

# THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

## EASTERN GREAT LAKES REGION



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[www.asprs.org](http://www.asprs.org)

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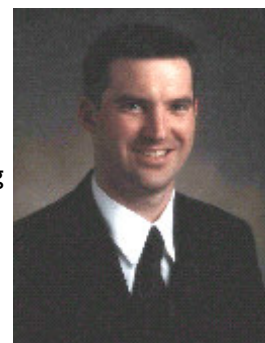
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May 2008

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Welcome!

On behalf of the Eastern Great Lakes Region (EGLR), I would like to express our appreciation to Roger Gauthier, Past President of the EGLR, for his leadership and accomplishments over the last year. 2007 proved to be a very successful year for the EGLR, being recognized for the following; 1<sup>st</sup> honorable mention for Region of The Year Award and 3<sup>rd</sup> place in the Regional Newsletter of the Year Award, also runner-up in the Regional Website of the Year competition.



I would also like to extend a warm welcome to the new board members and thank the previous board members for their outstanding contributions to the region's success over the last few years. It is now our responsibility to ensure that the EGLR builds upon these previous successes. We will continue to support the ASPRS mission, "to advance knowledge and improve understanding of mapping sciences and to promote the responsible applications of photogrammetry, remote sensing, geographic information systems (GIS), and supporting technologies," throughout the region.

The ASPRS Strategic Plan requests that every ASPRS member becomes involved in its implementation. I believe our region has the resources to positively influence the following items of the Strategic Plan:

- Enhance awareness and use of imaging and geospatial information and systems
- Strengthen ASPRS student programs
- Actively promote certification and appropriate licensing
- Foster communications among ASPRS members, constituencies, and partners
- Expand and diversify educational opportunities
- Ensure continued organizational strength and financial stability
- Expand ASPRS membership

2008 promises to be an exciting year for the region. One of the highlights includes a joint summer meeting with the Western Great Lakes Region, June 12 – 14, in Milwaukee, Wisconsin. Please visit our website [www.glc.org/asprs-eglr](http://www.glc.org/asprs-eglr) or see our quarterly newsletters for more details on this and other events throughout the region.

**The current economic climate in our region and across the country presents an added challenge to our efforts and goals, but I am convinced we will be able to look back at the end of this year with a sense of pride at what we have achieved together.**

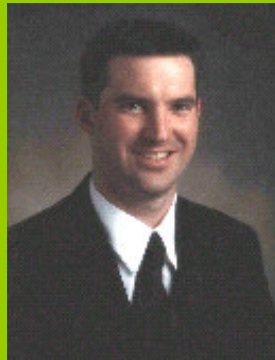
I look forward to your support and to working with all of you.

Sincerely,

Jason Heywood



Robert C. Burtch, C.P., P.S.  
Vice President



Jason D. Heywood, C.P.  
President



Roger L. Gauthier  
Past President



George Leshkevich  
Secretary/Treasurer

**Eastern Great Lakes Region  
2008  
Board  
of  
Directors**



Dr. Charles K. Toth  
EGLR National Director



Greg Lemke, C.P.  
Regional Director



Colin N. Brooks  
Regional Director



Dr. James K. Lein  
Regional Director



## Carolyn Merry Elected as ASPRS Vice President

Anna Marie Kinerney, ASPRS

The results of the 2008 election have been tallied by the Tellers Committee and they reported that Carolyn Merry, a professor and chair of the Department of Civil and Environmental Engineering and Geodetic Science at The Ohio State University (OSU), won the election to become ASPRS Vice President for 2008. Once she is sworn in as President in 2010, Merry will be the eighth woman (five in the last six years) to hold that office since the Society was founded in 1934. With the installation of officers at the ASPRS Annual Conference in April, Kass Green moves into the position of President; Bradley Doorn becomes President-elect, and Marguerite Madden becomes Past President.

An ASPRS member since 1975, Merry has served the Society as Chair of the Publications Committee, Membership Chair for the Eastern Great Lakes Region, and Technical Program Co-Chair for the 2007 ASPRS/CRSS Fall Technical Conference.

Currently, in addition to her faculty and chair responsibilities at OSU, Merry serves as the Director of the Center for Mapping. She was a co-Principal Investigator for the National Consortium on Remote Sensing in Transportation – NCRST – that was funded by the U.S. Department of Transportation. She is involved with the follow-on consortium CRESTA – Center for the Remote Sensing of Traffic Activities – with researchers from OSU, University of Arizona and Michigan Tech Research Institute. During a sabbatical to the NASA Goddard Space Flight Center in 1977-78, she worked on educational outreach for the Landsat-7 satellite.

Previous to OSU, Merry was a Research Physical Scientist at the U.S. Army Cold Regions Research and Engineering Laboratory, in Hanover, New Hampshire. Her scientific service includes authorship of several chapters of books, service on proposal review panels for the National Science Foundation, and service on fellowship review panels for the U.S. Environmental Protection Agency. She is currently on the Advisory

*(Continued on page 4)*

## Dr. Merchant Recognized in Ottawa

Dean Merchant was inducted by the American Society of Photogrammetry and Remote Sensing (ASPRS) through the ASPRS Foundation as an Honorary Member. Prof. Merchant was presented with the award and certificate in Ottawa last fall. This is one of the highest awards an ASPRS member can receive, as there are only 25 Honorary Members at any given time. Candidates are chosen by the Nominating Committee made up of the past five recipients of the award and chaired by the most recent recipient.

Initiated in 1937, the 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 at least 20 years of service to ASPRS. This is a lifetime award.



**Dean Merchant, Ph.D. was presented with Honorary Member Award in Ottawa**

## Robert Burtch Named New ASPRS National Workshop Coordinator

Anna Marie Kinerney, ASPRS

ASPRS is pleased to announce that Robert Burtch has accepted the position of National Workshop Coordinator. ASPRS Workshops, offered for ten years under the direction of Dr. Russell Congalton, have successfully provided in-depth educational opportunities to thousands of professionals in the field of photogrammetry and remote sensing. On average 13 workshops are offered at ASPRS annual conferences and at least eight are given at the ASPRS fall conferences. Additionally these workshops have been given in conjunction with ASPRS Region events, for government agencies including the National Geospatial-Intelligence Agency and U.S. Geological Survey, as well as private sector companies such as Merrick & Company and Penn State University. The workshops all carry Continuing Education Units awarded by the University of Maryland, College Park.

Robert Burtch, a long-time ASPRS member, developed the very popular *Preparing for Certification* workshop and has been presenting it since 2000 to consistently sold-out audiences. He has also given many other workshops over the years. He is the current Vice-President of the Eastern Great Lakes Region of ASPRS and served as the Secretary-Treasurer from 1986 to 2002. Since 1992, he has been a member of the ASPRS Certified Photogrammetrist Committee. A professor in the Surveying Engineering Department at Ferris State University, Burtch has been

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## Carolyn Merry Elected as ASPRS Vice President

Board for the U.A. Whitaker School of Engineering at Florida Gulf Coast University and the Advisory Board for Women in Transportation – Columbus Chapter. She received her BS in Geology from Edinboro University, a MA in Geology from Dartmouth College, and a PhD in Civil Engineering from the University of Maryland.

Merry feels that as an ASPRS officer “It is critical that we educate our next generation in the existing and new analysis tools and the knowledge of available remote sensing data sets and geospatial technologies. This is to ensure that we provide the continuity in the workforce for the future of the geospatial communities. We need to provide leaders for ASPRS and the remote sensing field, whether it is in the government, the private sector, or the university community. My earlier involvement with the government and my research on the engineering side of remote sensing has provided this interaction with the industry. I will work towards integrating the needs of the university, the government sector and private industry in maintaining a constant supply of educated geospatial professionals.”

Further, Merry states, “I have always been impressed with the excellent work that the Society has accomplished over the past several decades. I plan to continue this strong tradition of ASPRS being the world leader in the remote sensing field. I feel that I can contribute my knowledge, expertise and leadership to maintain this integrity and momentum of ASPRS, as the Society continues to be the leader in geospatial information sciences, technologies and applications.”

Founded in 1934, ASPRS is an international professional organization of 6,000 geospatial data professionals. ASPRS is devoted to advancing knowledge and improving understanding of the mapping sciences to promote responsible application of photogrammetry, remote sensing, geographic information systems and supporting technologies.



**ASPRS WGL/EGL Joint Summer Meeting****June 13-14, 2008****Milwaukee, Wisconsin****Hotel: Country Springs Hotel and Water Park****PO Box 2269****Waukesha, WI 52187-2269****(262) 457-0201****(800) 247-6640**[www.countryspringshotel.com](http://www.countryspringshotel.com)**Exit County G off I-94 West of Milwaukee, North side of Freeway****10 room block reserved for Thursday and Friday nights.****\$99.99 Standard Deluxe \$119.99 with Waterpark****\$129.99 Exec King \$149.99 with Waterpark****RESERVE YOUR ROOM TODAY. ROOMS WILL FILL UP IN THE MILWAUKEE AREA DUE TO THE Interstate/Interleague BASEBALL GAME!****MEETING REGISTRATION FEE (includes meeting and lunch buffet)****Early Registration by May 30, 2008: \$75 ASPRS Members \$90 for non-members****After May 30, 2008: \$95 for ASPRS Members \$110 for non-members Students: \$25****NON-MEMBER SPECIAL - Join ASPRS through this event registration for one year for \$140 includes the Meeting Registration and Lunch Buffet, Region Newsletters and mailers, one year subscription to PE&RS Magazine and all the member benefits (voting rights, etc.). This would be a savings of \$55 over the standard dues and meeting registration.****+ Additional \$35 for the Baseball Game Ticket****Reserve and Send registration fee to:****AERO-METRIC, INC.****13400 68<sup>TH</sup> Ave. N.****Maple Grove, MN 55311****Attn: Miles Strain****763-420-9606**[mstrain@aerometric-mn.com](mailto:mstrain@aerometric-mn.com)**OTHER ACTIVITIES AND NOTES OF INTEREST :**

- Professionals interested in acquiring CEUs (Continuing Education Units) the program will offer 0.5 credits through Indiana State University for a flat rate of **\$25**.
- 5pm Social will be at Miller Park for the Milwaukee Brewers vs. Minnesota Twins Baseball Game. Note, group discount ticket price is tentatively set for **\$35** and is in addition to the Meeting Registration Fee.
- A Saturday Morning Golf Social (Inter-State or Inter-Regional) Best Ball or Scramble format Challenge/Tournament is also being planned. Door Prizes for all who attend. As always, door prize donations are always welcome. Again, this will be an additional fee to be determined. Please let Miles know if you are interested.

**Urban Remote Sensing and Transportation Technical Program****Friday, June 13, 2008****Meeting Location: Delafield Brewhaus Banquet Hall Basement****Delafield Brewhaus****3832 Hillside Drive****Delafield, WI 53018****Phone: 262-646-7821****Email: [tknutson@delafeld-brewhaus.com](mailto:tknutson@delafeld-brewhaus.com)****West of Exit County West of the Hotel across the Freeway to the South.**<http://www.delafeld-brewhaus.com/find.asp>**8:00 - 9:00am Registration****9:00am Introductions (15 min)**

- **9:15am Speaker 1 (30 min):** Qihao Weng, Indiana State University, Urban Remote Sensing: Practice, Problem and Prospect
- **9:45am Speaker 2 (30 min):** Prof. Changshan Wu, University of Wisconsin-Milwaukee, Quantifying High-Resolution Impervious Surfaces Using Spectral Mixture Analysis
- **10:15am Speaker 3 (30 min):** Greg Rybarczyk, University of Wisconsin-Milwaukee, Assessing the Impact of Network Topology on Recreation and Utilitarian Bicycle Travel

**10:45am: Break (15 min)**

- **11:00am Speaker 4 (30 min):** Xuefei Hu, Indiana State University, Estimating and Mapping Urban Impervious Surfaces with Neural Network
- **11:30am Speaker 5 (30 min):** Rama Prasada Mohapatra, University of Wisconsin-Milwaukee, Incorporating climatic information and landscape metrics into neural network classification for sub-pixel imperviousness estimation

**LUNCH BUFFET** (cost included with program fee)**Noon Program: Interstate 35W Bridge Collapse****Speakers:** Pete Jenkins, Mn/DOT and Miles Strain, Aero-Metric, Inc.

- **1:00pm Speaker 6:** Umamaheshwaran Rajasekar, Indiana State University, Modeling Urban Heat Islands with Satellite Imagery
- **1:30pm Speaker 7:** Prof. Bocai Hu, University of Western Michigan, Modeling road centerlines and predicting lengths in 3-D using LiDAR point cloud and DEMs.
- **2:00pm Speaker 8:** \*Tentative\* John Ray, Office of Aerial Engineering, OHDOT, LiDAR accuracy assessment techniques
- **2:30pm Speaker 9:** \*TBD pending time constraints\*

**3:00pm: Break****3:15- 4pm: Wrap-up****Travel and dinner at Miller Park****Please note that the above information on the meeting is also available on WGL's web site at:**<http://www.asprs.org/wgl/summerMeeting/Technical%20Program%20-%202008%20ASPRS%20WGL%20Summer%20Meetings.%20May%205%20version.pdf>

**BAE Systems** has openings for:

**Photogrammetric/Mapping Technician II Req. No: 508505**  
(Pittsburgh, PA)

2-5 years geospatial analyst or production exp preferably in the military or intelligence communities. US Citizenship required. Positions are subject to government security investigation and must meet eligibility requirements for access to classified information. Working level knowledge of advanced computer graphics applications. Must be able/willing to work 2nd shift. Technical/trade school major or AS in CADD, Cartography, Land Surveying, or Civil Engineering Technology. BA in Geography, GIS, Cartography or Environmental/Earth Sciences is preferred.

**Photogrammetric Technician Trainees Req. No: 508437**  
(Pittsburgh, PA)

Technical/trade school major or AS in CADD, Cartography, Land Surveying, or Civil Engineering Technology, or equivalent related work exp. US Citizenship required. Position is subject to US government security investigation and must meet eligibility requirements for access to classified information. Working level knowledge of advanced computer graphics applications. Must be able/willing to work 2nd shift.

**For more information or to apply visit <http://careers.na.baesystems.com> or contact Danielle Vilenov at (703) 668-4129 or fax resume to: (703) 668-4387.**

BAE Systems is an equal opportunity employer.

## Welcome New Members!

Please join me in welcoming the newest members to the Eastern Great lakes Region!

<b>Maruthi Sridhar Balaji Bhaskar</b>	Bowling Green, OH
<b>Sagar Shriram Deshpande</b>	Columbus, OH
<b>Brian E. Foster</b>	Dayton OH
<b>Wook Rak Jung</b>	Kalamazoo, MI
<b>Jason Karl</b>	Haslett, MI
<b>Aaron B. Lawrence</b>	Dayton, OH
<b>Patrick Lawrence</b>	Toledo, OH
<b>Kari A. Maszle</b>	Munhall, PA
<b>Bob McKenzie</b>	Pittsburgh, PA
<b>Adam Milewski</b>	Kalamazoo, MI
<b>Gerald Nordlund</b>	Newaygo, MI
<b>Panu Srestasathien</b>	Columbus, OH
<b>Aaron Stryker</b>	Ann Arbor, MI
<b>George Thomas Williams</b>	Pittsburgh, PA
<b>Chuanrong Zhang</b>	Kent, OH



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### Robert Burtch Named New ASPRS National Workshop Coordinator

teaching for 28 years. Currently he is the faculty advisor to the Burt and Mullett Student Chapter of the American Congress on Surveying and Mapping. He assisted in the development of the MAPPS photogrammetric technician training program at Ferris and has authored and presented over 50 papers on various topics in geomatics. Burtch received his Master's Degree in Geodetic Science from The Ohio State University.

In addition to his ASPRS membership, Burtch has been an active member of a number of other professional organizations, including the American Society of Civil Engineers (ASCE), the American Congress on Surveying and Mapping (ACSM), and the Michigan Society of Professional Surveyors (MSPS). He was editor to the *Journal of Surveying Engineering* for seven years and currently helps review papers for that journal as well as *Photogrammetric Engineering and Remote Sensing* and the *Surveying and Land Information Science* journal. He served as the 2003-2004 President of the MSPS. Committee assignments over the years include: GIS Legislation Advisory Committee to the Michigan Senate (1992-1993), Task Force on the NCEES Model Law for Surveying (1997-2003), ASPRS Photogrammetry Exam Writing Committee (2004-present), ACEC\_M Surveying Excellence Awards Committee (2006-present), and the MAPPS Geospatial Products & Services Excellence Awards Committee (2007). He received the ASPRS Ford Bartlett Award in 1989 and Merit Award in 1994 and 1998.



Roger Gauthier conducts

## EGLR visits National Museum of the United States Air Force and launches New Board

The Eastern Great Lakes Region of ASPRS held its annual Winter Meeting at Woolpert, Inc.'s new offices in Dayton, OH. The weekend kicked off with the business meeting Friday morning. New officers were announced and sworn in. Roger Gauthier handed out certificates of appreciation to members of the region for various volunteer activities.

After the business meeting attendees gathered for lunch at The Golden Coral.

Three technical sessions were presented by Woolpert in the afternoon. The history of Woolpert Geospatial Services, Managing a Mapping Project from Concept to Conclusion, and Vertical Obstruction Mapping for Aviation.

The afternoon closed with some networking time, and a grandiose tour of the Woolpert Facilities and dinner was held at Quaker Steak and Lube.

Saturday some of the conference attendees met for an optional tour of the National Museum of the United States Air Force located on Wright



Learning about managing a mapping project



Touring Woolpert's facilities



viewing stereo imagery



Dinner at Quaker Steak and Lube



An up-close look at the R &amp; D planes at the National Museum of the United States Air Force

**Mark your calendar for the next regional meeting to be held jointly with WGL Region in Waukesha, WI. Join us for an Urban Remote Sensing and Transportation technical program, Milwaukee Brewers vs. Minnesota Twins baseball game at Miller Park, a Saturday morning golf social (best ball or scramble) and more.**