

## **ATTENTION ENVIRONMENTAL SCIENTISTS**

**SAVE THE DATE / SAVE THE LAKE**

*Thursday August 20, 2009*

### **The Great Lakes – World's Largest Freshwater Ecosystem**



#### **LAKE ERIE EXPERIMENT (LAKE-X 2009)**

#### ***Environmental Demonstration***

***Sponsored by the High Altitude Federation***

Army Space & Missile Defense Battle Lab, U. of Cincinnati, U. of Toledo, NASA GRC, SkySentry LLC, Western DataCom

- ***Panel Discussions at the Lake Erie Center, Toledo, OH***                      ***9:00 a.m. – 1:00 p.m.***  
***- Light lunch included -***

***What will you hear? An introduction to our work on Lake Erie environmental issues, the Federation's Aerostat-based sensor system, and an opportunity to voice your vision on what needs to be done and how we might help. A panel of scientists and engineers from universities, government and industry will present state-of-the-art technologies addressing environmental hazards, such as destructive Lake Erie algae, and listen to your concerns on what should be done regarding the health of our Great Lakes systems.***

- ***Demonstration at the Federation's aerostat sensor operation***                      ***1:30 p.m.***  
***- Bus transportation available -***

***What will you see? The Aerostat-centric sensor network is a proven and cost effective means to advance understanding of the environmental health of the western Lake Erie Basin and adjacent wetlands.***

***Demonstration*** will link sensors on several vehicles:

- 23,000 cubic foot Aerostat flying at 1000 ft. above the Lake, collecting and distributing real-time georeferenced hyperspectral and thermal high-resolution still and video imagery
- Cessna 172 aircraft with hyperspectral imager
- Small watercraft that will collect real-time water quality data and spectral signatures
- Ground vehicles collecting spectral signatures of a variety of land cover in the area

Visit [www.highaltitudefederation.com](http://www.highaltitudefederation.com) for updates and to register.

Questions, contact Susan Hennie, [Hennies@skysentry.net](mailto:Hennies@skysentry.net) or 440-220-2691.

Cost: \$30 registration fee in advance; space is limited; \$40 at the door if space is available.

*Aerostats offer a cost-effective long term means to elevate sensors, 24/7, to advance research on sedimentation flow, invasive species, turbidity, and other pollution impacts on aquatic ecosystems. This system can be available to you!*