

THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

EASTERN GREAT LAKES REGION



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Inside this issue:

Conference Great Success	1
Great Lakes Regional Data Exchange	1
EGLR New Regional Directors	2
Tease your Brain	2
Student Chapter News	3
New Members	4
Winter Meeting to be held in Dayton, OH	4
Open Positions	5
Nominee Biographies	7
Ballot	8

December 2007

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Co-Hosted Conference Great Success!

The Eastern Great Lakes Region – American Society of Photogrammetry and Remote Sensing (EGLR-ASPRS), in conjunction with North Central Chapter of the Society of Wetlands Scientists (SWS-NCC) and the Great Lakes Observing System co-hosted a workshop on “Remote Sensing of Great Lakes Coastal Wetlands” September 13 and 14 at Cleary University in Ann Arbor, Michigan. The Workshop started with a tutorial on Wetlands Inventory and Monitoring Techniques presented by Dr. Charles E. Olson Jr., Professor Emeritus of Natural Resources, University of Michigan; 3 CEU credits were available for attendees.

Dr. Douglas A. Wilcox, Ecologist and Branch Chief, Great Lakes Science Center, U.S. Geological Survey spoke about Coastal Wetlands Monitoring Needs during lunch.

Roger Gauthier of Great Lakes Observing System and Great Lakes Commission spoke on Integrated Coastal Remote Sensing Protocol.

Nate Herold of



Chuck Olson, Roger Gauthier and Brian Huberty greet workshop registrants.

(Continued on page 3)



RDX Attendees enjoying lunch

Great Lakes Regional Data Exchange held in Ottawa

By Carolyn Merry, Ph.D.

Roger Gauthier (Great Lakes Commission and President, EGLR) organized the Great Lakes Regional Data Exchange (RDX) meeting the day before the Fall Technical Meeting of the Canadian Remote Sensing Society/American Society of Photogrammetry and Remote Sensing (CRSS/ASPRS). The purpose of the RDX meeting was to share information about technologies and methods to map and manage the Great Lakes – St. Law-

(Continued on page 4)

New Regional Directors take office



Greg Lemke is a ASPRS Certified Photogrammetrist who has worked in the mapping industry since 1985 after completing the Photogrammetric Mapping Technology program at Ferris State University. A project manager with Air Land Surveys in Michigan, he is responsible for cost estimating, project scheduling, final product QA/QC and client relations.



Carolyn J. Merry, Ph.D., is Professor and Chair of the Department of Civil and Environmental Engineering and Geodetic Science at Ohio State University (OSU), Columbus, Ohio. She also serves as the Director of the Center for Mapping at OSU. Dr. Merry's research interests involve using

remote sensing imagery and geographic information systems (GIS). Her interdisciplinary research interests are tied with the Center for Mapping and the Byrd Polar Research Center at OSU.

Current and past projects include analyzing high resolution imagery to map and count vehicles along highways as part of the University Consortium on Remote Sensing in Transportation initiative; mapping temperatures and surface turbidity patterns from AVHRR, MODIS and SeaWiFS satellite data; using satellite imagery to evaluate and map a tractor train traverse route from McMurdo Station to the South Pole, Antarctica; and, using Landsat-7 data for engineering applications as part of the OhioView Consortium.

During a sabbatical to the NASA Goddard Space Flight Center, she worked on educational outreach for the upcoming Landsat-7 satellite, including production of the Landsat-7 Teacher's Kit web site of teaching materials targeted for use by middle school teachers. She always welcomes graduate students that have an interest in any of the above research areas and advises students in OSU's Environmental Sciences Graduate Program.

Tease your Brain...

Contributed by Dr. Chuck Olson

Through the EGLR's Oral History Project, we are assembling a growing collection of reminiscences of the Emeritus members of ASPRS. Following are excerpts from one of these interviews. Can you answer the question: "Who Am I?"

"I am a mathematician who never took a course in photogrammetry in my life. My first involvement in this field came in 1954 when a consulting firm called and asked for help in making measurements from an oblique photograph. Helping solve this problem changed my career direction, and I was enticed to join ASP by Fred Doyle. I stayed in ASP and ASPRS because I liked it, and later became Director of what is now the Center for Mapping at The Ohio State University."

Don't forget to Vote! The Annual Election is underway. Please take the time to peruse the biographical information and submit your ballot. All votes must be in by January 25. Installation of new officers will take place at the Winter Meeting in Dayton, OH.

(Continued from page 1)

Co-Hosted Conference Great Success!

Coastal Services Center, National Oceanic and Atmospheric Administration presented, via telecom, an informative talk on Improvements to Coastal Change Assessment Program.

The session continued with a presentation by Laura Bourgeau-Chavez from Michigan Tech Research Institute about her Hybrid Radar and Multispectral Wetlands Mapping Prototype.

The afternoon concluded with a presentation by Dr. Ricardo D. Lopez of National Exposure Research Laboratory, U. S. Environmental Protection Agency. Dr. Lopez spoke about Airborne Hyperspectral Identification of Aggressive Invasive Species..

A sobering lecture by Dr. Alfred Beeton, former chief scientist, National Oceanic and Atmospheric Administration was presented during dinner. Dr. Beeton's lecture, entitled "Anthropogenic Impacts to the Great Lakes" was an eye opening experience describing how the wetlands have been impacted since the first settlement of Europeans in the Great Lakes region. He included disturbing facts and figures regarding the decline and distinction of many species of fish, pollution, and logging of the region.

Friday's program consisted of a field trip to the Detroit River and western Lake Erie. The morning began with an introduction to Dr. Bruce Jones, DDS. Dr. Jones gave a historical overview of the areas we would be visiting throughout the day.

The first stop the coach made was at Pointe Mouillee State Game Area, where participants were given a guided tour around the area. Joe, our guide, showed where they have burned and sprayed the Phragmites in several areas and how they seem to be keeping it under control with a scheduled maintenance of burn and spray approximately every five years. Attendees then moved on to Lake Erie Metropark where they hiked to the viewing area along Lake Erie and back to the park to enjoy a boxed lunch.

After lunch, the tour continued on to Humbug Marsh, and the Naval Air Station, Grosse Ile. It was extremely informative, Dr. Jones showed the well locations that the Navy had left unfilled in. While walking along many predatory birds and other animals could be seen, The tour included a hawk banding station, where the attendant demonstrated how the birds were caught, using non-native birds as lure, and banded while being confined into a tube made of cans.

The tour ended at the Detroit River International Wildlife Refuge. And while the afternoon did turn dark and a little chilly as the wind picked up, the predicted rain held off. The coach returned a very tired group back to Cleary University late afternoon. Overall the Workshop was extremely informative and demonstrated the need for monitoring of our countries wetland areas.

Student Chapter News

By Dean Merchant, Ph.D.

The OSU Chapter of the EGLR/ASPRS met on Tuesday, November 13th. The speaker was Prof. Chuck Olson, University of Michigan speaking on "Using Remotely Sensed Data in the Court Room".

The presentation was followed by a lively discussion regarding court room behavior, and associated remote sensing and photogrammetric antidotes.

Nora Csanyi is the current president and Mark Seidemann is current vice president for the OSU Student Chapter.



Prof. Carolyn Merry, Prof. Chuck Olson and OSU Student Chapter members.

Welcome New Members!

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

Diana Casey	Muskegon, MI
Jason Karl	Haslett, MI
Peter Joseph Glah	Harbor Springs, MI
Rachel Jennifer	Pittsburgh, PA
Kendra L. Walker	Ann Arbor, MI
Amy Arlene Williamson	Portage, MI
Li Zjang	Columbus, OH
Brian Romsek	Belmont, MI
Richard Becker	Kalamazoo, MI
Nathaniel Ovans	Big Rapids, MI
Kyung In Huh	Columbus, OH
Yunhang Chen	Columbus, OH
Shaojun He	Columbus, OH
I-Chieh Lee	Columbus, OH
Liza Kay Liversedge	Novi, MI
Lin Yan	Columbus, OH
Pete Giencke	Ann Arbor, MI
Guan Wang	Ann Arbor, MI

EGLR to Hold Winter Meeting in Dayton, OH

The Winter Meeting is scheduled for February 1 and February 2 at Woolpert, Inc. Facilities in Dayton, OH.

The morning will begin at 10:00 a.m. with the business meeting for the Eastern Great Lakes Region, followed by lunch at the Golden Coral restaurant.

Three technical sessions will be offered in the afternoon; History of Woolpert Geospatial Services, Managing a Mapping Project from Concept to Conclusion, and Vertical Obstruction Mapping for Aviation. There will be a tour of Woolpert's office after the technical sessions. A dinner will be held Friday evening at Quaker Steak and Lube. Saturday morning will begin at 9:30 AM with a Tour of the National Museum of the United States Air Force Located on Wright-Patterson AFB. Mark your calendars now for this opportunity to get together and get involved with the Eastern Great Lakes Region of ASPRS.

(Continued from page 1)

Great Lakes Regional Data Exchange

rence River system. The opening plenary session focused on transboundary information exchange with presentations by Milo Robinson (FGDC), Denis Poliquin (GeoConnections) and Greg Buehler (Open Geospatial Consortium). Breakout session topics included ecological monitoring and report, online geospatial communities, observing systems, land use transformations, and the Great Lakes Information Network – Metadata. Two of our own members of EGLR – Roger Gauthier and Mark Seidelmann –gave presentations during these breakout sessions. The last session of the day included a discussion panel on directions in data transport with talks by Philip Bogden (GoMoos), Carroll Hood (Raytheon), and Dave McIlhagga (DM Solutions Group). Presentations by all the speakers can be viewed at <http://rdx.glc.org/07/>. The evening was capped off with a curling event, with a great time had by all participants.



The evening was capped off with a curling event, with a great time had by all participants.

Michigan Tech Research Institute has openings for:

Assistant Research Scientist (Ann Arbor, MI)

This position is responsible for supporting programs focusing on the application of programming, statistics, and geospatial analysis to solving governmental and societal needs through the application of remote sensing and GIS. The ability to connect environmental models to decision support systems through targeted applications of coding and statistical analysis will be key for a successful applicant. Knowledge of spatial databases, mathematical programming, and spatial concepts is strongly recommended.

A bachelor's degree in GIS, natural resources, biological sciences or computer science, and one year related experience are required. A candidate with a master's degree or within one year of completion of a master's degree in GIS, natural resources, biological sciences or computer science is desired.

<http://www.admin.mtu.edu/hro/postings/rsrchengsci230mtrijul272007.07557.pdf>

Research Engineer I (Ann Arbor, MI)

Michigan Tech Research Institute (MTRI), located in Ann Arbor, MI, is seeking a candidate to fill the position of Research Engineer I. This position will support mathematical, statistical, programming, electronics, and geospatial research. The position will combine analytical skills with projects needing a variety of GIS, circuitry, and code-writing opportunities. Opportunities will exist for designing, implementing, programming, and testing electronic circuitry and hardware/software interfaces for in-situ data collection systems.

A master's degree in GIS, computer science, engineering, mathematics, or statistics and two years of experience; or a bachelor's degree in GIS, computer science, engineering, mathematics, or statistics and five years of experience are required.

<http://www.admin.mtu.edu/hro/postings/rsrchengsci240mtri-nov122007.07335repost.pdf>

Application materials can be sent to the Human Resources Office, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931. Complete job descriptions and applications are available at <http://www.admin.mtu.edu/hro/employ/index.shtml>, by email jobs@mtu.edu, or by calling 906-487-2280.

Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

Woolpert, Inc. has openings for:

Business Developer - Client Services Representative (Denver, CO)

Woolpert, Inc., a national, geospatial and information management services industry leader, is seeking a Business Developer to help grow our offerings in the Western U.S., with an emphasis on the Colorado, California and Arizona state and local government markets. Must have a minimum of 5 years' sales experience and a proven track record in building and maintaining solid, regional sales funnels. This position is primarily responsible for developing, managing, and guiding all sales activities in the Western region; designing and applying the sales strategy and sales plan; overseeing marketing activities for service oriented company; and developing marketing strategies. Previous sales experience in the Geospatial marketplace, including Photogrammetry, Surveying, Remote Sensing, GIS, Management Information Systems and/or Enterprise Information Systems is required. Bachelor's degree preferred. Must have strong computer skills (i.e.: Word, Excel, PowerPoint, and database management software).

GIS Technician (Dayton, OH)

GIS Technician with six years' experience. Will be responsible for active participation in the layout, design and preparation of planning graphics, mapping and GIS data sets from various sources. Proficient in both ESRI GIS and Autodesk and/

or Bentley CADD tools. Project responsibilities will include the design and development of maps using existing CADD and GIS data; development of new planning and mapping data sets and overlays; creation of new CADD and/or GIS data from various sources; management of CADD, GIS and/or database data files and final packing and structuring of data for customer delivery.

Photogrammetry Specialist, LiDAR Processing (Orlando, FL)

The successful candidate will have the chance to work for one of the airborne LiDAR technology pioneers in the U.S. and to help guide and grow our services as we move into the future. Position requires a Masters degree in GIS, Remotes Sensing, Geodetic Engineering, Geography or equivalent with 2-6 years' of experience with photogrammetric techniques, remote-sensing and or geodetic engineering. Duties include GPS/POS processing, sensor calibration, Quality Control/Assurance, data warehouse maintenance and project coordination with upstream and downstream departments. Experience implementing custom & commercial software applications with customization using Matlab, Perl, C++, Java &/or Visual Basic programming. Requires excellent communication & writing skills. Some limited travel may be required.

Photogrammetry Technician - Remote Sensing/LiDAR Specialist (Denver, CO)

The successful candidate will have the chance to work for one of the airborne LiDAR technology pioneers in the U.S.; helping to guide and grow our Western US offerings in LiDAR and value added services as we move into the future. Position requires a degree in GIS, Remotes Sensing, Geodetic Engineering, Geography or equivalent with 3-5 years' of experience with photogrammetric techniques, remote-sensing and or geodetic engineering. Duties include GPS/POS processing, sensor calibration, Quality Control/Assurance, data warehouse maintenance and project coordination with upstream and downstream depart-

(Continued on page 6)

(Continued from page 5)

ments. Experience implementing custom & commercial software applications with customization using Matlab, Perl, C++, Java and/or Visual Basic programming. Requires excellent communication & writing skills. Some limited travel may be required.

Photogrammetry Technician / Airborne LiDAR Specialist (Dayton, OH)

The successful candidate will have the chance to work for one of the airborne LiDAR technology pioneers in the U.S. and to help guide and grow our services as we move into the future. Position requires a Masters degree in GIS, Remotes Sensing, Geodetic Engineering, Geography or equivalent with 1-3 years' of experience with photogrammetric techniques, remote-sensing and/or geodetic engineering. Duties include GPS/POS processing, sensor calibration, Quality Control/Assurance, data warehouse maintenance and project coordination with upstream and downstream departments. Experience implementing custom & commercial software applications with customization using Matlab, Perl, C++, Java &/or Visual Basic programming. Requires excellent communication & writing skills. Some limited travel may be required.

Photogrammetry Technician / Geospatial Imagery (Denver, CO)

Digital Imagery Technicians with 2-6 years' experience. The chosen candidates will have the chance to work for one of the top mapping companies in the U.S. and work with the latest photogrammetric/geospatial technology. Position requires Associates or Bachelor's degree in Eng., GIS, Geography, or related field. Previous image editing, photogrammetric collection and/or cartographic editing experience a plus. Experience using MicroStation, Intergraph, ArcGIS, PhotoShop, OrthoVista and/or PCI Geomatics software preferred, but not required.

Photogrammetry Technician / Stereo Compiler (Denver, CO; Dayton, OH; Orlando, FL)

Stereo Compilers with 5-8 years' of ex-

perience for its growing Denver, CO office. The chosen candidate will have the chance to work for one of the top mapping companies in the U.S. and work with the latest photogrammetric/geospatial technology. Position requires Associates or Bachelor's degree in Eng., GIS, Geography, or related field or comparable experience. Previous photogrammetric collection and cartographic editing experience a plus. Experience using MicroStation, Intergraph, ArcGIS, DAT/EM, KORK, or Socet Set software preferred, but not required.

Photogrammetry Technician/ Cartographic Editor (Orlando, FL)

Cartographic Editor with 2-6 years of experience for its growing Orlando, FL office. The chosen candidate will have the chance to work for one of the top mapping companies in the U.S. and work with the latest photogrammetric/geospatial technology. Position requires Associates or Bachelor's degree in Eng., GIS, Geography, or related field or comparable experience. Previous photogrammetric and cartographic editing experience a plus. Experience using MicroStation, AutoCAD, Intergraph, ArcGIS, DAT/EM, KORK, or Socet Set software preferred, but not required.

Photogrammetry/Ortho Imagery Technicians (Orlando, FL)

Digital Imagery Technicians with 2-6 years' experience. The chosen candidates will have the chance to work in Orlando, FL for one of the top mapping companies in the U.S. and work with the latest photogrammetric/geospatial technology. Position requires Associates or Bachelor's degree or equivalent work experience in Eng., GIS, Geography, or related field. Previous image editing, photogrammetric collection and/or cartographic editing experience a plus. Experience using MicroStation, Intergraph, ArcGIS, PhotoShop, OrthoVista and/or PCI Geomatics software preferred, but not required.

Project Director - Photogrammetry (Dayton, OH)

Project Director that can foster, sell and perform complex geospatial mapping and imaging projects throughout the Western

US. The chosen candidate will have the chance to work for one of the top mapping companies in the US. Position requires a Bachelor's degree in Eng., GIS, Geography, or related field. Must be a Certified Photogrammetrist (or able to obtain) with at least 10 years' project management experience. Candidates must have excellent communication skills and significant client interaction experience.

Project Manager - Photogrammetry (Orlando, FL)

Photogrammetry Project Manager with eight or more years related experience. Successful candidate will have the chance to work for one of the geospatial technology pioneers in the U.S. and help guide and grow our technical capabilities as we move into the future. Position requires a B.S. in electrical engineering, computer science, photogrammetric engineering or related degree with 4-6 years' related software and/or hardware experience supporting Airborne LiDAR, digital imaging, stereo compilation and/or GIS processing applications. Experience implementing custom & COTS applications for geospatial data processing with programming knowledge of C++, VB, MDL, HTML and database design desirable. Ability to analyze client problems, envision solutions & develop those solutions using current state-of-the-art technology in a fast paced & challenging work environment. Some travel is required. Eligibility for U.S. DOD security clearance preferred.

Woolpert offers employees a competitive compensation package, as well as industry-leading benefits. Woolpert provides employees with challenging work assignments, opportunities for advancement and the technical and/or managerial training necessary to help you maintain your professional edge.

For more information about us, or to apply for one of our open positions, visit us on the web at <http://www.woolpert.com>. You can also forward your resume and cover letter to:

Vice-President

Robert C. Burtch has a Masters Degree in Geodetic Science from The Ohio State University and is currently a Professor in the Surveying Department at Ferris State University at Big Rapids, Michigan. He is a Professional Surveyor in Michigan and a Certified Photogrammetrist (ASPRS). He has developed a full-day workshop on Preparing for Certification that he presents regularly at ASPRS Conventions. He served six years as the Secretary-Treasurer of the Eastern Great Lakes Region (ASPRS) and is a Past President of the Michigan Society of Professional Surveyors. He is also a member of ACSM, ASCE, URISA, ION and The Photogrammetric Society.

Robert K. Vincent holds a an M.S. in Physics from the University of Maryland and a Ph.D. in Geology from the University of Michigan, and is currently a Professor in the Department of Geology at Bowling Green State University, Bowling Green, Ohio. He was a LANDSAT-I Principal Investigator while at the University of Michigan Willow Run Laboratories, and subsequently the founder and President of GeoSpec-tra Corporation and Biolmage Corporation in Ann Arbor, Michigan. He has been a Director of the OhioView remote sensing consortium and served as a member of the Board of AmericaView. In 2004 he received the Olscamp Research Award, the highest research honor bestowed by Bowling Green University on a faculty member. BGSU was awarded a patent in November 2006 for an algorithm he developed using LANDSAT-TM data to map incipient cyanobacterial blooms in lakes. Dr. Vincent founded and is the director of the Rotary District 6600 Global Satellite Water-Finding Office in the Department of Geology at Bowling Green State University.

Secretary-Treasurer

George Leshkevich, a research physical scientist and manager of the Great Lakes CoastWatch Program at the NOAA/Great Lakes Environmental Research Laboratory, has been involved with the interpretation of Great Lakes parameters and features, including ice cover interpretation, classification and mapping, and ocean color applications from aircraft and satellite imagery for over 25 years. Research and field work in both radar and optical properties (ice, snow, chlorophyll, etc.) and digital image processing of satellite imagery for classification and mapping of Great Lakes parameters using field collected data as "ground truth" has resulted in numerous publications. Background in airphoto interpretation, mapping, field data techniques, and GIS techniques was gained through undergraduate and graduate study in Physical Geography/Geology at Wayne State University. Knowledge of remote sensing and image processing theory, techniques, and applications was obtained in a graduate degree program in Remote Sensing at the University of Michigan. He is also a member of IEEE and IAGLR. He has served as Secretary-Treasurer of the Eastern Great Lakes Region (ASPRS) for the last six years and is willing to continue in this office.

Region Director (two to be elected)

John Antalovich, Jr. is the president of Kucera International, Willoughby, Ohio, a Sustaining Member of ASPRS, and has been a Region Director for the last two years.

Colin N. Brooks has a Master of Environmental Science degree from Duke University and fifteen years experience in applying remote sensing and GIS to issues in a variety of fields. He is currently Manager, Environmental Science Laboratory, Michigan Tech Research Institute, Ann Arbor, Michigan. Before joining MTRI he served as a GIS Specialist with the U.S. Forest Service Savannah River (South Carolina) Station applying spatial analysis tools to forest management and hardwood research (1993-1996), and ran a GIS Laboratory at the University of California – Berkeley (1996-2005) as part of the Integrated Hardwood Range Management Program (IHRMP) focusing on patterns of vineyard expansion and the impacts of oak woodlands, and using geospatial data for effective salmonid restoration. At MTRI he has analyzed environmental impacts of conservation programs and the relationship between land-use and water quality, and has worked with high-resolution data in solving transportation related issues including mapping wetlands and hydrologic flows near transportation corridors.

James K. Lein holds three degrees in Geography: a B.A. degree from San Francisco State University, an M.A. degree from San Jose State University, and a Ph.D. degree from Kent State University. He is currently a Professor of Geography at Ohio University, Athens, Ohio, where his teaching focuses on environmental geography, planning, physical geography and geographic techniques. His research interests are focused on monitoring of land-use/land-cover change, the integration of remote sensing and GIS in natural hazard risk assessment, and the incorporation of artificial intelligence methods in environmental decision making. He has been an active member of the EGLR Membership Committee for the last two years.

EGLR National Director

Sherry McGartland is a Geospatial Technician with BAE Systems in Pittsburgh, PA. She had more than twenty years experience as a database analyst and applications designer within the engineering and construction industries before embarking on a new career path in photogrammetry and GIS, earning her GIS Certificate in 2006. For the last year, she has been the Newsletter Editor of the Eastern Great Lakes Region.

Charles K. Toth holds Ph.D. degrees in Electrical Engineering and Geo-Information Science from the University of Budapest, Hungary, and is currently a Senior Research Scientist with The Ohio State University Center for Mapping. He is a Certified Photogrammetrist (ASPRS) and has been active in both ASPRS and ISPRS serving as Chair of the Photogrammetric Applications Division of ASPRS (2004-2006) and U.S. Correspondent to ISPRS Commission I (2004-2008). He was awarded an ASPRS Presidential Citation for Meritorious Service (2000), and First Place, ESRI Award for the best scientific paper on GIS (2005). He is also a member of IEEE, ION and SPIE.

**Eastern Great Lakes Region
American Society for Photogrammetry and Remote Sensing**

December 20, 2007

To: All EGLR Voting Members

Subject: Election of Officers

The Nominating Committee consisting of Chuck Olson (Chair) and Greg Lemke has developed the following slate of officers for your consideration. To be counted, **return your ballot** to Chuck Olson **by January 25th, 2008**.

Continuing with unexpired terms:

Past-President:	Roger Gauthier (automatically advances from President)
President:	Jason Heywood (automatically advances from Vice-President)
Region Director:	Greg Lemke

To be elected for **two year** terms:

Vice-President: ☐ Robert C. Burtch, Ferris State University, Michigan
(vote for one) ☐ Robert K. Vincent, Bowling Green State University, Ohio

Sec.-Treasurer: ☐ George Leshkevich, NOAA-GLERL, Michigan (incumbent)
☐ _____

Region Director: ☐ John Antalovich, Jr., Kucera International, Ohio (incumbent)
(vote for two) ☐ Colin N. Brooks, Michigan Tech Research Institute, Michigan
☐ James K. Lein, Ohio University, Ohio

To be elected for a **three year** term:

National Director: ☐ Sherry McGartland, BAE Systems, Pennsylvania
(vote for one) ☐ Charles K. Toth, The Ohio State University, Ohio

Return completed ballots to:

Charles E. Olson, Jr.
3327 Yellowstone Drive
Ann Arbor, MI 48105-1522

E-mail: colson147440MI@comcast.net