/DOT and the China Academy for Transportation Sciences, signed by both parties in January 2005.

A large part of Morain's career has been as a Professor in the Department of Geography at UNM. During his tenure, he served twice as Chair of the Department (1983–1992) and (2003–2006). His courses focused on theory and applications of remote sensing, and biogeography. As an educator, he influenced the careers of over 50 students who have been gainfully employed in geospatial technologies. He authored, edited, and/or contributed to numerous publications on applications of remote sensing in agriculture, natural resources, and vegetation mapping.

In addition to these contributions, Morain has served this community through his involvement in ASPRS and the International Society for Photogrammetry and Remote Sensing (ISPRS). He is a Certified Photogrammetrist, an elected Fellow, past editor of *PE&RS*, and past president of ASPRS. In ISPRS he is a past president of Commission I (Platforms, Sensors, and Imagery), served as a council member and treasurer, and as technical secretary in Commission VIII, Working Group 2 (health). He also has been active in the International Council for Science (ICSU), and the intergovernmental Group on Earth Observations/ User Interface Committee (GEO/UIC). He is an elected Fellow in the Geology/Geography Section of the American Association for the Advancement of Science (AAAS). During his career, he has been recognized by the community through numerous awards and citations for his service.

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The Honorary Member is the highest award an ASPRS member can receive, and there are only 25 living Honorary Members of the Society at any given time. Candidates are chosen by a Nominating Committee made up of the past

five recipients of the award and chaired by the most recent recipient. Initiated in 1937, this life-time award is given in recognition of individuals who have rendered distinguished service to ASPRS and/or who have attained distinction in advancing the science and use of the geospatial information sciences. It is awarded for professional excellence and for at least 20 years of service to ASPRS.

Purpose: to recognize an individual who has rendered distinguished service to ASPRS and/or who has attained distinction in advancing the science and use of the mapping sciences. It is awarded for professional excellence and for service to ASPRS and consists of a plaque and a certificate.

Donor: The ASPRS Foundation

ASPRS Outstanding Technical Achievement Award

The award will not be given this year.

The ASPRS Outstanding Technical Achievement Award was introduced for the first time in 2012. This Award consists of a silver presentation plaque mounted on a walnut wood panel plus a check for $5,000.

Purpose: This generous grant is designed to reward the developer[s] of a specific breakthrough technology which causes quantum advances in the practice of photogrammetry, remote sensing or geographic information systems in the United States.

The Photogrammetric (Fairchild) Award

Recipient: Riadh Munjy

The 2014 Photogrammetric Award (Fairchild) is awarded to Riadh Munjy, Ph.D., P.E., in recognition of his major contributions to the science and art of photogrammetry. His contributions include camera self-calibration and advancing and leading the transition from conventional aerial triangulation to airborne-controlled aerial triangulation; both of which are implemented in the well respected and utilized commercial aerial triangulation package, ISBBA. Munjy is also credited for the introduction

(l-r). Steve DeGloria, Riadh Munjy, and Haluk Cetin.

of the finite element approach for sensor calibration in photogrammetry, the introduction of an analytical approach to color balancing and enhancement of digital imagery, and the development of full processing work flow for the GeoSAR system. Munjy received his BSc in Civil Engineering from the University of Baghdad in 1976. He earned a master's degree in Civil Engineering, M.S.C.E, and a second master's degree in Applied Mathematics, MS, from the University of Washington, Seattle, in 1979 and 1981, respectively. Munjy received his PhD in Civil Engineering and photogrammetry from the University of Washington in 1982. Munjy is currently a full professor and the Geomatics Engineering Program Coordinator at the California State University – Fresno, where he has served as professor since 1982. Throughout his career, he has also served as a well-respected consultant to numerous national and international organizations, providing a diverse range of expertise in mapping and photogrammetry. As a professor, Munjy has supervised hundreds of students studying in the field of geomatics, published numerous peer-reviewed papers in a wide range of technical journals in the field of photogrammetry and served as the Associate Editor for Theoretical and Applied Photogrammetry for *Photogrammetric Engineering and Remote Sensing (PE&RS),*(1991 – 1996). Munjy's past achievements and awards include: the School of Engineering Faculty Award for Research Excellence (1996, 1998, 2002, 2003), the Caltrans Research Innovation Award (March 2004), the Halliburton Research Award (1992), and the ASPRS Meritorious Service Award (1992 and 1997). Munjy is an outstanding professional photogrammetrist whom the Society recognizes with the Photogrammetric Award for his excellent and far reaching achievements.

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Purpose: The Photogrammetric (Fairchild) Award is designed to stimulate the development of the art of aerial photogrammetry in the United States. Practicability is the essence of the Award and is the basis for the review of all candidates.

Donor: The ASPRS Foundation and Lockheed Martin

The award consists of a silver presentation plaque mounted on a walnut wood panel and an engraved plaque.

Boeing Award for Best Paper in Image Analysis and Interpretation

Recipients: Shunyi Zheng, Rongyong Huang, and Yang Zhou for "Registration of Optical Images with Lidar Data and Its Accuracy Assessment," *PE&RS*, 79 (8), 731-741.

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Purpose: Established in 1965 as the Autometric Award, this grant recognizes development and achievement in
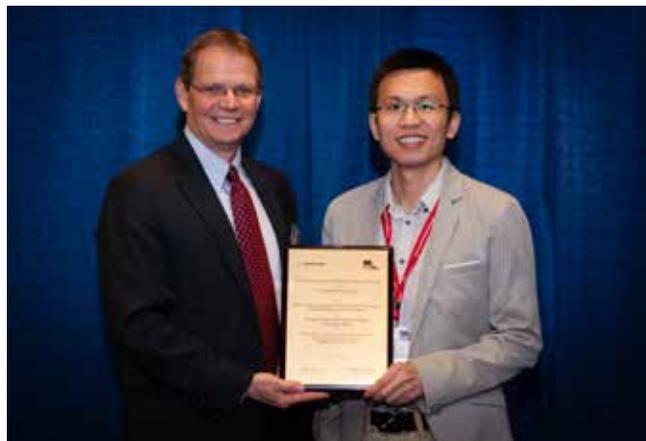
(l-r). Boeing rep, Don Vance with Jie Shan accepting for the winners.

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

The Award includes an inscribed plaque and a cash award of $1,000.

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

Recipients:

First Place: Shunyi Zheng, Rongyong Huang, and Yang Zhou for "Registration of Optical Images with Lidar Data and Its Accuracy Assessment," *PE&RS*, 79 (8), 731-741.

Second Place: David Hernandez-Lopez, Beatriz Felipe-Garcia, Diego Gonzalez-Aguilera, and Benjamin Arias-Perez for "An Automatic Approach to UAV Flight Planning and Control for Photogrammetric Applications: A Test Case in the Asturias Region (Spain)," *PE&RS*, 79 (1), 87-98.

Third Place: Bo Wu, Han Hu, Qing Zhu, and Yeting Zhang for "A Flexible Method for Zoom Lens Calibration and Modeling Using a Planar Checkerboard," *PE&RS* 79 (6), 555-571.

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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

The First Place award includes an engraved pewter tankard, a cash award of $500 and a hand-engrossed certificate; Second Place is a cash award of $300 and a hand-engrossed certificate; Third Place is a cash award of $200 and a hand-engrossed certificate.

Yearbook

ERDAS Award for Best Scientific Paper in Remote Sensing

Recipients:

First Place: Marek Jakubowksi, Qinghua Guo, Brandon Collins, Scott Stephens, and Maggi Kelly for "Predicting Surface Fuel Models and Fuel Metrics Using Lidar and CIR Imagery in a Dense, Mountainous Forest," *PE&RS*, 79 (1), 37-49.

Second Place: Ruirui Wang, Jianwen Ma, Huaguo Huang, and Wei Shi for "Improved Nonsubsampled Contourlet Transform for Multi-sensor Image Registration," *PE&RS*, 79 (1), 51-66.

(l-r). Meghan Graham MacLean and Russell G. Congalton

Third Place: Meghan Graham MacLean and Russell G. Congalton for "Applicability of Multi-date Land Cover Mapping using Landsat5TM Imagery in the Northeastern US," *PE&RS*, 79 (4), 359-368.

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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 and returned to ERDAS sponsorship in 2009. This award encourages and commends individuals who publish papers of scientific merit that advance our knowledge of remote sensing technology.

Donor: ERDAS through the ASPRS Foundation

The ERDAS Award first prize is $500 and a hand-engrossed certificate; second prize is $300 and a hand-engrossed certificate; third prize is $200 and a hand-engrossed certificate.

The Esri Award for Best Scientific Paper in GIS

Recipients:

First Place: Zhenyu Lu, Jungho Im, Lindi J. Quackenbush, and Sanglim Yoo for "Remote Sensing-based House Value Estimation Using an Optimized Regional Regression Model," *PE&RS*, 79 (9), 809-820.

(l-r). Lindi Quackenbush with Esri representative Lawrie Jordan.

Second Place: Joann W. Harvey and Edwin J. Green for "Illustrating the Temporal Progress of Environmental Change," *PE&RS*, 79 (12), 1159-1170.

(l-r). Joann Harvey with Esri representative Lawrie Jordan.

Third Place: Eugenio Y. Arima, Robert T. Walker, and Dante G. Vergara for "Assessing the Performance of Linear Feature Models: An Approach to Computational Inference," *PE&RS*, 79 (9), 847-855.

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

Donor: Endowed by Esri, Inc. through the ASPRS Foundation

The Esri Award first prize is $1,000 and a hand-engrossed certificate; second prize is $600 and a hand-engrossed certificate; third prize is $400 and a hand-engrossed certificate.

The Talbert Abrams Award

Recipients:

Grand Award: Min Chen and Zhenfeng Shao for "Robust Affine-Invariant Line Matching for High Resolution Remote Sensing Images," *PE&RS*, 79 (8), 753-760

Clive Fraser

Ayman Habib

First Honorable Mention: Clive S. Fraser for "Automatic Camera Calibration in Close Range Photogrammetry," *PE&RS*, 79 (4), 381-388.

Second Honorable Mention: M. Al-Durgham and A. Habib for "A Framework for the Registration and Segmentation of Heterogeneous Lidar Data," *PE&RS*, 79 (2), 135-145.

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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

The award consists of a check for $3,000 and an engraved plaque for the Grand Award, and an award certificate for the First and Second Honorable Mentions.

Robert E. Altenhofen Memorial Scholarship

Recipient: Jacky Chow

Jacky Chow is a doctoral candidate at the University of Calgary, Department of Geomatics Engineering, with a specialization in 3-D close-range photogrammetry. He has an extremely strong background in photogrammetry and geomatics. He has nine refereed publications and numerous other papers. He proposes to apply sensor fusion and positioning to close-range 3-D applications. He has two excellent academic letters of recommendation, has served as a teaching assistant and as a graduate research associate, and has been very active professionally. His faculty advisor is Professor Derek Lichti.

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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.

The Altenhofen Scholarship consists of a check for $2,000 and a hand-engrossed certificate.

Abraham Anson Memorial Scholarship

Recipient: Michelle Andrews

Michelle Andrews

Michelle Andrews is selected as the sixth recipient of Abraham Anson Memorial Scholarship. Andrews is finishing up her Bachelor of Arts degree in Geography at Clark University, Worcester, Massachusetts. She has been the recipient of several previous academic honors, awards and scholastic achievements. Andrews is an excellent student as evidenced by her high overall GPA and research work in her undergraduate studies. She has been on the Dean's list in all semesters and is a Member of Gamma Theta Upsilon Honor Society. She is the recipient of an Ellen C. Semple Scholarship, a merit based award renewed annually based on academic performance. She is also the recipient of the Clark University Human Environmental Observatory (HERO) Fellowship, 2014-14. Andrews has gained excellent experience as a research assistant and in peer-assistance to GIS and remote sensing students. Andrews is expected to graduate in 2014 and plans to continue studies in the graduate program in Geographic Information Science at Clark University.

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Purpose: To encourage students who have an exceptional interest in pursuing scientific research or education in geospatial science or technology related to photogrammetry, remote sensing, surveying and mapping to enter a professional field where they can use the knowledge of their discipline to excel in their profession.

Donor: This award is presented by the ASPRS Foundation from funds donated by the Anson bequest and contributions from the Society and the Potomac Region as a tribute to Abe Anson's many contributions to the field of photogrammetry, remote sensing, and long, dedicated service to the Society.

The award consists of a certificate, a check in the amount of $2,000 and a one-year student membership (new or renewal) in the Society.

John O. Behrens Institute for Land Information (ILI) Memorial Scholarship

Recipient: Ann Marie Rowland

Anne Marie Rowland is selected as the sixth annual recipient of the John O Behrens ILI Memorial Scholarship. Rowland is a person who exemplifies the combination of practical experience and education with the pursuit of excellence in geospatial science and land information systems. She demonstrates the commitment, dependability and motivation as exemplified

Caixia Wang accepting for Ann Marie Rowland

by John O. Behrens. She also demonstrates her own exceptional interest in pursuing scientific research and education in geospatial and land information science and technology and applying it to a career in remote route reconnaissance. Rowland is an excellent student with an outstanding grade point average. Her goals include completing her academic studies and pursuing a professional career in surveying and engineering. Rowland has been an active leader in student organizations, and has demonstrated success in work experiences as an Intern and Field Technician. It is with pleasure that the 2014 John O. Behrens ILI Memorial Scholarship is awarded to Anne Marie Rowland of the University of Alaska Anchorage.

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The John O. Behrens ILI Memorial Scholarship was established by the Institute for Land Information (since officially dissolved) as a tribute to the many contributions of Mr. Behrens to the field of geographic and land related information and technology. John O. Behrens was a founder of the ILI and the author of many articles about the value of spatial information, land assessment and taxation, and land information policy. In recognition of Mr. Behrens outstanding contributions over his distinguished career, funds from the ILI have been donated to the ASPRS Foundation to be administered for the John O. Behrens ILI Memorial Scholarship.

Purpose: To encourage students/persons who have an exceptional interest in pursuing scientific research or education in geospatial science or technology or land information systems/records to enter a professional field where they can use the knowledge of this discipline to excel in their profession.

Donor: The ASPRS Foundation from funds donated by the ILI.

The Award consists of a certificate and a check in the amount of $2,000 and a one-year student or associate membership (new or renewal) in ASPRS.

Robert N. Colwell Memorial Fellowship

Recipient: Michael Alonzo

Michael Alonzo is a PhD candidate at the University of California, Santa Barbara (UCSB). After completing an MA in Geography degree at the University of Denver, Alonzo worked with a non-profit organization in Washington, DC that is committed to urban forestry and restoring and protecting the city's trees. Alonzo's research led him to recognize the need to

Michael Alonzo

improve the remote sensing inputs that are used in urban eco-system models. His PhD research goal is to integrate imaging spectroscopy (hyperspectral remote sensing) with high point-density lidar data to leverage limited samples of urban trees into a wall-to-wall, spatially explicit urban forest inventory. Achieving this research goal will address a major unresolved problem: what is the role of trees in an urban environment and how can we quantify their importance? His longer term career goal is to develop remote sensing research methods and operational spatial products that lead to more livable and sustainable cities. He has already published a paper in which he demonstrates very high accuracy in discriminating three tree species using Canonical Discriminant Analysis (CDA) applied to 4-meter AVIRIS hyperspectral data. He is finishing a second manuscript in which he describes an entirely new approach for segmenting tree crowns and locating tree trunks using waveform lidar data. One of the key analyses he has made is to determine the added value of lidar to hyperspectral data. Alonzo's results show that certain tree species are classified with higher accuracy using lidar data whereas some larger trees do not benefit from this technology. Alonzo has also been recognized for excellence as a teaching assistant, graduate student mentor, undergraduate supervisor, and for maintaining laboratory research facilities. He served as the 2012-2013 President of the ASPRS Student Chapter at UCSB.

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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 Award now consists of a grant of $6,000 and a one-year student or associate membership (new or renewal) in ASPRS

The DigitalGlobe Foundation Award for the Application of High Resolution Digital Satellite Imagery

Recipient: Matthew Dannenberg

Dannenberg is a PhD student in the Geography program at University of North Carolina at Chapel Hill, specializing in remote sensing, forest ecosystems, and dendroclimatology. Dannenberg has been selected to receive a Digital Globe Foundation data grant for his graduate work on his project "Seasonal Tree Growth and Satellite Vegetation Indices: A Case Study in Eight Ponderosa Pine Forests in the Columbia River Basin, Washington, USA." Tree rings and remotely sensed vegetation indices provide useful, complementary information on the productivity of vegetated ecosystems. While coarse resolution satellite data provide global coverage at daily temporal resolutions, they have only been widely available since the early 1980s. Tree rings, on the other hand, lack the high temporal resolution of satellite data but provide direct measurements of forest growth for many centuries prior to the launch of the first earth observing satellites. Previous studies linking tree ring data with coarse resolution vegetation indices have typically examined a limited range

of variables with mixed results. The research focuses on: Assessing the potential of seasonally- and annually-resolved tree-ring width indices to capture variation in remotely sensed NDVI and land surface phenology and examining the effect of canopy closure on the relationship between NDVI and tree rings.

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Purpose: To support remote sensing education and stimulate the development of applications of high-resolution digital satellite remote sensing data through the granting of GeoEye imagery for applied research by undergraduate or graduate students.

Donor: The DigitalGlobe Foundation through the ASPRS Foundation

The ASPRS DigitalGlobe Foundation Award consists of a grant of data valued up to $4,000 and a hand-engrossed certificate.

William A. Fischer Memorial Scholarship

Recipient: Lindsay Deel

Lindsay Deel, currently a Ph.D. student in the Department of Geology and Geography at West Virginia University, has been selected to receive the 2014 William A. Fischer Memorial Scholarship. Deel is being presented this award in recognition of her outstanding academic achievements, very impressive record of research, teaching,

Lindsay Deel

and publication in the application of remote sensing and geospatial analysis. Deel's dissertation research has focused on a multistage use of remote sensing and GIS data to develop a predictive model to monitor nutrient loading into the Chesapeake Bay and she has successfully transferred these new capabilities to the Bay's environmental managers. This combination of exemplary basic and applied research with the translation of those results into practical management tools is truly remarkable and can serve as a model for future scientists. In addition, Deel has made significant contributions to the profession through both teaching and significant service to her department and the remote sensing community. The committee congratulates Deel on her accomplishments and is confident that her current and future research efforts will continue to have a real impact on our profession.

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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.

The William A. Fischer Memorial Scholarship consists of a $2,000 check and a hand-engrossed certificate.

Francis H. Moffitt Memorial Scholarship

Recipient: Adam Benjamin

Benjamin is currently pursuing his PhD in Geomatics at the University of Florida. He has been an active student member in both ASPRS and the Florida Society of Surveying & Mapping (FSMS) He has been a Lab Instructor, Teaching Assistant and/or Instructor in 9 different classes since he began his studies at the University of Florida and has plans to continue his career

Adam Benjamin

in the field of Education. He is actively involved with ASPRS and has volunteered his time as Deputy Chair of the ASPRS Student Advisory Council. His professors have been quoted as saying "As a student in my class, Adam was truly a pleasure. He has a very positive attitude toward his education and is willing to put in the time and effort to excel. …I wish all students in my classes were as intelligent and dedicated as Adam" and "I wouldn't be surprised to see him become an ASPRS national director or Officer someday. He seems to have limitless energy and devotion in his willingness to provide assistance and service to others."

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Purpose: The award was first presented in 2008 with the purpose of encouraging upper-division, undergraduate-level and graduate-level college students to pursue a course of study in surveying and photogrammetry leading to a career in the geospatial mapping profession.

Donor: The ASPRS Foundation from funds donated to the Foundation from former students, associates, colleagues and friends.

The award consists of a certificate and a check in the amount of $5,500 and a new or renewal membership in ASPRS.

The Kenneth J. Osborn Memorial Scholarship

Recipient: Beau Dassan Immel

Beau Immel is pursuing a Bachelor of Science degree in Geomatics Engineering from the California State University (CSU) at Fresno, and plans to graduate in the spring of 2014. Following his BS, he intends to apply his outstanding scholarship towards pursuit of a Master's Degree in geomatics or photogrammetry, perhaps at the University of Stuttgart in Germany.

Beau Immel

Immel exemplified the Osborn qualities of communication and collaboration through leadership of activities within the CSU Fresno campus community by serving as president of the ASPRS student chapter, and through his active participation as treasurer for both Tau Beta Pi (the CSU Fresno engineering honor society) and Lambda Sigma (the land surveying honor society). He chaired the ASPRS-sponsored 2012 and 2013 GIS Day events on campus, and is also active in the California Land Surveyor Association activities on campus, participating in campus MESA events. As president of the ASPRS student chapter, he will serve as chair for the 2014 Geomatics Engineering Conference, Fresno State's student-organized and -managed conference. Mr. Immel's faculty advisor is Dr. Riadh Munjy.

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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 Award consists of a one-year membership in the Society (new or renewal), an engrossed certificate and a check in the amount of $2,000.

Ta Liang Memorial Award

Recipient: Steve Padget-Vasquez

Padgett-Vasquez is a PhD student in Geography and Integrative Conservation at the University of Georgia. He earned an MS in biology from the University of Alabama at Birmingham (2010), and a BS in biology from Thomas University (2007). Mr. Padgett-Vasquez's current research explores how remote sensing data can support natural resource

Steve Padgett-Vasquez

management and environmental policy to ensure long-term ecosystem functioning. He aims to use remote sensing to help conservation efforts in the Bell Bird Corridor on the Pacific Coast of Costa Rica. His research will provide an assessment of forest connectivity and a hydrological inventory for the region considering multiple spatial and temporal scales. Padgett-Vasquez will develop connectivity models by combining geophysical parameters derived from satellite-based sources—including Landsat, MODIS, and Rapid Eye—with environmental factors derived from ASTER-based digital elevation models. By combining MODIS-level data with finer-scale data (e.g. RapidEye) Mr. Padgett-Vasquez aims to better predict local conditions and understand mechanisms for the variation in vegetation indices throughout the biological corridor. The Ta Liang travel grant will support field visits to Costa Rica to collect reference data for model training and validation.

Padgett-Vasquez has also been involved in a range of extracurricular efforts benefiting high school students, and the local community in Georgia, as well as in his native Honduras. Padgett-Vasquez is a truly deserving candidate of the Ta Liang Memorial Award.

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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.

Established in memory of Ta Liang, a skilled civil engineer, an excellent teacher, and one of the world's foremost airphoto interpreters, the award consists of a $2,000 grant and a hand-engrossed certificate.

Paul R. Wolf Memorial Scholarship

Recipient: Tammy Parece

Tammy Parece is being presented this award in recognition of her outstanding academic credentials and her plans and enthusiasm to become an education professional in Surveying, Mapping, and Photogrammetry and related fields. Parece is currently a PhD candidate (planned graduation Spring 2015) in Geospatial and Environmental Analysis at the Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Parece has demonstrated her

Tammy Parece

continued interest, dedication, enthusiasm, and aptitude to become an education professional and has been recognized at all levels. Of note was Parece's work in education outreach at not just the university but also in the public and K-12 community school programs. The committee wishes Parece much success and is confident that her current and future educational efforts will continue to make important contributions to the Surveying, Mapping and Photogrammetry community.

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Purpose: To encourage and commend college students who display exceptional interest, desire, ability, and aptitude to enter the profession of teaching surveying, mapping, or photogrammetry.

Donor: the ASPRS Foundation from funds donated by the friends and colleagues of Paul R. Wolf. Recognized nationally and internationally, Paul was an outstanding educator and practitioner of surveying, mapping, and photogrammetry and a great friend of the Society. As author, teacher, and mentor, Paul made significant educational and academic contributions to these fields. The award was inaugurated in 2003.

The award includes a grant of $3,500 and a hand-engrossed certificate.

Yearbook

Z/I Imaging Scholarship

Recipient: Ivan Detchev

Ivan Detchev is being presented with this award in recognition of his academic achievements, the outstanding nature of his current research and his future career goals pertaining to the practical application of photogrammetry and digital imaging systems. Detchev, who is pursuing his PhD in Photogrammetry with an emphasis on digital imaging systems,

Ivan Detchev

from the University of Calgary, Alberta, Canada, has demonstrated sustained academic excellence in his area of primary research including working on an image-based system for fine-scale infrastructure monitoring. Detchev's research relies on digital photogrammetry (or line scanning) to develop precise 3D reconstruction of the feature of interest without making contact with the monitored object. Specifically, this leading edge research has significant and practical implications in monitoring the structural health of key civil infrastructure constructs in North America that are progressively deteriorating. In addition to his sustained academic excellence, Detchev has received several national and international prestigious awards from the University of Calgary, the National Science and Engineering Research Council of Canada, and from ASPRS.

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Purpose: The Z/I Imaging 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: Z/I Imaging though the ASPRS Foundation

The Z/I Imaging Award consists of a $2,000 cash prize and a hand-engrossed certificate.

International Educational Literature Award (IELA)

Recipient: African Regional Centre for Space Science and Technology Education – English (ARCSSTE-E); Obafemi Awolowo University Campus, ILE – Ife, Nigeria

Represented by Dr. Oladosu Olakunle Rufus

The African Regional Centre for Space Science and Technology Education – English (ARCSSTE-E) offers curricula in Remote Sensing and GIS at the graduate level for participants from other English-speaking African countries. With limited internet capabilities, a lack of geospatial text materials, and a focus on instruction in English

Oladosu Olakunle Rufus accepting the IELA Award.

the materials of the IELA will be beneficial to their Post-graduate Diploma Program. The African Centre is affiliated with the United Nations and is structured as a developing program with limited resources available to provide current content, technological developments, and fundamental teaching materials for the Centre's lecturers and post-graduate participants. The award materials will provide students with the opportunity to include current journal articles and books into course work, the materials will allow lecturers access to current technology advances for inclusion into the diploma program, and the knowledge and information will "go a long way in addressing the teaching and research needs of the institution," as their application states. The IELA will provide a unique opportunity for a much needed infusion of knowledge and literature to the African Regional Centre for Space Science and Technology Education.

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Purpose: The IELA 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 ASPRS educational materials and publications.

Donor: the ASPRS Foundation from funds donated by ASPRS members and participating sponsors through contributions to the ASPRS Foundation.

The IELA includes $350 worth of books, manuals, or other literature published by ASPRS; a five-year subscription to *PE&RS*, proceedings of the Annual Conference and Fall technical meetings for five years; one free registration to

the Society's Annual Conference at the time of receiving the award for a member of the institution to whom the award is being given; and a hand-engrossed certificate.

This award has been augmented by
- a generous grant from the Environmental Systems Research Institute (ESRI) of the complete ESRI Press Library collection
- Selected titles from the John Wiley and Sons, Publishers, catalog.

ASPRS Outstanding Service Award

Recipients:

Cliff Greve for his endowment of the Outstanding Technical Achievement Award and his foresight in establishing the award.

Lewis Graham for his leadership in establishing and leading the Lidar Division and sustained efforts to enhance the LAS file format specification as a geospatial industry standard.

Cliff Greve

David Alvarez for his leadership in establishing periodic GIS Division teleconferences, and initiating a web-based seminar series with co-sponsorship from CaGIS and GLIS.

Roger Crystal for his sustained efforts as Membership Development Coordinator.

William Hemple for this long-term leadership and professionalism as Chair, Memorial Address Committee.

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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

David Alvarez

Roger Crystal

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

The Outstanding Service Award consists of a bronze plaque

ASPRS Ford Bartlett Award

Recipients: Steven P. Lennartz, Karen L. Schuckman, and Xiaojun Yang

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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.)

A member is eligible to receive the Award after sponsoring ten or more members in one year. Each recipient receives a hand-engrossed certificate and a one-year membership in the Society.

Karen Schuckman

SAIC Estes Memorial Teaching Award

Recipient: Dr. James B. Campbell

Dr. Campbell is a Professor of Geography at Virginia Tech University, Blacksburg, Virginia, and received his Ph.D. from the University of Kansas, Lawrence. Campbell's research focuses on soil and landscape variability, land use, image processing and analysis, and coastal reclamation. He teaches remote sensing, quantitative methods,

James Campbell

and geomorphology at Virginia Tech University, working closely with students and faculty in related fields, such as forestry, geology, agronomy, environmental sciences, and planning. His research has been sponsored by numerous academic, governmental, and private organizations,

including NASA, the National Science Foundation, and the United States Geological Survey. Since 1997 he has served as co-director of the Virginia Tech Center for Environmental Applications of Remote Sensing, and is the co-author of the leading textbook for undergraduate and graduate level courses, *Introduction to Remote Sensing*. The text introduces widely used forms of remote-sensing imagery and their applications in plant sciences, hydrology, earth sciences, and land-use analysis. He has been active in the AmericaView Program, a nationwide partnership of remote-sensing scientists who support the use of Landsat and other public domain remotely sensed satellite data in support of applied research, K-16 education, workforce development, and technology transfer. He is active in VirginiaView, a statewide consortium for cultivating state and local applications of satellite remote sensing through education, research, and geospatial applications. Campbell has also helped enhance the image of ASPRS by actively working with the Potomac Region student chapter in promoting ASPRS to the Geospatial Community. Campbell is a Fellow/ Emeritus member of ASPRS and is a recipient of the ASPRS Ford Bartlett Award.

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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

The award consists of a presentation plaque and a cash award of $2,000.

ASPRS Outstanding Workshop Instructor Award

Recipient: Dr. Sorin C. Popescu

Sorin Popescu is a professor at the Spatial Sciences Lab at Texas A&M University. He has been active in the ASPRS workshop and webinar program since 2004 when he presented his first workshop on lidar and vegetation at the Fall conference. Over the next decade he has given 10 workshops along with numerous webinars. Popescu's presentations are well-attended and well-liked by the attendees. He is an excellent workshop presenter with very good evaluations.

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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.

The award consists of a certificate and an inscribed laser pointer.

Sorin Popescu

George E. Brown, Jr. Congressional Honor Award

The Award will not be given this year.

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Purpose: ASPRS created the award in honor of the late Congressman George E. Brown, Jr. and the contributions he made to advance the benefits of imagery and geospatial information to Society. Representative Brown authored key legislation affecting the industry, supported geospatial information research, and promoted the development of the commercial remote sensing industry for the greater good of Society.

Donor: The ASPRS Foundation

This award is presented periodically to recognize members of the U.S. Congress whose leadership and personal efforts have advanced the science, engineering, application, education, and commerce of imaging and geospatial information. In addition to a plaque, the award consists of an opportunity for ASPRS to sponsor a geospatial sciences presentation to an elementary school, secondary school, or university of the recipient's choice in his or her District or State.

Col. Claude H. Birdseye President's Citation

Recipient: Stephen D. DeGloria

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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: ASPRS Foundation

The Birdseye Citation carries with it a gold Past President's Key, and a hand-engrossed certificate.

ASPRS Fellow Award

Recipients: Bon A. Dewitt, Rongxing Li, Richard A. Pearsall, Karen L. Schuckman and Douglas A. Stow

Complete biographical information can be found at: http://www.asprs.org/Press-Releases/2014-ASPRS-FELLOW-AWARD-WINNERS.html

(l-r). Bon Dewitt, Karen Schuckman, and Douglas Stow.

Dr. Bon Dewitt is currently an Associate Professor and Director of the Geomatics Program at the University of Florida. Dewitt earned his Masters and Doctorate degrees from the Civil and Environmental Engineering Department at the University of Wisconsin-Madison in 1982 and 1989, respectively. He acquired his Bachelor's degree with a Surveying option from the same department in 1980. Dr. Dewitt is licensed as a Professional Surveyor and Mapper in the state of Florida. Dewitt has been working as a faculty member in the Geomatics Program at the University of Florida for more than 22 years. He has advised dozens of Masters and Doctoral students and supervised their research projects. The University of Florida recognized him with two of the coveted "Teaching Improvement Program" Awards, in 1994 and again in 1999. He has also served as the faculty advisor of the ASPRS Student Chapter at the University of Florida for the past 19 years and has been a Member Champion several times. He has been involved in writing and quality-checking exam questions in the subjects of surveying and photogrammetry for the NCEES. He has also served as a private consultant and expert witness in numerous court cases involving forensic photogrammetry. Dewitt started his ASPRS (ASP) services as a student member in 1981, becoming an ASPRS active member in 1989 after completing his Ph.D. Beginning with his election in 1993, Dewitt has served the Florida Region of ASPRS for over 18 years. He also served on the Program Committee for two national ASPRS annual conferences –in 1998 and 2007 as the Technical Program Coordinator. Dewitt regularly serves as a manuscript reviewer for the *Photogrammetric Engineering and Remote Sensing* (*PE&RS*) Journal as well as other journals in the field. He is co-author with Dr. Paul

Wolf of *Elements of Photogrammetry – With Applications in GIS*, which is one of the most widely-used photogrammetry textbooks in the U.S. and throughout the world. Dewitt has received several ASPRS awards: the Bausch and Lomb Photogrammetric Award (1981) and the Wild Heerbrugg Photogrammetric Fellowship Award (1982). In 1996, he received an ASPRS Merit Award, and the Intergraph Award as a co-author for best scientific paper in spatial data standards. In 2001, he received the President's Award from the Florida Surveying and Mapping Society.

Dr. Rongxing (Ron) Li earned his BS with honors (1982) and MS in Surveying Engineering (1984) from Tongji University in Shanghai, and his Dr.-Ing. from the Technical University of Berlin in Photogrammetry and Remote Sensing in 1990. He was Assistant Researcher at Pacific Mapping Center at the University of Hawaii, Assistant and then Associate Professor at the Dept. of Geomatics Engineering of the University of Calgary, Canada. He has been a professor at the Dept. of Civil and Environmental Engineering and Geodetic Science of The Ohio State University (OSU) since 1996 and the Lowber B. Strange designated professor since 2005. Li is a 20-year member of ASPRS, and has been an ASPRS Certified Photogrammetrist since 1991. He has received numerous highly prestigious awards from ASPRS, NASA, and other organizations. He is one of the pioneers in high-resolution satellite image stereo processing (IKONOS and QuickBird) and was one of the early developers of mobile mapping systems. Li and his research results have been featured at NASA press conferences and on ABC news, Space.com, and other TV/radio/web media programs as well as in *National Geographic*, *USA Today, Los Angeles Times, San Diego Union-Tribune, Denver Post, and Columbus Dispatch*. Li has been a member of the Society since 1989. He was ISPRS Working Group Chair of V/I "Autonomous Vehicle Navigation" (2004-2008) and II/1 "Real-time Mapping Technology" (1996-2004). He is also the leading author of the Chapter on Mobile Mapping in the ASPRS *Manual of Photogrammetry*. He has widely published his major research findings in *PE&RS* and has received multiple awards at ASPRS annual conferences including the Talbert Abrams Award (2nd Honorable Mention) in 2003, ESRI Awards for Best Scientific Papers (First Place in 2005 and 2008 and Third Place in 2006), and John I. Davidson President's Award for Practical Papers (First Place) in 2006. Li is an international pioneer in modeling high-resolution satellite imaging sensors. Sensors used include stereo IKONOS and QuickBird, water-gauge stations, buoys, ground GPS receivers, and airborne imaging sensors, Lidar, and other meteorological sensors. He has been successfully researching the automation of object extraction from sequential images of mobile mapping vehicles.

Yearbook

Richard A. Pearsall graduated with honors from Johnsburg Central School in North Creek, New York in 1969. He received his Bachelor's Degree in Forest Engineering from the State University of New York College of Environmental Science and Forestry in 1974 and a Master's Degree in Civil and Environmental Engineering – Surveying and Mapping from the University of Wisconsin-Madison in 1976. From 1976 to 2007, Pearsall worked for the United States Geological Survey (USGS), National Mapping Division in every phase of mapping to include field surveys, photogrammetry, and cartography. In 1981, he completed the USGS Cartographer Development Program. In 1979-1980, Pearsall was a summer member of the USGS Antarctic Team, doing field surveys in the Ellsworth Mountains, Antarctica. Pearsall Ridge in the Antarctica Dry Valleys is named after him. In the mid-1980's, Pearsall was the chief of the USGS National Mapping Digital Standard program. In the late-1980's, early 1990's, Pearsall worked in the Systems Engineering arena. From 1998-2004, he worked for the Federal Geographic Data Committee (FGDC) responsible for the development and advocacy for the FGDC Geospatial Metadata Standard. From 2004-2007, Pearsall was responsible for helping to implement of The National Map. In 2007, Pearsall left the USGS for the National Geospatial-Intelligence Agency (NGA) to serve as a GEOINT Standards Officer, responsible for the development and advocacy of major information technology and service oriented architecture GEOINT standards for the Department of Defense. In 2008, Pearsall was elected as the chair of the American National Standards Institute International Committee for Information Technology Standards (INCITS) L1 committee where he served as Head of the US delegation to the International Organization for Standardization (ISO) Technical Committee. During this time, Pearsall also served as the primary NGA Technical Committee contact to the Open Geospatial Consortium as well as chairing the Department of Defense Geospatial Working Group Information Technology and Service Architecture Working Group. During his career at the USGS and NGA, Pearsall has received numerous national and governmental awards and citations for his work in geographic and cartographic map standardization. Pearsall retired from Federal Service in April 2011, with 34.5 years of public service. Pearsall has been a member of ASPRS since 1974. From 1979-1982, Pearsall was an officer of the ASPRS Potomac Region, serving as President in 1982. In the early 1980's, Pearsall served as the ASPRS Convention Technical Program Committee chair. From 2007-2011, Pearsall served as chair of the ASPRS Standards Committee. Since 2003, he has been involved in the ASPRS Awards program, serving as the chair for the ASPRS Paul R. Wolf Memorial Scholarship. Pearsall has received several ASPRS Presidential Citations for his contribution to ASPRS.

Karen L. Schuckman attended Penn State University where she earned a BS degree in Meteorology in 1979. She returned to Penn State and earned a Masters in Geographic Information Systems in 2009. In addition, she received at BA in Liberal Arts at Penn State, pursued graduate studies in Geography at the University of California at Santa Barbara, 1985-1986, and pursued graduate studies in Civil Engineering, Surveying, and Photogrammetry in California State University at Fresno's Surveying Engineering Program from 1990-1992. Since 2007, Schuckman has been Senior Lecturer in Geography at Penn State University, teaching remote sensing and geospatial technology in the online programs offered by the John A. Dutton e-Education Institute. She has also been serving as President of Seven Valleys Consulting LLC since 2007. From 2005 through 2006, she served as a consultant to URS Corporation in Gaithersburg, Maryland. From 1995-2005 Schuckman worked for various components of EarthData as senior vice-president of EarthData Technologies, and president and general manager of EarthData International of North Carolina. Prior to joining the private sector, Schuckman worked for the USGS National Mapping Division in Menlo Park, California (1992-1994). She immediately demonstrated her technical expertise by developing the rigorous Global Positioning Systems (GPS) specifications for the USGS digital orthophoto contract. As the Geospatial Technology Leader at URS, Schuckman supported response, recovery and mitigation projects following Hurricanes Katrina, Rita, and Wilma. Early in her career at the USGS, she joined and became an active member of the Northern California Region of ASPRS. Those modest beginnings led to her service as National President of ASPRS (2005-2006). She is an ASPRS Certified Photogrammetrist (CP), a Professional Land Surveyor (PLS) licensed in North Carolina.

Douglas A. Stow is a Professor of Geography at San Diego State University (SDSU), in San Diego, California. Stow received his BA, MA and PhD degrees in Geography from the University of California at Santa Barbara (UCSB). While at UCSB he served as a teaching assistant and lecturer in the Department of Geography and staff research assistant for the Geography Remote Sensing Unit. His faculty mentors were Drs. John Estes, Ray Smith, John Jensen, Jeff Dozier, and Alan Strahler, all distinguished faculty in the field of remote sensing. Stow has been on the Geography Department faculty at SDSU for 28 years. Upon arrival he established a four course remote sensing curriculum. In 1985, he co-founded the Center for Earth Systems Analysis Research (CESAR) and continues to serve as its primary co-director. CESAR is a thriving GIScience research laboratory. Stow served as the department chair from 1992-96 and has been the SDSU doctoral adviser for the SDSU-UCSB joint doctoral

program in Geography since 1998. Stow has served on 19 doctoral committees and 115 master's committees. He received the Alumni Outstanding Faculty Award for SDSU in 1997, was the SDSU Phi Beta Kappa Faculty Lecturer for 2008-09 and received SDSU Presidential Leadership Awards in 2009 and 2012. He is the author or co-author of 128 refereed publications, including eleven in *Photogrammetric Engineering & Remote Sensing*. Stow has twice been on research teams that received the ASPRS Leica Geosystems Award for Best Scientific Paper in Remote Sensing published in *PE&RS*. He has regularly presented his research findings at ASPRS and has frequently published in the proceedings of the ASPRS meetings. Stow has been a member of ASPRS for over 30 years. In 2010, he served as conference Co-Chair and Co-Coordinator of student volunteers for the ASPRS Annual Meeting in San Diego. In 2006, he worked with SDSU students and the Southwest US Region directors to organize an ASPRS student chapter. Directly through the student chapter and by his example, he effectively recruits students into ASPRS and assisted in the establishment of the Volunteer Hazard Mapping Corps. He has organized and sponsored three ASPRS Southwest US Region technical meetings, the most recent in the Spring 2012. He is often called upon to review manuscripts for *PE&RS*. This past spring (2013), Stow received the ASPRS SAIC Estes Memorial Teaching Award, which was particularly fitting since Professor Estes was his primary mentor. Stow donated a portion of the cash price associated with the SAIC award to the local ASPRS student chapter. Stow has made a major difference to the image of ASPRS in his work with students, the Volunteer Hazard Mapping Corps for San Diego and technical meetings for the ASPRS Southwest US Region and his service as conference Co-Chair for the 2010 ASPRS Annual meeting. Stow is a very accomplished remote sensing scientist and honored educator with a powerful national and international reputation.

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Purpose: Started in 1992, the designation of Fellow is conferred on Society members who have been active for a total of at least ten years and who have performed exceptional service in advancing the science and use of the mapping sciences and related disciplines. It is awarded for professional excellence and for service to the Society.

Donor: the ASPRS Foundation
The ASPRS Fellow Award includes a hand-engrossed certificate.

ASPRS Conference Management Awards

Recipients:

Conference Chair: Haluk Cetin

Conference Secretary: Demetrio Zourarakis

Conference Technical Program Co-Chairs: Marguerite Madden and Thomas Jordan

Haluk Cetin

Demetrio Zourarakis

Marguerite Madden
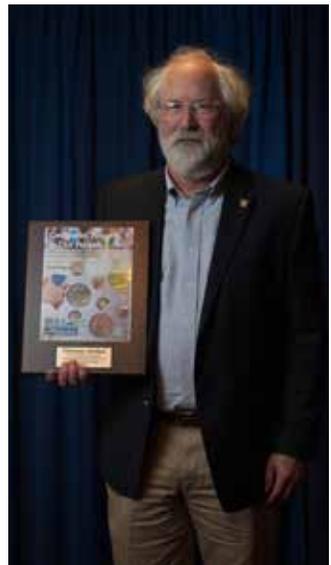
Thomas Jordan

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Purpose: The intent of this award is to recognize the great effort put forth by the individuals who volunteer their time to assist in the planning and execution of a successful annual conference.

Donor: The ASPRS Foundation

The award is an engraved plaque with the conference program cover.

Yearbook

ASPRS Region the Year Award

Recipients:

First Place: The Florida Region

First Honorable Mention: The Central New York Region

Second Honorable Mention: The Saint Louis Region

Gregory Brunner for the St. Louis Region.

Lindi Quackenbush for the Central New York Region.

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Purpose: The Region of the Year Award was established in 1968 to recognize excellence at the regional level in providing service to the members and to the profession at large.

Donor: The ASPRS Foundation

The Region of the Year Award includes a hand engrossed certificate and possession of the Region of the Year banner for one year for the winner and certificates for first and second honorable mention.

ASPRS Region Newsletter of the Year

Recipients:

First Place: *The Rocky Mountain Compiler,* **Rocky Mountain Region**

Second Place: *The NCR News***, Northern California Region**

Third Place [tie]: *The Central Perspective***, Central New** York **Region and** *The Array of Sunshine***, Florida Region**

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Purpose: The Society first bestowed this award in 1980 to recognize excellence of the Region in providing service to the members and to the profession at large through publications of a newsletter.

Donor: The ASPRS Foundation

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

Jeff Young for *The Rocky Mountain Compiler,* Rocky Mountain Region

Lorraine Amenda for *The NCR News***,** Northern California Region

Region Website of the Year

Recipients:

First Place: Western Great Lakes Region

Second Place: Rocky Mountain Region

Third Place: Florida Region

A scoring and weighting system applied by a third party neutral judge is used to decide the winners of the Region Website of the Year Award.

The winning websites demonstrate high quality look and feel in the site design and effectively convey accurate, informative and timely content. Each site is easy to navigate with few or no broken links and page file sizes are minimized to reduce page loading times. The sites display content of unique regional flavor.

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Purpose: The Region Website of the Year Award serves to recognize excellence among the regions in providing service to members and to the profession at large through web site publication.

Donor: The ASPRS Foundation

The Region Website of the Year Award, inaugurated in 2003, includes hand-engrossed certificates for all winners.

Presidential Citations

Recipients:

Josh McNary for revitalizing the Electronic Communications Committee and leading the review committee for the Outstanding Region Web Site of the Year Award.

Dave Kreighbaum and Barry Budzowski for their leadership in establishing a framework for consolidation of regions, initially with the Central and St. Louis Regions.

Mike renslow

Josh Mcnary

Anne Hillyer accepting for Chris Aldridge.

Devin Kelley

Jim Peters

Dave Kreighbaum

Jim Peters for his efforts in establishing and demonstrating innovative, widely distributed simultaneous intra- region technical meetings using web-based information technologies.

Chris Aldridge for his dedicated work as Chair of the ASPRS Bylaws Committee.

Devin Kelly for his leadership in promoting the Young Professionals Council

Mike Renslow for serving as a significant catalyst in organizing the editorial team for the new edition of the Manual of Remote Sensing.

Kari Craun and Michael Hodgson for their leadership as Technical Program Chairs of the CaGIS/ASPRS 2013 Specialty Conference, "Imaging and Mapping for Disaster Management: from the Individual to the Global Community"

Heather Staverman and **Kim Tilley** for their leadership in organizing and implementing our new National Technical Program Committee.

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Purpose: First awarded in 1992, Presidential Citations are presented by the ASPRS President to members of ASPRS and other societies, family members, and friends in recognition of special, personal, and meritorious contributions to the operation or advancement of the Society and its interests during the presidential year.

Donor: The ASPRS Foundation

The Presidential Citation is a hand-engrossed certificate

GeoLeague Challenge

2014 marks the fourth year of the GeoLeague Challenge held at the ASPRS Annual Conference. Teams from across the country compete to solve the challenge put forth by the ASPRS Student Advisory Council (SAC). The topic for 2014 is "Mapping Ecosystem Services Change in Coastal Belize Based on Landsat Data." This year's Challenge is being carried out in cooperation with the Natural Capital Project in an effort to assist with a study for ecosystem services mapping in the coastal zone of Belize.

Details at: http://www.asprs.org/Students/GeoLeague-Challenge-2014.html