

Central Region Newsletter

American Society for Photogrammetry & Remote Sensing

Volume 16, Issue 2

April 2004

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Kari J. Craun Elected as ASPRS Vice President

Mugnier, Loveland and Paulsen Elected as Assistant Division Directors

The results of the 2004 election have been tallied by the Tellers Committee and they reported that Kari J. Craun won the election over Alan W. Voss to become ASPRS Vice President for 2004. Once she is sworn in as President in 2006, Craun will be the fifth woman to hold that office since the Society was founded in 1934. With the installation of officers at the ASPRS Annual Conference in May, Russell Congalton moves into the position of president; Karen Schuckman becomes president-elect, and Donald Lauer becomes past president. Craun is Chief of the U.S. Geological Survey's Mid-Continent Mapping Center (MCMC) in Rolla, Missouri.

In the three races for Assistant Division Director, Clifford J. Mugnier was elected assistant director for the Photogrammetric Applications Division, Thomas R. Loveland was chosen as assistant director for the Remote Sensing Applications Division, and Daniel J. Paulsen was elected assistant director for the Professional Practice Division. Each will serve a two-year term as assistant director then rise to a two-year term as division director. Mugnier is a member of the faculty at Louisiana State University (LSU), Department of Civil and Environment Engineering and is chief of Geodesy at the LSU Center of GeoInformatics, New Orleans, Louisiana. Loveland is a research geographer for the U.S. Geological Survey EROS Data Center, Sioux Falls, South Dakota. Paulsen serves as a Geospatial project manager for Pacific Western Technologies, Albuquerque, New Mexico.

Craun emphasized that her service on the ASPRS National Board of Directors and Executive Committee gave her a "much better understanding of the 'business' of the organization." She noted that "While the Society has been and continues to be very successful, there are some challenges in the immediate future." Craun points to recruiting and retaining members as one of these challenges that she plans to address. By taking proactive

steps she hopes to begin an upward trend in the membership rolls.

Another challenge Craun notes for the Society is determining how best to invest its resources to further the organization's mission and support its members. "This is a wonderful challenge/opportunity to have," she said. Finally, she feels ASPRS will continue to be challenged to make its voice heard on issues important to its members. Craun concluded that "Over the past several years, the Society has provided significant input on numerous issues, including most recently, the fate of the LANDSAT program. The industry needs ASPRS to continue being a strong representative on these types of issues to legislators and other decision-makers."

As Chief of MCMC, Craun is responsible for a workforce of 230 employees, government and contract, with the broad mission of ensuring relevant base geospatial data availability for the United States. As part of this mission, MCMC is responsible for managing the USGS' cartographic and geographic services contract as well as contracts to support acquisition of commercially available, remotely sensed data. Craun joined MCMC in 1994 and was named Chief in 2001.

Before coming to MCMC, Craun was located at the USGS National Mapping Division Headquarters in Reston, Virginia. Prior to joining USGS in 1988, she worked for the Defense Mapping Agency in San Antonio, Texas and Brookmont, Maryland. She holds a BS degree in Geology from the University of Missouri-Kansas City and an MS degree in Photogrammetry from Purdue University.

In 1987, Craun joined ASPRS when she was a graduate student at Purdue. She has served the Society in a wide variety of regional and national elected positions, including:

- President in 2001 of ASPRS Central Region (formerly Rolla)
- Co-chaired the 2001 ASPRS Annual Conference in St. Louis
- Currently chairs the ASPRS Convention Policy and Plan-

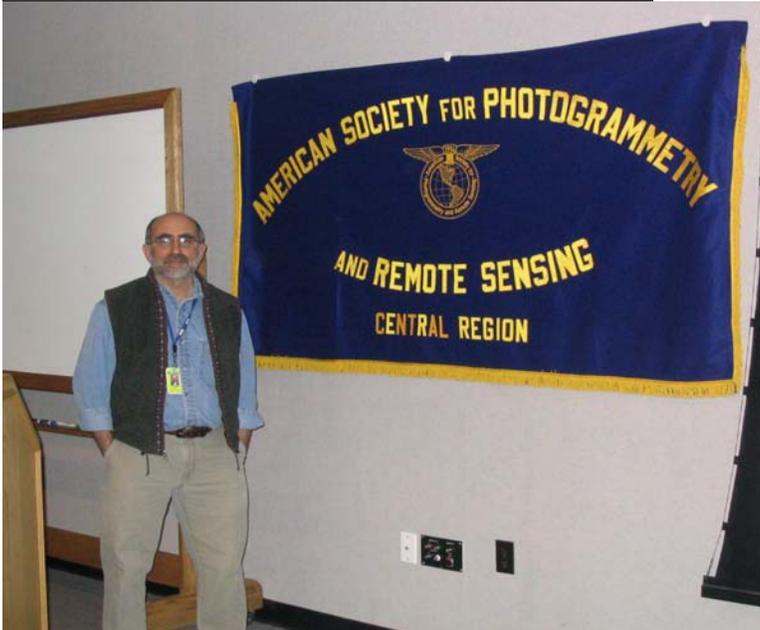
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ning Committee

- Presently serves as Central Region National Director
- Holds a seat on the National Board of Directors of ASPRS
- Elected 2001 by the National Board of Directors to the ASPRS Executive Committee

She resides in Rolla, Missouri with her husband Jeff and two daughters, Zoey and Natalie



Dr Meyer poses by the Central Region Banner

presentation, it is located at [ftp://ftpext.usgs.gov/pub/cr/mo/rolla/asprs/cal_val_pres.ppt](http://ftpext.usgs.gov/pub/cr/mo/rolla/asprs/cal_val_pres.ppt). The Central Region Board would like to thank Dr. Meyer for taking a detour from his vacation to pass through Rolla and speak with our members.

Technical Presentations

Calibration and Validation for USGS Remote Sensing Missions

Dr Dave Meyer, Science Applications International Corporation, EROS Data Center ,

Dr. Dave Meyer gave a presentation on the issues, methodology, and challenges of calibration and validation of USGS remote sensing missions on 14 April 2004 at the Mid-Continent Mapping Center in Rolla, Missouri. Dr. Meyer is a physical scientist with Science Applications International Corporation (SAIC) who works at EROS Data Center. There were several dozen attendees, including some members who had driven from Oklahoma.

Dr. Meyer started by defining the terms calibration and validation and went on to discuss a wide variety of parameters that could be calculated and the methods one could use to calculate them. The show included an array of charts and graphs of actual calibration measurements made for a variety of satellite sensors. Dave did a great job demonstrating the importance and difficulty of keeping orbital remote sensing instruments calibrated.

A particularly interesting approach Dr Meyer discussed was using the moon as a calibration target. This technique requires pointing all the sensors on the different USGS remote sensing missions at the same part of the moon at approximately the same time of day.

It was an interesting and thought-provoking presentation that prompted lengthy follow-on discussions. If you would like a copy of the PowerPoint presentation,

Denver, Colorado

asprs 2004

...mountains of data peak decisions...

- ⌘ Workshops including the new Technologist Certification Preparation and other topics of current interest
- ⌘ Keynote Address delivered by Dr. Ahmed Noor, Professor of Aerospace Engineering, Old Dominion University, Norfolk, Virginia
- ⌘ Plenary Session led by Lynne Sherrod, Executive Director of the Colorado Cattlemen's Agricultural Land Trust
- ⌘ Technical Program with over 450 presentations
- ⌘ Poster Presentations numbering 70+
- ⌘ Technical Tours to BP Center for Visualization, DigitalGlobe, Jeppesen, and Spectrum Mapping
- ⌘ Classified Session
- ⌘ Social Events Including the ASPRS 70th Anniversary Party, a reception at the Denver Museum of Nature and Science
- ⌘ User Groups offered by the top names in the industry
- ⌘ Exhibition Hall of super size with the latest developments in the field presented by more than 120 suppliers

**ASPRS 2004
Annual Conference
May 23-27, 2004
Denver, Colorado
Adams Mark Hotel**

**For complete details and to register on line, visit
www.asprs.org/denver2004**

DigitalGlobe image of Overland fire in Jamestown, Colorado
Processed with RSF's ENVI remote sensing software

ASPRS Central Region Spring Banquet

Climbing the Karakoram Range in Pakistan

Presented by
Bob Ader

ASPRS Central Region Spring Banquet

May 13, 2004

6:30 p.m.

The Centre

1200 Holloway Street

Rolla, Missouri



Menu:

Choice of Sirloin Beef Tips or
Smothered Pork Chop
Green Tossed Salad
Baked Potato
Mixed Vegetables
Dessert
Coffee, Tea
\$8.50 per person

Please contact Kari Craun (573-308-3800), Matt Reed (573-308-3913), or Phil Rufe (573-308-3540) for tickets or e-mail keraun@usgs.gov



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Call for Nominations—National Director

Due to Kari Craun's election to the office of Vice-President for the Society, the Officers and Board of Directors for the Central Region will hold a special election to elect a member to fill the remaining two years of Ms Craun's term as our representative on the National Board of Directors. The Board would like to invite members to nominate fellow members (or themselves) for this office. The current Board strongly encourages people to self-nominate. Physical location does not preclude someone from serving. Teleconferencing, e-mail, and collaborative software can allow any member to participate.

The person elected to this position will serve from June 2004 through December of 2006. The national director represents the Central Region and serves on the ASPRS Board of Directors. The National Director works closely with the Board, the Executive Committee, and the staff of the society to provide leadership and oversight for the national organization. Board meetings are held in the spring and fall of each year, with periodic email or telecom communications between each board meeting. The only qualifications are ASPRS non-student membership and an interest in working to further the objectives of the society.

Individuals interested in being considered for nomination for this position should send their names and bio-sketch to the Central Region Nominating Committee. The society will also accept nominations from the region membership at large. Nominations close 31 May 2004. Ballots will be mailed in June and the votes will be counted on 30 June. Any and all regular members of the Region are eligible to serve. If you would like to nominate someone or nominate yourself, please contact the nominating committee chairperson, Scott Perkins, by written, voice, or electronic correspondence.

Mr. Scott Perkins

Vice President

9401 Reeds Road

Overland Park, KS 66207

Phone: (800) 643-5177

Fax: (913) 652-9933

Contact Email: sperkins@westernair.com

News From The Mt Oread Student Chapter

As our second year as an organization progresses, we are continuing to define ourselves and meet the needs of our members. Here are some highlights.

KUGIS Steering Committee: The Mount Oread Geospatial Technologies Club has been invited to represent the student community on the KUGIS Steering Committee. The University of Kansas is an institutional member of the University Consortium for Geographic Information Science (UCGIS) (www.ucgis.org). More than 40 faculty and permanent staff members have organized themselves as KUGIS Stakeholders. The KUGIS Steering Committee represents 20 academic departments, schools, or research centers and actively coordinates geographic information science activities across the campus. We view this opportunity as pivotal to reaching our goal of campus-wide student membership and interdisciplinary collaboration. The club is already working with the Center for Science Education to get preservice teachers (undergraduates) and graduate students in education involved with the club.

Club Finance: Over the past year we have been working on a creative way to finance the Club's activities. Through an agreement with the Kansas Biological Survey (KBS), the club will market three maps that have been produced by KBS; Satellite View of Kansas, Kansas Vegetation Map, and Kansas Land Cover Patterns. Over the past few months we have been working with the KU Marketing Club to draft a business plan and marketing strategy for the sale of the maps. Our Club will buy the maps from KBS and compensa-

tion for the Marketing Club will be provided through a profit sharing agreement. Although still in development, the plan outlines both retail and wholesale strategies that will deliver the maps to target markets. The first retail sales effort will be on May 1st and 2nd in Newton, Kansas at the Kansas Sampler Festival (<http://kansassampler.org/festival.html>). With support from KBS, the Club, under the DBA *Great Plains Mapping & Imagery*, will sell maps to festival-goers from across the state. We also hope to establish wholesale accounts through contact made at the festival. One long-term goal is to produce our own products and distribute them through the accounts that we have established. More details coming soon...

MAGIC: Several of our members attended the MAGIC Conference in Kansas City. Hopefully many of you were able to meet and talk with them.

GIS Policy Board: On May 14 the Club is sponsoring a trip to Topeka to attend a Kansas GIS Policy Board Meeting. After the meeting the group will have lunch with Ivan Weichert, State GIS Coordinator- Kansas Information Technology Office, and other board members, giving us a chance on ask questions and network. We have also invited member from the KUGIS Steering Committee and their students.

~ Kevin Dobbs, Club President

For more information on these and other events, please visit our website at www.kars.ku.edu/asprs.

Events Calendar

13 May, 2004 **ASPRS Central Region Spring Banquet**. Presentation **Climbing the Karakoram Range in Pakistan** to be given by Bob Ader at The Centre, Rolla, Missouri. See page 3 of this publication for details.

May 24-28, 2004 **ASPRS Annual Conference**, Adams Mark Hotel, Denver, Colorado www.asprs.org/asprs/meetings/calendar.html

June 20-23, 2004. **97th Annual Canadian Institute of Geomatics Conference**, Institute of Geomatics, Ottawa, Ontario, Canada. Contact Kim Haddow at 613-224-9851 or kimcig@magma.ca; www.cig-acsg.ca.

July 15-16, 2004. **Military Satellites Applications**. The Thistle Marble Arch Hotel, London. For further information and to book online please visit <http://www.iqpc-defence.com/GB-2232/ASPRS>

July 26-28, 2004. **III LBA Scientific Conference**, Academia de Tênis, in Brasília, Brazil. For further information, see the following URL <http://www.lbaconferencia.org>. Alternatively, additional information is available via electronic mail from brasilian@mail.lbaconferencia.org.

August 13, 2004. **Basic GIS Coordinates Seminar**, by V3 Consultants featuring Jan Van Sickle, Hyatt Regency Islandia, 1441 Quivira Road, San Diego, California 92101 (619) 224-1234. Register at: www.v3consultants.com

August 25-28, 2004. **Euro-Science Open Forum 2004**, will be held at the Stockholm City Conference Center in Stockholm, Sweden. For more information, go to www.esof2004.org

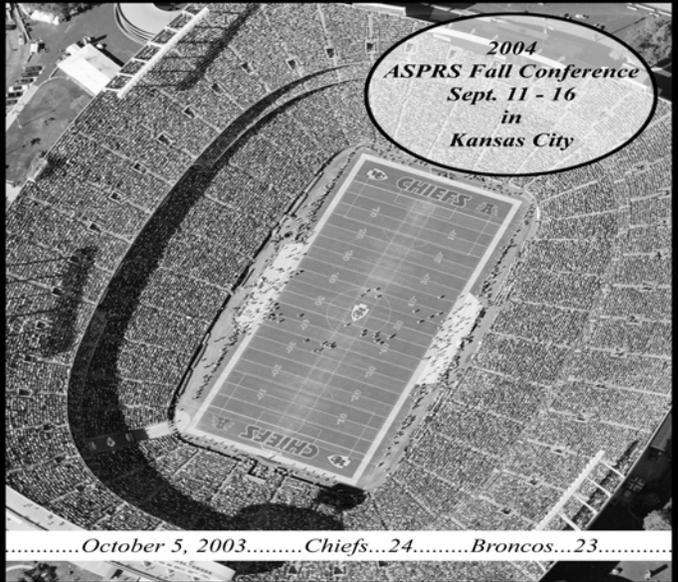
September 12-16, 2004. **ASPRS Fall Conference: Images to Decisions: Remote Sensing Foundations for GIS Applications**, Hyatt Regency Crown Center, Kansas City, Missouri <http://www.asprs.org/fall2004/index.htm>

News From the SMSU Student Chapter

The ASPRS SMSU student chapter 1st Annual Texas Hold'Em Tournament will be held on Thursday, May 6th at 7pm. This fundraiser is to raise funds for a field trip to Washington D.C., for the summer of 2005. It will be held inside the Plaster Student Union in room 314. The entry fee is \$25. We will reserve spots if anyone from the region is willing to participate in this event. The event should last no longer than 3 hours. If you have any further questions or wish to reserve a spot, just send me a reply.

— Robert Touzinsky

ASPRS SMSU student chapter president
rct083s@smsu.edu



2004
ASPRS Fall Conference
Sept. 11 - 16
in
Kansas City

.....October 5, 2003.....Chiefs...24.....Broncos...23.....

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Classifieds

The Region Board of Directors has created a Classifieds section in the newsletter. Region members seeking to hire or to be hired should send information to the Newsletter editor.

Phil Rufe
USGS– MCMC MS706
1400 Independence Rd
Rolla MO 65401
prufe@usgs.gov
(573) 308 –3540

Student Volunteer Opportunities. FREE CONFERENCE REGISTRATION. If you are a student at an accredited college or university and would like to volunteer at least 15 hours at the Fall 2004 ASPRS Conference in Kansas City please contact Prof. Monika Moskal at (417)836-4273 or email: MonikaMoskal@smsu.edu.

The Central Region thanks Western Air Maps for being the first donor to the new Central Region Corporate Scholarship Fund.

Donors Wanted for a Central Region Corporate Scholarship. The Board awarded two scholarships in 2003 and would like to continue this practice in future years. However, the principal in the Gene Lortz Scholarship Fund is sufficient to sustain one scholarship only. We would like to ask corporate members to consider donating to fund a new Central Region Corporate Scholarship to support students and future professionals in our region. Please contact our treasurer if you are interested in making a donation.



Jerry Wagner
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(573) 308-3764

Great Opportunity for All Students! Take advantage of a complimentary registration for the 2004 Annual ASPRS Conference in Denver, Colorado, May 23-28, 2004! All ASPRS student members attending an accredited college or university are eligible for a complimentary registration to this world renowned meeting by just volunteering to work with the ASPRS staff for 15 hours during the five days of the Conference. Volunteers will have a unique opportunity to interact with the top leaders in the field of photogrammetry and remote sensing at this Conference and will be able to learn about the latest developments in the industry by attending the Keynote and Technical Sessions.

A new track designed just for this Conference is devoted to “Career Development” including *Current Trends, Resume Preparation, Interviewing* and *University Opportunities*, all geared to the geospatial world.

Complete details can be found on the ASPRS web site at <http://www.asprs.org/denver2004/volunteer-opps.shtml>

Or you may contact the Volunteer Coordinator, Stella Todd, directly at toddst@mscd.edu.

Hope to see you in Denver.



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Information Technology
Information Security
Systems Integration
Wireless**

**Geographic Information Systems
eBusiness
Software Development
Program Management**

Central Region Annual Election—Candidate Biographies

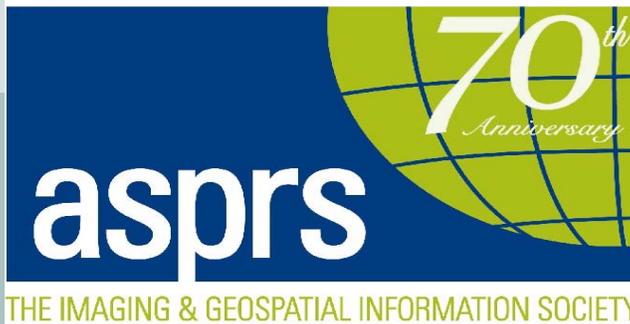
The time has come to cast your votes! It is time to elect a new region Vice-President, Secretary/Treasurer, and two new Directors. This election will be historic, for it will result in each of the four states in the region being represented by either a Board Member or an Officer. It will also be the first time that the Board and Officers will

have a majority of members from outside of Rolla.

Below you will find biographic sketches of each nominee. There is a ballot included at the back of this newsletter. Please return your ballots to either Scott Perkins or Phil Rufe by 31 May 2004.

Mr. Scott Perkins

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Vice-President: L. Monika Moskal

L. Monika Moskal is an Assistant Professor in the Department of Geography, Geology and Planning at Southwest Missouri State University (SMSU). Prior to SMSU she spent three years as a Graduate Research Assistant at the Kansas Applied Remote Sensing Program, University of Kansas. Monika has over twelve years experience in geospatial technologies applications in academia, government, public and private sectors locally and internationally. Presently she is working on numerous remote sensing and GIS projects focusing on change detection, time series analysis, geo-visualizations and feature extraction from high resolution imagery. Monika is also teaching courses in remote sensing, aerial photography interpretation, photogrammetry and advanced GIS. In the past, she applied her remote sensing and GIS skills in the Yellowhead Grizzly Bear Habitat Project and the Alberta Forest Biodiversity Remote Sensing Pilot Project in collaboration with the Foothills Model Forest and the University of Calgary, where she received her Master's degree in Remote Sensing and GIS. Her other work involved geospatial change detection techniques for partial forest harvesting in the Fundy Model Forest. She has also worked as an instructor at the University of Calgary for forest ecology courses utilizing GIS and remote sensing techniques. She is currently completing her PhD at the University of Kansas focusing on the remote sensing-based geostatistical modeling for coniferous forest inventory and characterization in the Yellowstone National Park through a NASA funded grant. Monika was the first President and co-founder of the Mt. Oread ASPRS Student Chapter at the University of Kansas, she has also received multiple ASPRS scholarships from the national organization and the Central Region.

Secretary/Treasurer: Jerry Wagner

Jerry Wagner is a Cartographer at the USGS, Mid-Continent Mapping Center (MCMC). He was raised in St. Louis, Missouri and received a Bachelor of Science degree in Earth Science and Biology from Southeast Missouri University, Cape Girardeau and has been working on a Masters of Business Administration from Webster University. Jerry began in his mapping career working at Surdex Corporation in St. Louis before going into federal service at DMAAC (now NGA) in St. Louis. He then transferred to MCMC in 1977 and entered the Cartographer Development Program. He has served most of his 27 years with the USGS in the Branch of Production Operations in various positions as cartographer, supervisor and section chief. Jerry and his wife, Linda, have two children, Melissa and Sarah.

Jerry has been a member of ASPRS since 1976. He is currently serving as Secretary/Treasurer for 2003-2004 and is running for a third term. He has served previously as Director and President of Rolla Region.

Director: Mahesh Rao

Mahesh Rao received his B.S and M.S degrees in 1986 and 1988, respectively, both degrees in Agricultural Science from A. P. Agricultural University, Hyderabad, India, and Ph. D degree in Environmental Science – Geography from Oklahoma State University, Stillwater, in 1996. He was a post-doctoral fellow (1996-98) in the Zoology Department at Oklahoma State University. He joined the Department of Geography at Oklahoma State in 1998 as a Visiting Assistant Professor, and since 1999 he has been an Assistant Professor in the department. His teaching and research interests pertain to the applications of geospatial technologies such as GIS and remote sensing in the field of natural resources management. He is particularly interested in applying remote sensing and GIS-based tools for evaluating soil and water quality in agricultural systems. Currently, he is studying the spatio-temporal distribution of USDA's Conservation Reserve Program (CRP), and evaluating its long-term environmental benefits. Concurrently, Rao is also involved in a multi-disciplinary research to develop decision support tools for efficient CRP planning and management. As director of the OSU Center for Applications of Remote Sensing (CARS), he is actively involved in research and outreach activities. Please see <http://www.geog.okstate.edu/staff/rao.htm> for additional details.

Director: Tarek Rashed

Tarek Rashed is an assistant professor of geographic information science at the department of geography, and associate director of the center for spatial analysis at the University of Oklahoma. He has been actively involved, professionally and academically, within an international, multi-disciplinary career in the fields of remote sensing and GIS for over a decade. He holds degrees in Architectural Engineering, Computation, Disaster Management, and Geography. Rashed also worked in many GIS and remote sensing projects in and outside the United States. He is the current chair of the Young Scholar Committee of the University Consortium of Geographic Information Science (UCGIS) and a co-founder of the newly formed Urban Remote Sensing specialty group of the European Association of Remote Sensing Laboratories. Rashed is also an affiliated member with ASPRS, the Urban and Regional Information Systems Association (URISA), the Sigma Xi scientific community, the Association of American Geographers (AAG), Phi-Beta-Delta International Scholars Society, and the Academic Council of United Nations System. In addition to his professional involvement in the remote sensing arena, he has published several papers in leading remote sensing and GIS scholarly journals and he is a co-editor of a forthcoming book on urban remote sensing, a first text book dedicated solely to this specialized area.

Director: Eric R. White

Eric R. White began his career in surveying and mapping in 1975 as a Rodman on survey crew while in high school working for LaFave, White & McGivern (LW&M) in northern New York State. He continued his education and graduated from the State University of New York, College of Environmental Science and Forestry in 1984 in Syracuse, NY with a B.S. in Forest Engineering. Upon graduation, White continued to work in surveying and mapping for LW&M in New York, New Jersey and Connecticut. In January 1985 he took an interest in LW&M's Photogrammetry department and their newly acquired Zeiss analytical stereoplotters. White was a witness to the growing demand for digital map products and geographic information systems. While at LW&M, he became the Photogrammetric Department Manager. In 1991 White decided to leave the frigid North Country and accepted a position with Carl Zeiss, Inc. in the Photogrammetry Division as a Systems Support Engineer. In 1996 he was promoted to a Sales Position and served all of North America. In 1998 White founded Rocky Mountain Aerial Mapping, Inc. (RMAM) in Littleton, CO. RMAM offered numerous photogrammetric mapping services for both the private and public sector. In 2003, he sold RMAM to Aerial Data Service, Inc. in Tulsa, OK and began his service as the Vice President of Operations. White received his certification from ASPRS as a Photogrammetrist in April of 1998 and he has been a member of ASPRS since 1982.

New Members!

The Central Region Board would like to welcome six new members including five students and one regular member:

Regular Member:

- Ms. Henrietta Christensen

Students:

- Mr. Michael Addis, SW Missouri State University

- Mr. John Carey
- Mr. Geoffrey Folker, University of Kansas
- Mr. Burmshik Kim, University of Arkansas
- Mr. Vibhava Vibhava, University of Arkansas





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Central Region Ballot

Vice-President

- L. Monika Moskal

Secretary/Treasurer

- Jerry Wagner

Directors (vote for two)

- Mahesh Rao
- Tarek Rashed
- Eric R. White

Place Stamp Here

Scott Perkins
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