

Great Lakes Planetarium Association

2006 Annual Conference

hosted by

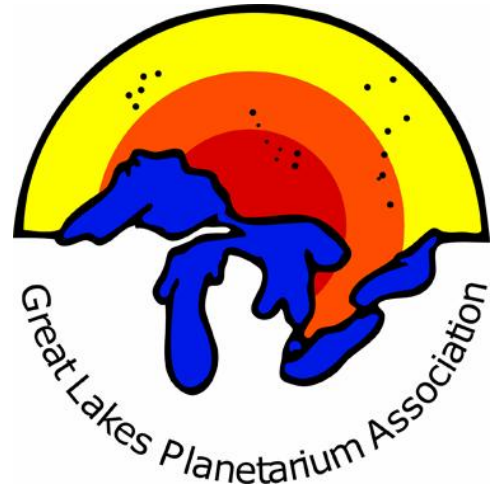
Merrillville Community Planetarium

Clifford Pierce Middle School

199 East 70th Avenue

Merrillville, Indiana 46410-3615

(219) 650-5486 www.mcpstars.org/glpa



May 18, 2006

Dear GLPA Members and Midwestern Planetarians,

We would like to invite you to attend the 42nd Annual Conference of the Great Lakes Planetarium Association in Merrillville, Indiana from October 25 to 28, 2006. Merrillville is centrally located in the GLPA region and is easily accessible from major interstates and highways. We've got some great speakers, eight exciting workshops, and several interesting side trips. And, we're eager to share our Hoosier hospitality with you.

Many planetariums in the GLPA region are based in K-12 schools and the majority of GLPA members have their roots in teaching. The Merrillville Community Planetarium is a part of the Merrillville Community School Corporation, a K-12 public school system in Northwest Indiana. Our planetarium serves a diverse student population. As our children go from kindergarten to 8th grade, they make 28 visits to the planetarium. We also offer programs for groups from outside the Merrillville schools and public shows as well.

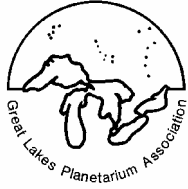
We know that many planetarians – especially from schools – are concerned about the cost of attending a professional conference. Thanks to favorable hotel room rates and a back-to-basics approach, the 2006 GLPA conference will be one of the least expensive conferences in the last several years.

We have several great partners who are making unique resources available to us. The Kavli Institute for Cosmological Physics at the University of Chicago is providing a speaker, a workshop, and a full dome display of current astrophysical data. The Challenger Learning Center in Hammond and Valparaiso University are opening their doors to share their facilities for a pair of optional side trips on Thursday evening. And, several vendors are sharing their expertise by offering workshops.

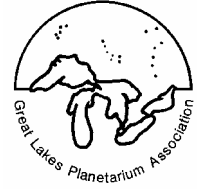
Whether your planetarium is in a school, university, or museum and whether you have a big dome or a portable dome, we think you'll find something valuable at the 2006 GLPA Conference. We look forward to seeing you in October!

Gregg L. Williams
Planetarium Director & Conference Host

Barbara A. Williams
Conference Host



**42nd Annual Conference of the
Great Lakes Planetarium Association
Merrillville, Indiana
October 25-28, 2006**



Conference Site and Location

The Merrillville Community School Corporation and its planetarium – the Merrillville Community Planetarium – are the hosts for the 2006 GLPA Conference. The Merrillville schools are a K-12 public school system with an enrollment of 6,800 students. Nearly all of the conference events will be held at Clifford Pierce Middle School, home of the planetarium. Pierce has enrollment of 1,100 and serves all of the 7th and 8th grade students in the Merrillville district. Pierce was selected as a National Blue Ribbon School for 1999-2000. Because fall break for the Merrillville schools is on the Thursday and Friday of the conference, all of Pierce's facilities will be available for our use. More information about the Merrillville schools and Pierce is available at www.mvsc.k12.in.us.

The Merrillville Community Planetarium has 64 seats under a 30 foot dome with a Spitz System 512 projector. The planetarium's slide projectors, special effects, and video system are operated by a Sky-Skan SPICE automation system. The planetarium presents around 700 shows per year to more than 31,000 visitors. Visitors can choose from fifty different programs that are available for viewing. The planetarium has a Waiting Area with a complete audio-video system, computers for visitors to use, NASA TV, and a roof-top weather station. Other features include a Gift Shop, roof-top observation deck, and a one-tenth scale model of the Space Shuttle *Endeavour* hung over the building's main entrance. Visit the planetarium's website at www.mcpstars.org.

Positioned at the southern tip of Lake Michigan and just south of Gary, Indiana – Merrillville is centrally located for the GLPA region. Merrillville is placed at the intersection of I-65 and U.S. 30, just south of Interstates 80/94. Merrillville has a population of 31,000 and is one of the retail and professional hubs of Lake County. Downtown Chicago is only 45 minutes away and the closest airports are O'Hare and Midway. Merrillville is in the Central time zone and is always on the same time as Chicago. You can learn more about Merrillville at www.townofmerrillville.com.

Conference Host

Your hosts for the conference are the staff and volunteers of the Merrillville Community Planetarium. Gregg Williams is the Planetarium Director and Barbara Williams is his wife. Show Presenters are Linda Charnetzky and Pam Gower. Pam Powell is the Gift Shop Manager. Students Assistants – from 8th grade to high school – and several volunteers will be helping with the conference.

Contact Information for Conference Host

email: glpa@mcpstars.org
phone: (219) 650-5486
website: www.mcpstars.org/glpa

Conference Hotels

The Lees Inn is the primary conference hotel for the 2006 GLPA Conference. Additional rooms are available at the nearby Comfort Inn. Both the Lees Inn and Comfort Inn are in the southeast corner of the intersection of I-65 and 61st Avenue (exit 255). Both hotels have a check-in time of 3:00 p.m. and check-out time of 12:00 noon.

The Lees Inn has a fitness center, indoor pool and spa and offers a complimentary hot breakfast buffet. Each room comes with a coffee maker and free high-speed wireless internet access. The Lees Inn is offering a conference rate of \$72 per night for both King Rooms (one king size bed) and Queen Rooms (two queen size beds). The tax rate on hotel rooms is 11%, bringing the total per night to \$79.92. To make reservations, contact the Lees Inn of Merrillville directly at (219) 942-8555 and ask for the GLPA rate. Or, use the promo code “glpa” to book online at http://www.leesinn.com/book_room/merrillville.htm.

The Comfort Inn has an indoor pool and offers a free continental breakfast. Each room comes with a coffee maker and free high-speed wireless internet access. The Comfort Inn is offering a conference rate of \$65 per night for rooms with one king bed or two queen beds. To make reservations, contact the Comfort Inn of Hobart/Merrillville at (219) 947-7677 and ask for the GLPA rate. A block of thirty rooms have been reserved until September 25. The web page for the local inn is www.choicehotels.com/ires/en-US/html/HotelInfo?hotel=IN422.

Transportation between the Lees Inn and Pierce Middle School will be provided by Merrillville school buses on Wednesday evening, Thursday, and Friday.

Meals

The conference begins with a dessert reception at Pierce Middle School on Wednesday evening. On Thursday, Friday, and Saturday mornings, the Lees Inn provides a complimentary hot breakfast buffet and the Comfort Inn provides a free continental breakfast.

Lunch on Thursday, Friday, and Saturday will be in the Pierce Middle School cafeteria. Thursday's menu features cheese, veggie, or sausage pizza, mixed salad, and bread sticks. Friday's lunch offers soup or salad, ham or turkey wrap, and a chocolate chip cookie. Lunch on Saturday consists of Chinese chicken salad, mandarin oranges, a fortune cookie and sherbet cup.

The banquet on Friday will be held at Gamba Ristorante, a new dining establishment in Merrillville. The evening begins with a cash bar. For the dinner entrée, choose from braised lamb shank on a bed of lentil or boneless chicken breast with whole grain mustard sauce. The entrées will be accompanied by homemade lasagna al forno, mixed vegetables, and lemon cannoli cake.

The meal package – Wednesday evening reception; lunch on Thursday, Friday, and Saturday; Spitz Banquet on Friday evening; and refreshment breaks on Thursday and Friday – is included in the conference registration fee. You may purchase an additional banquet meal for a spouse or guest.

Guest Speakers

On Wednesday evening, Professor Clem Pryke of the University of Chicago and its Kavli Institute Cosmological Physics will present “The History of the Universe and the Return of Einstein’s ‘Biggest Blunder’”. Professor Pryke designs, builds, and operates telescopes at the South Pole to investigate the nature of our Universe.

On Friday afternoon, Dr. James Kaler will present the annual Astronomy Update. Dr. Kaler is a Professor Emeritus of Astronomy at the University of Illinois. He is also an Honorary Life member and a Fellow of GLPA. Dr. Kaler’s annual Astronomy Update is a favorite of conference delegates.

On Friday evening following the GLPA banquet, Gene Zajac will present the Armand Spitz Lecture. Mr. Zajac is the Planetarium Director for the Shaker Heights School District, Shaker Heights, Ohio. His talk is titled “Making a Difference”.

On Saturday afternoon, Scott Lever from NASA’s Jet Propulsion Laboratory (JPL) will talk about his experience as a Tactical Uplink Lead Engineer with the Mars Exploration Rover (MER) mission. Mr. Lever will tell us about both the scientific and human side of working with MER in “Roaming Mars, a Personal Perspective”.

Special Presentation

Cosmologists at the University of Chicago have successfully integrated current astrophysical data into full dome visualizations. Josh Frieman, Randy Landsberg, and Mark SubbaRao will present “Full Dome Visualizations of Current Astrophysical Data”. This presentation will demonstrate the stunning effect of real scientific data in a planetarium with a series of interactive and fully rendered visualizations, narrated by a cosmologist steeped in the research. Learn about the science behind the pretty pictures and how you can use them in your planetarium. Full dome demonstrations will include:

- Large-Scale 3D Structure of the Universe as mapped by the Sloan Digital Sky Survey (SDSS) – a flight through hundreds of millions of observed galaxies, quasars, and clusters to the edge of the observable Universe.
- Dark Matter Evolution Simulation by Andrey Kravtsov & Nick Gnedin – dark matter makes up 22% of the Universe and yet it remains a mystery.
- Ultra High Energy Cosmic Ray Showers Simulations – immerse yourself in enormous cascades of particles that inspired a detector five times the size of Paris.

Optional Trips & Activities on Thursday Evening

Several optional activities are available on Thursday evening. Visit the Challenger Learning Center on the campus of Purdue University in Hammond, the planetarium and observatory at Valparaiso University, or enjoy the Northwest Indiana Symphony Orchestra's Pop Concert "Cosmic Escape".

At the Challenger Learning Center of Northwest Indiana, you will simulate a mission to Mars and experience a sneak preview of some of the latest innovations in Konica Minolta Planetariums, including their new 3-D MediaGlobe system. Konica Minolta is sponsoring a free buffet dinner including beer and wine for every delegate visiting the Center. Transportation is provided by a Merrillville school bus to and from the Center for \$5 per person. The trip is open to the first 40 people to sign-up. Visit the Challenger Center's website at www.clcnwi.com.

Valparaiso University has an enrollment of 4,000 students and is known for its liberal arts education and professional programs. Operated by the Lutheran University Association, Valparaiso University has a 16-inch DFM telescope with a CCD camera and a student planetarium with an Apollo Viewlex projector. Delegates visiting Valparaiso will also tour two architectural highlights of the campus – the Chapel of the Resurrection and the Christopher Center for Library and Information Resources. Transportation is provided by Merrillville school bus and a boxed meal on the bus is included for \$15 per person. The trip is open to the first 40 people to sign-up. For more information, visit the university's website at www.valpo.edu.

The Northwest Indiana Symphony Orchestra will be presenting "Cosmic Escape", a pops concert featuring the music of John Williams. The concert begins at 7:30 p.m. at the Star Plaza Theatre – one of the premiere concert and entertainment venues in the Chicago area. Tickets range from \$25 to \$60 and the Star Plaza Theatre is a five minute drive from the Lees Inn. If you're interested in attending the concert, contact the conference host for more information. Visit the symphony's website at www.nisorchestra.org and the Star Plaza Theatre at www.starplazatheatre.com.

Workshops

Several outstanding workshops are being offered on Thursday afternoon. Workshops are either 90 or 45 minutes long. Most workshops are free, but a few have an additional charge for materials.

Cosmic Analogies: The Good, the Bad & the Ugly – a 90 minute workshop. Presented by Dragan Huterer, Randy Landsberg, Hiranya Peiris, and Andrew Zentner. Representatives from the Kavli Institute for Cosmological Physics (KICP) will share and critique cosmology analogies used by planetarians, educators, and researchers themselves. They will offer their own favorite and least favorite analogies, explaining what they feel is good, bad, and just ugly about each. Audience participation will be encouraged. The discussion will also be fueled by analogies suggested by participants of previous KICP cosmology short courses who will be polled ahead of time via email for their contributions. The workshop is free and limited to 30 participants.

(workshop descriptions continue on the next page)

Star Light, Star Bright – a 90 minute workshop. Presented by Jeanne Bishop, Dayle Brown, and Susan Button. Participants in this hands-on workshop will experience a variety of activities and demonstrations inside and outside of the dome. The activities are designed to increase understanding of the nature of light and how it is used to learn about space. Participants will examine the eye's reaction to light and color, demonstrate the function of rods and cones, experiment with colors of light, make their own "Color Analyzers", create "Secret Messages", examine star colors, and explore invisible colors in the electromagnetic spectrum. There is no charge for this workshop, but participation is limited to 20 delegates.

Using Tactile Planispheres in the Planetarium – a 90 minute workshop. David Hurd will demonstrate how to use the planisphere and discuss how to work with participants who are blind that visit your planetarium. Limited to 20 participants. The first twelve to register will receive a \$60 tactile planisphere for free! Eight additional spots are available for those who already have a tactile planisphere or who are willing to purchase one for \$60. The free planispheres are provided by the Edinboro University of Pennsylvania Planetarium through a PLATO grant from DePaul University.

Digital Video Technologies for Planetaria and Exhibits – two 45 minute workshops. Presented by Mark Trotter. Bowen Technovation helped the planetarium community make the exciting leap into AstroFX digital video servers over the past eight years and has perfected the use of these tools. Long time planetarium director and Bowen Technovation staff member Mark Trotter will teach participants how to utilize and operate the latest-technology video servers with a focus on the new AstroFX MediaManager systems. The first workshop will serve as an introduction to digital video servers and the second workshop will concentrate on production techniques. There is no charge for either workshop, which are limited to 30 participants each.

DigitalSky 2 Software Training – a 45 minute workshop. Presented by Martin Ratcliffe and the Professional Development staff from Sky-Skan. The classroom-based workshop will offer a hands-on Master Class software training session for DigitalSky using laptop workstations. The workshop will be of most benefit to DigitalSky users. The free workshop is limited to the first 12 participants to sign-up.

Roaming the Universe in 3D – a 45 minute workshop. Presented by Martin Ratcliffe and others. Come and learn the latest about DigitalSky 2 from the Professional Development staff of Sky-Skan and the Digital Universe plug-in from the staff of the American Museum of Natural History. The planetarium-based workshop will introduce you to the newest visuals from DigitalSky2 and the Digital Universe plug-in. There is no charge for the workshop and participation is limited to 50.

A Simple and Programmable Lens Shutter for Your LCD Projector – a 45 minute workshop. Presented by Dave DeRemer. LCD projectors are portable, relatively inexpensive and quite handy for PowerPoints or video segments during programs. The main concern, however, is that when there is no video section showing, the LCD projectors leave an annoying large gray rectangle on the dome. Our solution is not really unique or innovative, but it works! With a special geared motor, a transformer and a light baffle, you can create your own LCD video shutter. The cost for materials is \$20 and the workshop is limited to 10 participants.

Tentative Conference Schedule

Wednesday, October 25, 2006

9:00 a to 5:00 p Executive Committee meeting
 6:20 & 6:40 p buses leave for Pierce
 6:30 to 7:00 p new member orientation
 6:45 to 7:30 p dessert reception
 7:30 to 8:30 p | planetarium show
 Vendor Presentations
 8:30 to 9:30 p speaker, Professor Clem Pryke, "The History of the Universe..."
 9:30 to 10:00 p Vendor Presentations
 10:15 p buses return to hotel

Thursday, October 26, 2006

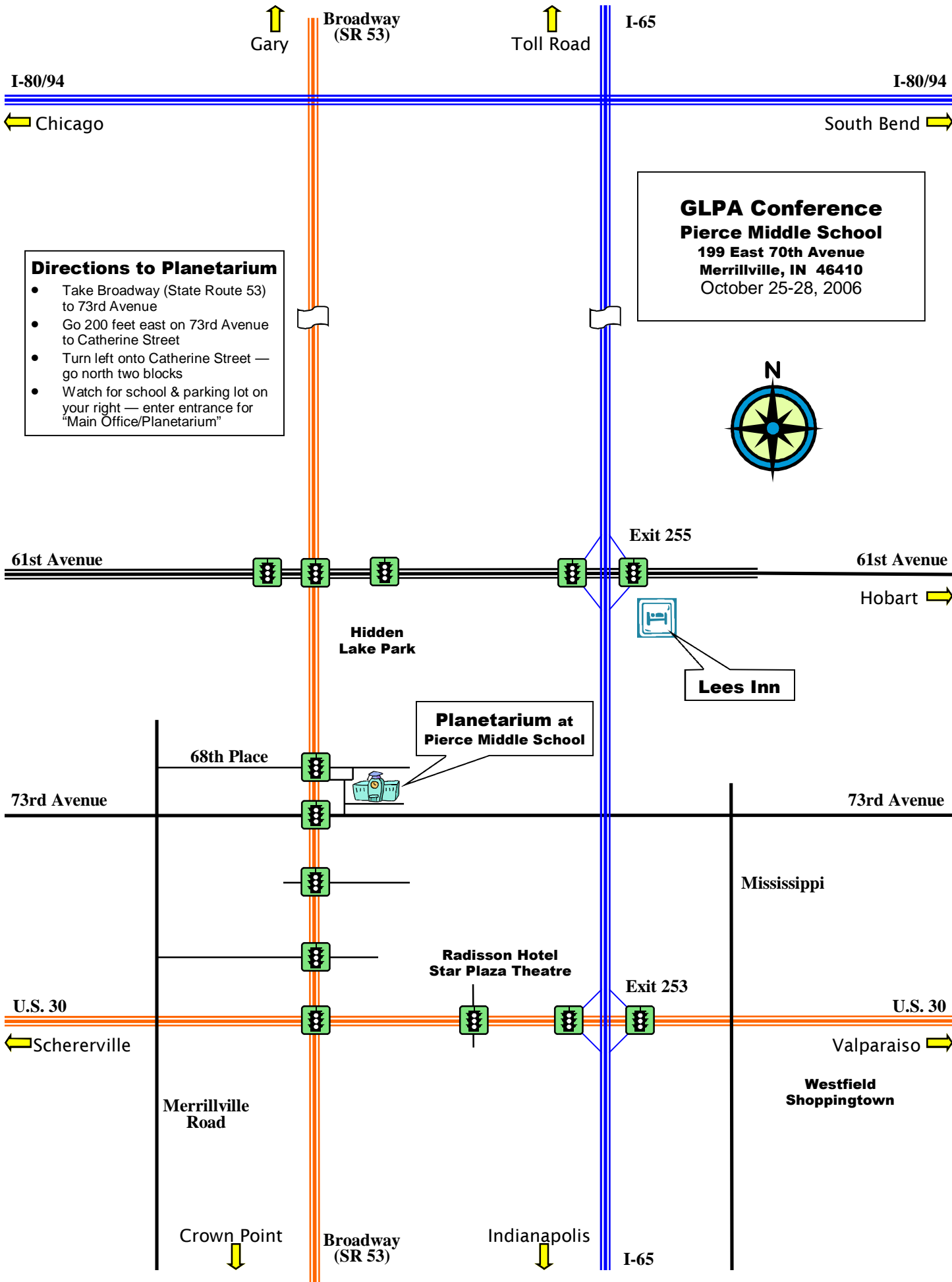
7:40 a buses leave for Pierce
 8:00 to 8:15 a Conference Welcome
 8:15 to 10:00 a Paper Session #1
 10:00 to 10:20 a break – refreshments with vendors
 10:30 to 12:00 p | Full Dome Visualizations of Current Astrophysical Data
 Vendor Presentations
 12:00 to 1:00 p lunch
 1:00 to 3:00 p Paper Session #2
 3:00 to 3:20 p break – refreshments with vendors
 3:30 to 5:00 p workshops
 5:15 p buses return to hotel
 6:00 p buses leave for optional trips to Challenger Center and Valparaiso University
 10:00 p buses return to hotel from optional trips

Friday, October 27, 2006

7:40 a buses leave for Pierce
 8:00 a announcements
 8:10 to 10:00 a Paper Session #3
 10:00 to 10:20 a break – refreshments with vendors
 10:30 to 12:00 p Vendor Presentations
 12:00 to 1:00 p lunch
 1:00 to 3:00 p Paper Session #4
 3:00 to 3:20 p break – refreshments with vendors
 3:30 to 5:00 p Astronomy Update with Dr. James Kaler
 5:15 p buses return to hotel
 6:15 p buses leave for Gamba Ristorante
 6:30 p cash bar, banquet, awards
 9:00 p Armand Spitz Lecture, Mr. Gene Zajac, "Making a Difference"
 10:00 p buses return to hotel

Saturday, October 28, 2006

8:00 to 9:00 a check out of hotel, drive to Pierce
 9:15 to 9:45 a State Caucuses
 10:00 to 11:30 a GLPA Business Meeting
 11:30 to 12:30 p lunch
 12:30 to 1:30 p "Roaming Mars, a Personal Perspective", Mr. Scott Lever, JPL
 1:45 to 3:00 p door prizes and conference closing



GLPA Conference
Pierce Middle School
 199 East 70th Avenue
 Merrillville, IN 46410
 October 25-28, 2006

Directions to Planetarium

- Take Broadway (State Route 53) to 73rd Avenue
- Go 200 feet east on 73rd Avenue to Catherine Street
- Turn left onto Catherine Street — go north two blocks
- Watch for school & parking lot on your right — enter entrance for “Main Office/Planetarium”

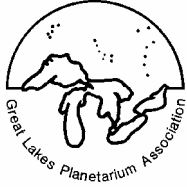


**Planetarium at
 Pierce Middle School**

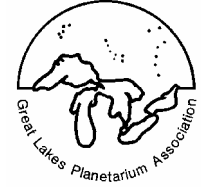
Lees Inn

**Radisson Hotel
 Star Plaza Theatre**

**Westfield
 Shoppingtown**



How to Register for a GLPA Conference



Here's some information you need to know before you fill out your conference registration form.

You must pay membership dues to attend the conference.

Question 1: Do I have to stay at the conference hotel?

Answer: No. You may stay anywhere you wish. Alternative choices are available from the Conference Host. See the answer to the question number three below.

Q2. What are the advantages of staying at the conference hotel?

A. Convenience. Almost everyone else will be there. When planning the conference, the Host may plan to utilize hotel services only available to those delegates staying at the conference hotel, e.g. continental breakfast. Delegates not staying at the conference hotel may need to make breakfast, transportation (bus or otherwise) or parking arrangements on their own. Also, scheduling will be done assuming people use the conference hotel.

Q3. What if I want a more luxurious or cheaper hotel?

A. Usually the deciding factor in choosing a conference hotel is the price and proximity to the host site. If you desire one with a pool or hot tub, you should book your own hotel. The Conference Host's primary goal in selecting a conference hotel is a place to sleep. Since most GLPA conferences keep the delegates quite busy with little time to spend in hotel rooms, having fancy rooms is not a high priority. It wouldn't be fair to the majority of the delegates. Most GLPA delegates are very cost conscious. Conversely, if you are on a very tight budget, choose a cheaper hotel. The Conference Host (glpa@mcpstars.org or phone 219-650-5486) will be happy to provide you the names of alternate hotels upon request (Just don't wait until the month before the conference to ask). Include a phone number where you can be reached with any lodging related requests.

Q4. What if I need transportation from the airport to the conference site?

A. Most GLPA delegates drive. It would be asking a lot for the Conference Host to make transportation arrangements for every possible combination of plane arrival from many different locations. However, the Conference Host would be happy to suggest who you could contact to make your own arrangements. If you are looking to share a limousine, taxi or bus, send your information to the GLPA list serve at glpa@ipds.org so others in the same situation may contact you directly.

Q5. I need a roommate for the conference. Can the Conference Host help me?

A. You can help yourself. Send a request to the GLPA list serve at glpa@ipsd.org that you are looking for a roommate. That way you don't have to bother the Conference Host.

Q6. What if I don't want to take the meal package? Maybe I want to eat at McDonalds or I won't be there for the whole conference.

A. We tell the Conference Hosts that they do not have to provide individual meals (other than the GLPA Banquet) as it is a big hassle, but some choose to do so upon request. So ask, but understand that the answer may be "no". We do, however, require those planning a conference to offer registration and meal package separately as an option. Most people take the meal package for convenience, but you do have the option of just the banquet or no meals at all.

Q7. I'm not planning to stay for the whole conference. Can my conference fees be pro-rated?

A. Many of the expenses related to hosting a conference don't depend on whether a delegate stays for the entire event. For example, the cost of mailing the registration materials or the cost of a guest speaker is the same regardless of whether you stay for two or four days. In addition, if the Conference Host begins to pro-rate expenses for delegates who arrive late or leave early, it quickly becomes an administrative headache.

Q8. I need to know the exact conference schedule. I may not be able to stay for the whole conference and I need to know how to plan.

A. Check the GLPA web site (www.glpaweb.org) for the latest conference schedule. One of the things the Conference Host does in the last few weeks before the conference is put together the final schedule. Check the web site for the most current schedule.

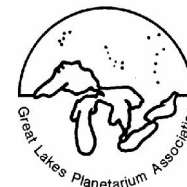
Q9. If I send in my registration forms, how will I know that they have been received by the Host Site?

A. You will receive a confirmation (either by U.S. mail or e-mail) if you mailed them by the early registration deadline. If you wait until the late registration deadline, the Conference Host will try (but no promises) to get you a confirmation.

Any questions or concerns involving
registration or lodging should be directed to:
Gregg Williams, Merrillville Community Planetarium
(219) 650-5486 or e-mail at glpa@mcpstars.org.



**42nd Annual Conference of the
Great Lakes Planetarium Association
October 25-28, 2006
Merrillville, Indiana**



GLPA Membership and Conference Registration Form

General Information

- We hope to offer on-line registration for the conference on or about June 1. Visit the conference website listed in the contact information below for further information.
- If there is a label attached at the bottom of this page, then you don't need to complete Section A on page 2 unless information is missing or needs to be corrected.
- This registration form is for use by individual members. Vendors should contact the GLPA Development Chair, Elisabeth Daly, at edaly@sjschools.org.
- The deadline for regular registration and paper and poster proposals is September 26. The last date for refunds is October 10.
- If you are presenting a paper or poster, you may deduct \$10 from your registration fees. However, if your text is not electronically submitted to the Proceedings Editor by October 20, your presentation will be cancelled and your credit will be voided. Only one \$10 credit per delegate.
- You must be present at the close of the conference to be eligible for door prizes.

Instructions

- If you are not attending the conference, complete Section A, enclose a check payable to GLPA, and mail to the Membership Chair at the address listed on page 2 by November 1.
- If you are attending the conference, complete all sections of this registration form, enclose a check payable to Pierce Middle School, and mail to the Conference Host at the address listed on page 4. If you intend to present a paper or poster, include the appropriate proposal form, too.
- Workshops and optional trips have limited capacity and will be filled in order of receipt of registration materials. Delegates will be able to attend one 90 minute workshop or two 45 minute workshops. Rank up to three workshop choices without regard to scheduling. Include a workshop fee only if your first choice has a fee.

Contact Information for Conference Host

email: glpa@mcpstars.org
phone: (219) 650-5486
website: www.mcpstars.org/glpa

If the information on the label is missing or incorrect, please write the correct information on the label or in Section A on the next page.

If the information on the label is correct, you don't have to rewrite it in Section A.

Pre-Printed GLPA Label

Section A – Individual GLPA Membership

Instructions: Section A of this form is for individual GLPA membership. GLPA membership is required to attend the conference. Please use one form per person.

Name: _____	Work Phone: () _____
Title: _____	Home () _____
Organization _____	Fax: () _____
Address: _____	Email: _____
Address: _____	
City: _____ State _____	Zip Code: _____

- check all that apply:
- I am attending my first GLPA conference
 - I am a member of the International Planetarium Society (IPS)
 - I am a new GLPA member
 - I have been a GLPA member for 20 years or more
 - I am a Fellow of GLPA
 - I am a GLPA Senior member (retired)

planetarium information:	permanent	portable	both	none
<i>(circle one in each row)</i>	museum	college	K-12	other: _____

If you prefer to have your GLPA membership and conference registration materials mailed to another address, please complete the following:

Address: _____

City: _____ State _____ Zip Code: _____

GLPA Dues for 2007 (October 1, 2006 through September 30, 2007)

membership type <i>(circle)</i> :	Regular (\$20)	Student (\$10)	Senior (\$10)	Honorary (\$0)
GLPA Newsletter delivery <i>(circle)</i> :	printed & mailed	electronic (PDF)	both	

If you are attending the conference, please proceed to Section B. If you are not attending the conference, enclose a check to GLPA for the amount of your membership dues and mail to the Membership Chair at the address below. If we receive your dues by November 1, 2006, you will receive a free copy of the 2006 Conference Proceedings.

Chris Janssen, Membership Chair
 Wausau School District Planetarium
 1200 West Wausau Avenue
 Wausau, WI 54401

Section B – Individual Conference Registration

Conference Registration (includes lunch on Thursday, Friday, & Saturday; banquet on Friday)

<input type="checkbox"/>	Regular member	\$200.00
<input type="checkbox"/>	Student, Senior, or Honorary member	\$150.00
	Late Registration (September 27 to October 10)	\$25.00
	Late Late Registration (October 11 to 25) <i>Meal package not available after October 10</i>	\$50.00

special dietary requests: _____

banquet entrée choice (*circle one*): braised lamb shank boneless chicken breast

Banquet for Spouse/Guest

	banquet entrée choice (<i>circle one</i>): braised lamb shank boneless chicken breast	\$30.00
--	---	---------

	Group Photograph (optional – mailed after conference)	\$12.00
--	---	---------

Workshop Choices – Please rank up to three workshop choices by writing 1, 2, 3 in blanks below.

<input type="checkbox"/>	Cosmic Analogies: The Good, the Bad, & the Ugly 90 minutes – limit 30	free
<input type="checkbox"/>	Star Light, Star Bright 90 minutes – limit 20	free
<input type="checkbox"/>	Using Tactile Planisphere in the Planetarium 90 minutes – limit 20 – free for the first 12 to sign-up	\$60.00
<input type="checkbox"/>	Digital Video Technologies 1 - Introduction 45 minutes – limit 30	free
<input type="checkbox"/>	Digital Video Technologies 2 - Production Techniques 45 minutes – limit 30	free
<input type="checkbox"/>	DigitalSky 2 Software Training 45 minutes – limit 12	free
<input type="checkbox"/>	Roaming the Universe in 3D 45 minutes – limit 50	free
<input type="checkbox"/>	A Simple and Programmable Lens Shutter for Your LCD Projector 45 minutes – limit 10	\$20.00

Optional Trips and Activities on the evening of Thursday, October 26 – *choose one*

<input type="checkbox"/>	Challenger Learning Center in Hammond buffet dinner courtesy of Konica Minolta – limit 40	\$5.00
<input type="checkbox"/>	Observatory & Planetarium at Valparaiso University boxed meal on bus to Valparaiso – limit 40	\$15.00
<input type="checkbox"/>	Northwest Indiana Symphony Orchestra’s pop concert “Cosmic Escape” * tickets are \$25-\$60 – about a 5 minute drive from the Lees Inn	*

Section C – Fee Summary

Section A

GLPA Membership Dues + _____

Section B

Conference Registration + _____

Late Registration + _____

Banquet for spouse or guest (\$30.00) + _____

Group Photograph (\$12.00) + _____

Workshop (pay only for your first choice) + _____

Optional Trip on Thursday evening (*but not concert*) + _____

credit for submitting text of your paper or poster - \$ _____

Total \$ _____

Please make your check payable to "Pierce Middle School"

Section D – Liability Release

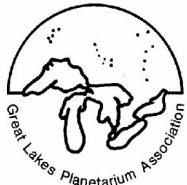
Signature Required to Attend Conference

I hereby release GLPA, its Officers, the Conference Host, the Host's institution and all members from liability while traveling to, while at, and returning from the conference.

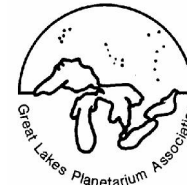
Signed: _____ Date: _____

Please mail this registration form, your check, and any additional forms by September 26 to:

GLPA Conference
Pierce Middle School
199 East 70th Avenue
Merrillville, IN 46410



42nd Annual GLPA Conference October 25-28, 2006 Merrillville, Indiana



Paper Proposal Form

Instructions: If you would like to present a paper, please complete and return this form with your conference registration. The deadline for submission of paper proposals is September 26, 2006.

Name: _____ Work Phone: () _____
 Title: _____ Home () _____
 Organization _____ Fax: () _____
 Address: _____ Email: _____
 Address: _____
 City: _____ State _____ Zip Code: _____

Paper Title: _____

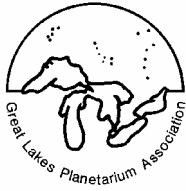
Abstract: _____

Location: <i>circle one</i>	lecture hall	planetarium	
Equipment: <i>circle all that apply</i>	data projector (PowerPoint)	slide projector	overhead
	DVD player	VHS player	other: _____

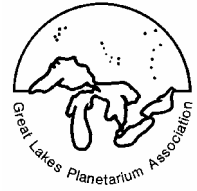
Scheduling request: If you are arriving late or leaving early from the conference or if you want your paper presentation scheduled before or after another paper, please state your scheduling request here:

Paper Presentation Guidelines

- Paper presentations are limited to 10 minutes with 2 additional minutes for questions. If your presentation is longer or considerably shorter, consider a poster presentation instead.
- Some papers may not be accepted for presentation. Some papers may be presented concurrently depending on the number of proposals received. You will be notified by October 11 whether your proposal has been accepted and when your presentation is scheduled.
- You must submit the text of your paper in electronic form to the Proceedings Editor by October 20. Failure to submit the text will cancel your presentation and void your \$10 credit. Only one credit per delegate.
- Paper presentations may not be used as commercial sales presentations. Vendors who wish to make a sales presentation should contact the GLPA Development Chair, Elisabeth Daly, at edaly@sjschools.org.



How to Present a Poster



What Is a Poster?

A poster is an alternative to giving an oral paper. Do you have something that would take longer than 10 minutes to explain or something that can be explained in only 2 minutes? Do you want to emphasize a part of your oral presentation? Are you looking for ideas or resources about a particular topic? If any of the above answers are “yes”, then a poster may be the way to go.

Here Is All You Have to Do...

Create a visual display that will fit on 4 feet of table space (or floor space) and set it up in your assigned spot on the first day of the conference. Then, be at your poster during the assigned poster viewing time (approximately 30 minutes) later in the conference to greet delegates and answer questions. Having a stack of handouts (~150) at your poster for delegates to take describing your poster would also be helpful (don't forget to submit this write up to the GLPA Proceedings Editor for publication if you want your \$10 credit).

That's all there is to it — except for one very important thing — you **MUST** fill out the poster proposal form and send it in by the designated date.

Constructing Your Poster on Site

If you are concerned about transporting a 4 by 3 foot piece of cardboard (you know, the science fair type of display boards), then have we got a deal for you! Bring all your information with you to the conference. We will have a limited number of poster boards for you to use (be sure to check this option on the poster proposal form). We'll even furnish the pushpins to mount your information on the board. You just construct your poster on the spot the first day of the conference (of course, you will need to remove your information on the last day of the conference). If you don't want push pin holes in your photos, mount your photos on larger paper (using corner tabs, removable mounting squares, etc.) then use push pins to attach the larger paper. We keep the display boards for the next conference. That's all there is to it. Give it a try!

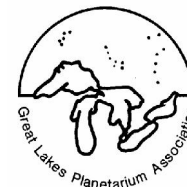
GLPA poster boards are sized as shown below:

1 foot	2 feet	1 foot
3 feet tall		

Poster presenters are not required to submit a write up for the Proceedings but are strongly encouraged to do so.



**42nd Annual GLPA Conference
October 25-28, 2006
Merrillville, Indiana**



Poster Proposal Form

Instructions: If you would like to present a poster, please complete and return this form with your conference registration. The deadline for submission of poster proposals is September 26, 2006.

Name:	_____	Work Phone:	()
Title:	_____	Home	()
Organization	_____	Fax:	()
Address:	_____	email:	[]
Address:	_____		
City:	_____	State	_____
	_____	Zip Code:	_____

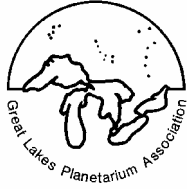
Poster Title: _____

Abstract: _____

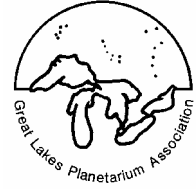
I will bring my own poster board I will need a poster board provided at the conference

Poster Presentation Guidelines

- Posters are limited to 4 feet of table (or floor) space and should have a cardboard backing similar to those used at science fairs. You may bring your poster already assembled or bring your materials to place on a board provided to you at the conference.
- Please include a photograph of yourself and your name and address on the poster so that delegates can recognize you during the conference. Also, bring sufficient copies (about 150) of any handouts to go with your poster.
- The conference agenda will include at least 30 minutes for presenters to be available at their poster to answer questions from delegates. Please plan on being next to your poster at the designated time.
- Some posters may not be accepted for presentation. You will be notified by October 11 whether your proposal has been accepted.
- You must submit the text of your poster in electronic form to the Proceedings Editor by October 20 in order to receive your \$10 credit. Only one credit per delegate.
- Poster presentations may not be used as commercial sales exhibits. Vendors who wish to reserve exhibit space should contact the GLPA Development Chair, Elisabeth Daly, at edaly@sjschools.org.



Instructions to Authors for Submitting Texts for the 2006 Conference Proceedings



Thank you for giving a paper at this year's GLPA conference.

The Conference Proceedings will contain texts of all invited and contributed papers and most workshops. The texts for poster papers may be briefer than those for oral papers.

You are required to submit a text of your oral or poster paper for the Proceedings.

If you are presenting a workshop, you are encouraged to submit a text but are not required to do so. In recent years, nearly all workshop presenters have submitted texts.

Please Read and Follow These Directions Carefully

Electronic Copy

You must submit your text to the Proceedings Editor in electronic form prior to the conference.

Preferred method —as a Word file attached to an email

Alternate method —as a Word file on a CD-ROM by mail

File format — If you use any file type other than Word, I may not be able to open it. Please submit your text in additional forms as described in the Hard Copy instructions.

Figures — If your paper includes figures, see the separate instructions below for submitting them.

If you absolutely cannot submit your text electronically, contact the Proceedings Editor for further instructions.

Deadline for Receipt of Electronic Copy is Friday, October 20

Header Information

The text must be preceded by the following information in this order:

- title of paper
- your name
- institutional affiliation and mailing address
- email address
- abstract of the paper, clearly marked as such

Hard Copy

If your text is not in Word format, I may not be able to open it. If you use any other file format, please submit the following additional forms:

- text of your paper copied directly into the body of an email message
- a paper copy sent by mail (not fax) to preserve text formatting and special characters

PowerPoint Presentations

If you are giving a PowerPoint presentation, you must submit a *narrative text* for the Proceedings, *not* your PowerPoint frames.

Figures

Send figures in jpeg or gif format. If you use any other type of file format, send a camera-ready hard copy in case I cannot open the electronic copy of the figure.

Send figures as separate files from your text. If you must include figures in the your text file, then also send second copies of the figures as figure-only files in separate email messages from the one containing your text.

We can also accept hard copies of figures if you absolutely cannot submit them electronically.

Large Files

If any of your file sizes exceed 5 megabytes, do *not* send them as email attachments. Name the files so that we can figure out what they are and send them on a CD-ROM.

Proceedings Editor

Dr. Dale W. Smith
Dept. of Physics and Astronomy
Bowling Green State University
Bowling Green, Ohio 43403

phone +1 419 372 8666
fax +1 419 372 9938
email dsmith@newton.bgsu.edu