



## THE IMAGING & GEOSPATIAL INFORMATION SOCIETY EASTERN GREAT LAKES REGION

VOL. 04 No.1

### MEETING NOTICE - Save the date - June 19!

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Vacant

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The next EGLR meeting will be held on **June 19** at the Radisson Hotel Pittsburgh Green Tree, 101 Radisson Dr., Pittsburgh, PA 15205. Located a few miles west of Pittsburgh, the area is easily accessed from the parkway and attendees will not have to travel through the tunnels.

Arrival time is **12:00 noon to 1:00 p.m.** for check-in at a table outside the Duquesne Room. At **1:00 p.m. lunch** will be served in the Duquesne Room. The menu is:

Garden Green Salad-Assorted Dressings

Entree Choice: Chicken Marsala or Grilled Atlantic Salmon-Lemon Buerr Blanc Sauce

(Please choose from the above listed entrees when you RSVP)

Vegetable

Assorted rolls & butter

Beverage

Double Chocolate Layer Cake

Cost of registration plus lunch including tax and gratuity is \$20.00/person.

Lunch will be followed by two presentations:

**2:00 p.m. "Is Digital Aerial Photography Admissible?"** by Charles E. Olson, Jr., University of Michigan

**3:00 p.m. "ASPRS Standards Initiative"** by Kathy Peila, Tetra Tech NUS, GIS Specialist and the EGLR representative of the ASPRS Standards Committee. This will be followed by a discussion period including sharing concerns/suggestions/questions.

Please **RSVP by June 14** to Kathy Peila at [peilak@comcast.net](mailto:peilak@comcast.net) or (412) 921-8068 and include your choice of entree (chicken or salmon).

*Doubly Segmented Images for Pattern-Based Approach to Change Detection* report is available on the internet

The above report by **Dr. Wayne Myers** also has associated downloadable software. Information can be accessed through:

[www.psie.psu.edu/publications/2003\\_6/2003\\_6\\_web.pdf](http://www.psie.psu.edu/publications/2003_6/2003_6_web.pdf)

and

[www.psie.psu.edu/publications/2003\\_6/detail.asp](http://www.psie.psu.edu/publications/2003_6/detail.asp)

### EGLR Newsletters are on the ASPRS website

Added to the wealth of information on the ASPRS website, is now the EGLR newsletter that is issued four times a year. Region members are alerted by e-mail when an issue is published and printed copies are sent to those without e-mail addresses.

Read our news on the web, and browse to find society information and news of other regions.

### CALL FOR NOMINATIONS

The EGLR Vice President, Larry Christenson, has now filled the vacant President position. We need nominations to fill the **Vice President** position as well as a newly vacant **Region Director** position. These nominations are for offices to be filled for the remainder of current terms, a period of approximately 6 months. Nominations may be of someone else or self-nominations. Please send names to Chuck Olson at [colson147440MI@comcast.net](mailto:colson147440MI@comcast.net) by **April 30**. The ballot is planned to go out by May 5 and votes counted after May 20. Those elected will be notified before the ASPRS Convention in Denver, CO at the end of May.

## Seminar on the Progress of the Mars Exploration Rovers Spirit and Opportunity



April 27, 2004  
1:00pm – 2:00pm  
240 Math Building

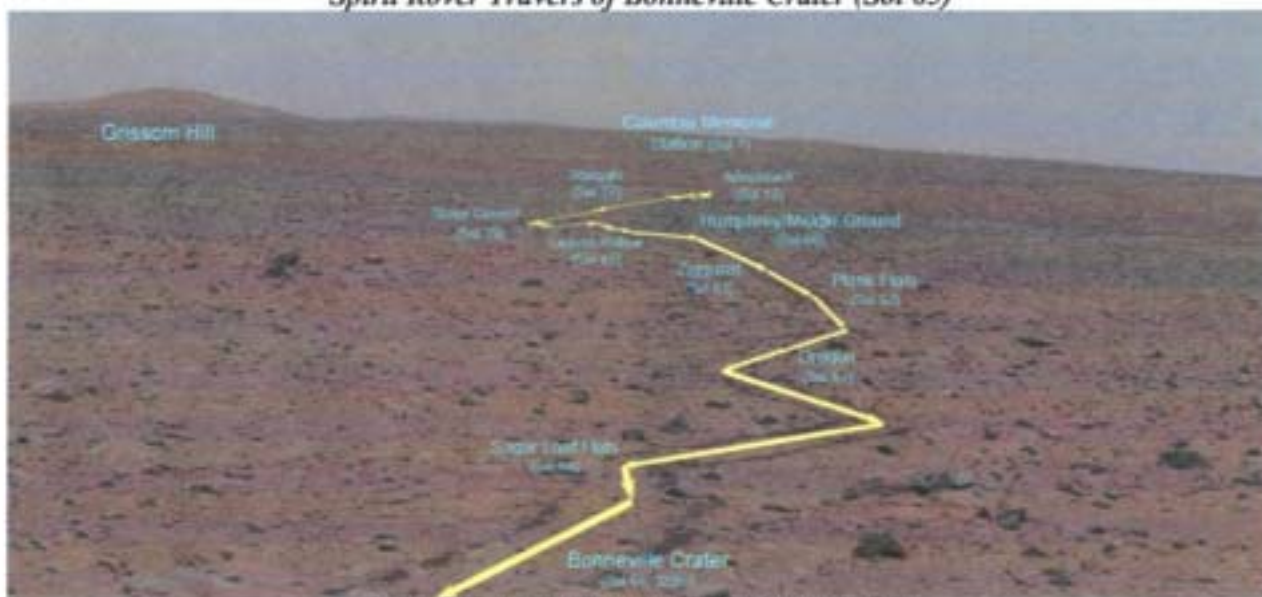
(second floor of Math Building at corner of Edith Cookins Hall)

Ohio State University Campus

### Mars Exploration Rover (MER) 2003 Mission 2nd Update on Rover Localization and Mapping Professor Ron Li, Participating Scientist

Mapping and GIS Laboratory  
Department of Civil & Environmental Engineering and Geodetic Science

#### *Spirit Rover Travers of Bonneville Crater (Sol 65)*

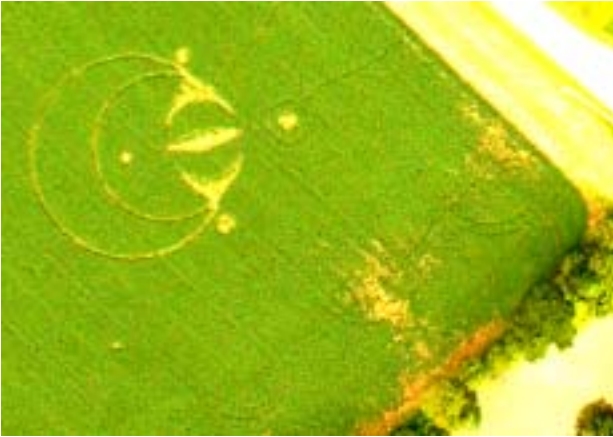


Mapping & GIS Laboratory, The Ohio State University

Dr. Ron Li, Professor of geodetic science at The Ohio State University (OSU) and participating scientist of the Mars Exploration Rover mission, has been working at NASA's Jet Propulsion Laboratory (JPL) in Pasadena, CA, and leading his team at OSU in performing high-precision landing site mapping and rover localization for the twin MER 2003 rovers Spirit and Opportunity. Employing photogrammetric bundle adjustment along with the MarsMapper mapping software developed at the OSU Mapping & GIS Laboratory, the team improved rover localization accuracy and produced 3D terrain models and maps from ground images taken by the rovers as well as orbital and descent images. These maps have been extensively used by mission scientists and engineers for short- and long-term planning and mission operations.

## Crop Circles in the EGLR *Extraterrestrial or Extra Bogus?*

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*Mound Vicinity Circles*

*Date of Photography 9/05/03*

During the late summer and early fall of 2003, there was a flurry of "crop circle" reports in the EGLR. Although most were clearly bogus (short tours of the crop circle fields were offered for a price), several occurrences were of unknown origin. Of those of unknown origin, there were distinct patterns in the bean fields of accurately constructed geometric and historically significant features. Construction is thought to have been accomplished by some means of radiation, not by mechanical methods. In the two cases depicted here, aerial photography was taken within a few days of their discovery. Photography was taken at about 1500 feet above ground with a calibrated Nikon D1X (20mm) camera. In the case of the Mounds vicinity circles, GPS at the exposure stations was also available.

Worldwide interest has been expressed in these circles due to the nature of the patterns and also due to the unknown way they were constructed. The crop circle in the vicinity of the Serpent Mounds is of particular interest due to possible relationships to ancient spiritual origins.

Currently, MANN Mapping of Hilliard, OH is compiling a map to aid in research of these phenomena. The folks at MANN are driven by curiosity and have not necessarily become believers as yet. What is your position on extraterrestrials?



*Ross County, OH Circles*  
*Date of Photography 10/06/03*