President’s Message

Welcome back to the Region’s newsletter! This newsletter is a small step in the path of bringing people with similar interests together. Whether you joined the region for networking opportunities or to stay on top of advancements in the field or for any other reason, it really is important to get involved in order to receive the full benefits of your membership. Getting more involved with the region can help you to stay connected with your fellow peers and to stay in tune with technology advancements.

One of the more simple ways to get involved with the region is to attend one of the upcoming meetings. We currently have a winter technical meeting scheduled in Rochester on March 6, and we are in the process of planning the annual meeting.

Another way to get involved is to volunteer to be part of the region’s council. The council consists of the elected officers plus a minimum of 3 additional councilors including a student member. We are always seeking people with an interest to be part of the region’s council. If you are interested in getting involved with the council you can contact me via email at kkwasnowski@groundpointllc.com or any other council member to let us know. Your geographic location doesn’t matter. You can become involved in the council no matter where you live within our very large region. It really is a great opportunity to play a more active part in the Region.

One of the ways that our organization is getting more involved is to collaborate with other organizations in the region. We often co-sponsor events and technical meetings with other organizations and we recently began to collaborate with the NYS GIS Association. We will be sending pertinent announcements from the NYS GIS Association on to our membership via email and vice versa.

If there is one thing I’d like you to take away from this newsletter is that it is never too late or too early to get involved in your regional ASPRS society! I hope to see you at the next technical meeting or to hear from you that you are interested in participating as a council member.

Karen Kwasnowski
GroundPoint Technologies
Marcellus, NY

National Director’s Request

In recent newsletters I have been encouraging you to contact me, or any of the region officers, with your thoughts on the society. Please let us know what you like and dislike. Which aspect of ASPRS is providing the most value to you now, e.g., the professional network, the conferences, the website? What you would like to see in the future?

How can we better serve you?

John T. Boland, CP
ITT Exelis

Want to stay informed – Update your email address!

We will be going completely digital with our newsletter by the end of this year. If you would like to keep receiving the newsletter, and other Region announcements, then we need your email address. You can update your email address by going to the National website at asprs.org and login to preview and edit your profile. Your default username is your membership number. If you can’t track down your membership number, or username, contact Sokhan Hing at sokhanh@asprs.org to ask for your member number.

Region Council

The CNY ASPRS Region Council is comprised of a President, Vice-President, Past-President, Secretary-Treasurer, and National Director. In addition, there are several board members on the Council who are appointed by the current President.

If you have an interest in serving on the Region Council, now or down the road, contact any current Council member. We are always eager to get new people engaged in the society. Getting involved with the Region Council is a great way to become actively involved in ASPRS and help shape the direction of this organization.
Central New York Region News

Nominations for 2013 Region Officers

Are you a member of the Public Sector? The next Vice-President, (position starting May 2013) will be a representative from the government sector.

The Vice-President serves an one year term and then moves to the role of President in year two.

Your key responsibilities as Vice-President are to strengthen our membership, oversee the Region’s annual Students of the Year Awards, and act on behalf of the President in that person’s absence.

The Region also annually elects a Secretary/Treasurer. The Secretary/Treasurer serves for one year and there is no requirement that this person be drawn from any particular sector. The primary duty of the Secretary/Treasurer is to maintain records for the Region, including minutes of meetings and financial records. This person receives and disburses Region funds, supervises fiscal activities, submits interim and annual fiscal reports to the Region and coordinates the submittal of an annual Region Report to National ASPRS.

Serving the region brings great networking opportunities all the way through to the national level. It also provides technical enlightenment and is a service to the industry.

Nominations for consideration by the committee will be accepted through March 17, 2013. Additional nominations may be made by a written petition signed by five (5) members in good standing forwarded to the Secretary-Treasurer by April 1. Nominees will be asked to submit short statements explaining their background and why they wish to serve. Please consider it!

If you would like to make an impact in our region and ASPRS, please email Past President Jennifer Barber at jennentropy@gmail.com.

It's never too early to start thinking about serving the CNY ASPRS Region!

Future Dates

CNY Region Winter Meeting with the IEEE Geoscience and Remote Sensing Western New York Chapter: March 6, 2013, 4-5pm, at the RIT Carlson Center for Imaging Sciences, Rochester, NY: Recent developments in photogrammetric orientation of close-range image networks and high-resolution satellite imagery

CNY Region Annual Meeting at the GIS/SIG Annual Conference: Tuesday, April 16, 2013, Rochester, NY


ASPRS/ CaGIS 2013 Fall Specialty Conference October 29-31, 2013: Crowne Plaza San Antonio Riverwalk, San Antonio, Texas

What are some of the benefits to joining ASPRS?

Recently, our vice president, Trevis Gigliotti, broadcasted this question. Steve DeGloria, a longtime member and officer of the CNY Region and National President-Elect, responded with the following:

How much time do we have…?

For me, ASPRS is the only professional society that encompasses and advances imaging and geospatial science and technology that I need to do my day job. The opportunity to learn from, network with, and mentor fellow geospatial scientists and practitioners is very gratifying to me. I am certainly preaching to the choir here, but having our own succinct and cogent answers to Trevis’ question is critical. Having a vibrant local, regional technical program focused on annual action items defined by our national divisions trumps anything our society can do once or twice per year on the national stage. Looking forward to our next regional technical meeting…

Take care all,

Steve

Headquarters is constantly challenged by the members on the “relevancy” of an ASPRS membership. This link: http://www.asprs.org/About-Us/What-is-ASPRS.html, highlights some of the benefits and advantages of joining ASPRS.
ASPRS Restructuring Task Force Update

The purpose of the ASPRS Restructuring Task Force (RTF) is to examine our current national and regional organizational structure and to generate specific recommendations and action items for Board consideration that sustainably advance the mission of ASPRS for the benefit of all members and the imaging and geospatial information community at large. The RTF was an outgrowth of the Rebranding Task Force (2011) in which a number of issues, or action items, were defined and subsequently melded into the charges of the RTF. Some action items continue under the auspices of the Rebranding Task Force and some action items have been assumed by relevant standing committees.

The vision of the RTF is focused on: (1) strengthening the relevancy our professional society; (2) improving governance nationally and regionally; and (3) providing more learning, networking, and mentoring opportunities. These goals can be achieved by delivering technical programs that implement the goals and objectives of our strategic plan, increasing region-based technical programs coupled with a de-emphasis on national conferences, promoting student and young professional engagement and leadership, and strengthening the impact of our peer-reviewed publications.

Specific restructuring issues being addressed by the RTF include: (1) the philosophical basis, vision, and value proposition of ASPRS that can be articulated to the geospatial community and used to formulate recommendations for governance entities within our organization; (2) improvement of national and region officer training with respect to webinar content, audience, and timing; (3) modification of our organizational structure that encourages locally-based technical programming, virtual thematic affiliations of members within and between regions, and de-emphasis of physical geography and firm boundary conditions; (4) re-organization of our conferences and technical meetings that recognizes more diverse imaging and geospatial needs of our membership and audience; (5) enhancement of publication policies relevant to our PE&RS journal and general interest articles and columns; and (6) mechanisms to enhance student, associate, and young professional learning, networking, and mentoring opportunities.

Several recommendations and action items are being developed for each of the restructuring issues listed above for presentation to the Board of Directors at our annual conference in Baltimore in late March 2013. Task Force members include representatives from twelve regions; four national officers; two technical divisions, standing committees, and councils; and selected national headquarters staff.

Steve DeGloria,
ASPRS President-Elect (’12-’13)

ASPRS Certification Program
Accredited by CESB

The ASPRS certification programs have received accreditation from the Council of Engineering and Scientific Specialty Boards (CESB). CESB voted to approve accreditation for the professional Certified Photogrammetrist, Certified Mapping Scientist/Remote Sensing, and Certified Mapping Scientist/GIS-LIS programs, along with three related technologist certification categories: Photogrammetric Technologist, Remote Sensing Technologist and GIS/LIS Technologist.

During the review process leading to accreditation, CESB required ASPRS make a few minor changes to the Programs, including: shifting the continuing education requirement from a points-based system to Professional Development Hours (PDH); increasing the PDH requirement from 75 hours to 100 hours for the professionals and 50 hours to 60 hours for the technologists; re-designating the “provisional” certifications, designed to assist students during their transition to professional status, as “interns”; and isolating any training related to the Program. However, the strong foundations of the existing certifications have been retained and enhanced.

CESB is an independent, voluntary membership body created for its member organizations who recognize, through specialty certification, the expertise of individuals practicing in engineering and related fields. CESB awards accreditation in three-year epochs; the ASPRS accreditation runs through December 31, 2015.

Information regarding the requirements and guidelines for ASPRS Certification can be found online at http://www.asprs.org/Certification-Program/Certification-and-Recertification-Guidelines.html.
ASPRS Central New York Region
Financial Statement
1 Jan 2012 - 31 December 2012

INCOME

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dues</td>
<td>$163.55</td>
</tr>
<tr>
<td>Region Rebate</td>
<td>$0.00</td>
</tr>
<tr>
<td>Region Conferences</td>
<td>$0.00</td>
</tr>
<tr>
<td>Interest</td>
<td>$0.00</td>
</tr>
<tr>
<td>Dinner Meeting</td>
<td>$0.00</td>
</tr>
<tr>
<td>Student of the Year Award</td>
<td>$0.00</td>
</tr>
<tr>
<td>Gifts</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$163.55</strong></td>
</tr>
</tbody>
</table>

EXPENDITURE

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region Conferences</td>
<td>$0.00</td>
</tr>
<tr>
<td>Dinner Meeting</td>
<td>$0.00</td>
</tr>
<tr>
<td>Student of the Year Award</td>
<td>$0.00</td>
</tr>
<tr>
<td>Postage</td>
<td>$0.00</td>
</tr>
<tr>
<td>Office Exp</td>
<td>$0.00</td>
</tr>
<tr>
<td>Contributions</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$0.00</strong></td>
</tr>
</tbody>
</table>

ASSETS

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Shares (Savings Account)</td>
<td>$3,670.26</td>
</tr>
<tr>
<td>12 Month Certificate</td>
<td>$4,868.44</td>
</tr>
<tr>
<td>Share Draft (Checking Account)</td>
<td>$163.55</td>
</tr>
<tr>
<td>Petty Cash</td>
<td>$83.62</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$8,785.87</strong></td>
</tr>
</tbody>
</table>

LIABILITIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$0.00</strong></td>
</tr>
</tbody>
</table>

TOTAL AVAILABLE FUNDS

<table>
<thead>
<tr>
<th>Assets - Liabilities</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$8,785.87</strong></td>
</tr>
</tbody>
</table>

GIS/SIG 22nd Annual Spatial/Digital Mapping Conference
co-hosted by Central New York ASPRS
Tuesday, April 16, 2013
Burgundy Basin
1361 Marsh Road
Pittsford, New York 14534

GIS/SIG is the Rochester / Genesee / Finger Lakes GIS User Group. This is a great opportunity to attend a well-respected one-day GIS conference, with a fantastic line-up of speakers, without incurring large travel expenses!

Call for Presentations

GIS/SIG is actively seeking presentations for the GIS/SIG 22nd Annual Spatial/Digital Mapping Conference. If you are interested in presenting at the GIS/SIG Conference or would like to recommend a presentation, please contact us at gis-sig@gis-sig.org, or contact any GIS/SIG Board Member. Remember, conference presentations are a great way to earn GISP points!

For more information on the conference, please visit the GIS/SIG Conference page at http://www.gis-sig.org/conference.html. Watch for the conference agenda to be sent out and posted soon!

Remote Sensing call for presentations

The Region will be hosting a multi-speaker session relating remote sensing applications to GIS at the GIS/SIG conference. We will need to come up with 2-4 RS related presentations for the conference. Please let Karen Kwasnowski know if you want to volunteer yourself or someone else for an interesting remote sensing talk.

CNY Region Annual Meeting

The CNY Region Annual Meeting will follow the GIS/SIG conference at the same location. There will be a separate registration for our Dinner Meeting. Look for details in the future.

1: Did you watch the LANDSAT 8 Launch?
CNY Region Winter Technical Meeting

Wednesday, March 6, 2013
4:00 – 5:00 pm
RIT Chester F. Carlson Center for Imaging Science;
Building 76, Room 1125
54 Lomb Memorial Dr
Henrietta, New York 14534

“Recent developments in photogrammetric orientation of close-range image networks and high-resolution satellite imagery” presented by Dr. Clive S Fraser.

The CNY ASPRS region is co-sponsoring the winter technical meeting with IEEE Geoscience and Remote Sensing Western New York Chapter (GRSS WNY). Please join us at the RIT Carlson Center for Imaging Sciences for a presentation entitled “Recent developments in photogrammetric orientation of close-range image networks and high-resolution satellite imagery” presented by Dr. Clive S Fraser. A no-host dinner will follow the presentation at one of the restaurants near the RIT campus.

Dr. Clive S. Fraser; Program Science Director, CRC for Spatial Information; Professorial Fellow, Dept. of Infrastructure Engineering; University of Melbourne, Australia

This talk overviews recent research work in photogrammetry being undertaken at the University of Melbourne. The focus of the presentation is upon developments in high-precision sensor orientation and calibration in both close-range photogrammetry and for high-resolution satellite imagery. In regard to close-range photogrammetry, fully automatic orientation and sensor calibration has been routinely applied for more than a decade, but only in structured networks, namely those utilizing either artificial targets or narrow baseline image configurations. Structure-from-motion (SfM) concepts developed in computer vision are now finding application within photogrammetry, but utilization of SfM approaches can prove problematic when metric integrity within the 3D measurement process has to be assured. The presentation will address automated orientation and calibration, and the potential of SfM models for close-range photogrammetry. Concepts will be illustrated via software demonstrations.

Ground control points (GCPs) are essential in the geo-referencing of high-resolution satellite imagery in instances where 1-pixel and even sub-pixel accuracy is sought. Basically, GCPs allow for the compensation of biases within the attitude sensors (star trackers) on the satellites and they are needed irrespective of whether a rigorous orientation model or an empirically derived model such as rational functions is employed. However, the establishment of GCPs is an expensive operation, especially for multi-scene geo-referencing. In order to overcome this problem, a new long-strip orientation technique has been developed, whereby the orbit and attitude parameters within a single strip of imagery can be adjusted using as few as four GCPs, irrespective of the length of the strip. Moreover, tie points between adjacent images in the strip are not needed. Pixel-level georeferencing accuracy is then possible for very long strips of images (e.g. >20 scenes) with just a few GCPs at each end of the strip. The developed sensor orientation model for long-strip adjustment will be overviewed and the results of tests with both Quickbird and ALOS PRISM HRSI will be reviewed.
Directions to CNY ASPRS Winter Technical Meeting

The RIT campus is located in Rochester, New York; about five miles from the New York State Thruway (Interstate 90), exit 46.

From the NYS Thruway: Take exit 46 and proceed north on I-390 to exit 13 (Hylan Drive). Take a left onto Hylan Dr. and continue north to Jefferson Road (Route 252), and take a left at the light. Proceed west a short distance to the main campus.

Once entering campus at the main entrance (indicated with a VERY large sign: "Rochester Institute of Technology, Founded 1829"), follow the signs to the Information Booth. If needed, the Campus Safety officer will issue a parking pass and provide directions to the Carlson Center for Imaging Science Building.
Undergraduate Student Prize: cash award of $500.00, a one-year ASPRS Membership, and a certificate

Graduate Student Prize: cash award of $500.00, a one-year ASPRS Membership, and a certificate

Students with an interest in photogrammetry, remote sensing or geospatial information systems are encouraged to apply. You are not required to be a student member of the Society at the time of application; however, you must be matriculated in the Central New York Region: Upstate New York, Vermont and North Central Pennsylvania.

Application Procedure: Prepare and submit the following items:
1. Cover letter
2. Resume
3. One page statement detailing any experience and participation the student has had in photogrammetry, remote sensing or geospatial information systems e.g. coursework, projects, research or work experience. The statement should also relate the expected role of photogrammetry, remote sensing or geospatial information systems in the applicant’s career.
4. Current course transcript. Note that the transcript does not need to be certified and should be submitted with the application.
5. Completed ASPRS Year 2013 Individual Membership Application form with appropriate documentation included.

Notes: Please include a phone number and email address where you can be reached. Past winners of the category may not apply for the same category. The first five applicants (by postmark date) will receive a one-year ASPRS student membership.

Submit to: Trevis J. Gigliotti
Exelis Inc.
400 Initiative Drive
Rochester, New York 14606
585.269.5381

Or Email to: trevis.gigliotti@exelisinc.com
Put “CNY ASPRS SOY” in the subject line

Application Deadline: Friday, March 15, 2013 (postmarked)
Award winners will be informed of the results during the week of April 2, 2013 and will be honored at the Central New York Region Annual Spring Meeting
Officers of the Central New York Region

President:
Karen Kwasnowski
GroundPoint Technologies
17 Highland Dr
Marcellus, NY 13108
kkwasnowski@groundpointllc.com
(315) 459-1515

Vice President:
Trevis J. Gigliotti
ITT Exelis Inc.
400 Initiative Drive
Rochester, New York 14606
(585) 26-3381
trevis.gigliotti@exelisinc.com

Secretary/Treasurer:
William M. Stiteler IV
Scientist / Statistician
ARCADIS
6723 Towpath Road,
PO Box 66,
Syracuse, NY 13214
(315) 671-9337 voice
(315) 449-4111 fax
william.stiteler@arcadis-us.com

National Director:
John T. Boland, CP
Senior Technical Associate
ITT Exelis
332 Initiative Drive
P.O. Box 60488
Rochester, NY 14606-0488
MAIL CODE: 39700
585.269.5057
john.boland@exelisinc.com

Immediate Past President:
Jennifer Barber
Madison County
Office of Real Property Tax Services
PO Box 284
Wampsville, NY 13163
jennentropy@gmail.com

Newsletter Editor:
Paul Szemkow
Environmental Resources Engineering,
402 Baker Lab
SUNY-College of Env. Science & Forestry
1 Forestry Drive
Syracuse, NY 13210-2778
(315) 470-6635 voice
(315) 470-6958 fax
pszemkow@esf.edu

Council Members:
Lindi Quackenbush
SUNY-ESF
402 Baker Lab
1 Forestry Drive,
Syracuse, NY
(315) 470-4727 voice
(315) 470-6958 fax:
lquack@esf.edu

Current Vacancy:
Contact Karen if you are interested, or wish to nominate someone.

Student Representative:
The region is looking for an enthusiastic student representative to serve in 2013.

Central New York Region Home Page:
http://www.esf.edu/asprs

DEADLINE FOR NEXT ISSUE:
March 15, 2013