

Triple Conjunction Conference Workshops

Instructions for Workshop Sign-up:

Several workshop sessions will take place during the Triple Conjunction Conference. These workshops are listed along with the presenter(s), contact information and a brief abstract. **If you are interested in signing up for one of these workshops, please directly contact the person listed as “contact” by clicking on their email address.** Do not contact the conference host to sign up for a workshop. Please contact the presenter prior to **September 30** so that they can have an idea of how many handouts, materials, etc. to prepare for.

#1: Garnering Science and Technology Activities from NASA Mission EPO Resources

Contact: lruberg@cet.edu

Laurie Ruberg and Don Watson, Center for Educational Technologies

Abstract: This workshop will provide hands-on experience with several DAWN mission EPO activities that have been highly rated by science teachers. Participants will: (1) view video podcasts of the DAWN mission launch, flight path, and science activities; (2) try out the Ion Propulsion simulator that demonstrates how the DAWN spacecraft will propel itself through the solar system; and (3) review presentations by DAWN mission scientists that describe what they hope to learn about Ceres and Vesta. 45 minutes. Limit 30 persons. No fee.

#2: The “MoonStick” and Rectified Earth Models

Contact: starmandave@cox.net

Dave Godman, Science Museum of Western Virginia

Abstract: Participants will learn how to fashion yardstick, earth globe and hula hoop into simple, yet dynamic models for accurately depicting the Earth’s daily and seasonal motions. Also, lunar eclipses and planet positions will be discussed. 45 minutes. Limit 40 persons. No fee.

#3: Integrating Solar Experiences into the Classroom & Planetarium

Contact: tmoody@raritanval.edu

Amie Gallagher & Theresa Moody, New Jersey Astronomy Center

Abstract: The New Jersey Astronomy Center has integrated a new planetarium show featuring “Our Very Own Star” as developed by the Lawrence Hall of Science into a solar curriculum. This middle and high school curriculum, titled “Our Solar Connection” was developed with funding from NASA. Participants will engage in activities from this curriculum interspersed with video fragments from the planetarium show. 90 minutes. Limit 24 persons. No fee.

#4: Lunar Rock Certification, *Pet Rock* and *Is Ice a Mineral?* Problem Based Learning Activities

Contact: jneuen@cet.edu

Jane Neuenschwander, Center for Educational Technologies

Abstract: Participants attending this workshop can obtain Lunar Rock Certification, participate in a rock and mineral problem based learning (PBL) exercise, and learn how to integrate kinesthetic activities into science teaching with the IPY ice activity. 45 minutes. Limit 30 persons. No fee.

Portable Dome Workshop Sessions

Workshop Sign-up Instructions:

Susan Button is coordinating all of the workshops for the Portable Dome Workshop Session. We have arranged for six (6) portable domes to be set up in two adjoining rooms, so all of the workshops will be in the same area. The Portable Dome Workshop Sessions will be held on Wednesday afternoon from 3:45 to 5:30pm. (This may change slightly as the schedule firms up). The following are the 8 workshops scheduled for the Portable Dome Workshop Session. **To sign up for one of these workshops, please directly contact the person listed as “contact” by clicking on their email address. Do not contact the conference host to sign up for a workshop.** Please contact the presenter prior to **September 30** so that they can have an idea of how many handouts, materials, etc. to prepare for.

Experience a “Down Under” View of the Sky!

Contact: sbuttonq2c@twcnny.rr.com

Jeanne Bishop, Westlake Schools
Dayle Brown, Pegasus Productions
Susan Button, Quarks to Clusters

Abstract: During this session you will get a fresh perspective as we examine the apparent motion of the sun, moon and stars as seen from the Southern Hemisphere. Your brain may get a bit confused but we will assist you in finding your way by identification of prominent asterisms and constellations. Then you will be treated to some fascinating stories and interpretations of the sky from ancient Southern Hemisphere cultures. No fee

Putting Pixels in Your Portable!

Using Digital Images, Animation, and Sound in Your Traveling Planetarium Programs

Contact: mobiledome1993@earthlink.net

Paul J. Krupinski, Mobile Dome Planetarium

Abstract: During this workshop, Owner/Director Paul J. Krupinski (“Mr. K.”) of the Mobile Dome Planetarium, Buffalo, New York, will demonstrate part of an actual day-night program called Sky Wonder, a lesson for Grades 1 & 2. Using a low-tech planetarium doesn’t mean you cannot use some high-tech techniques in your science lessons. See how a laptop computer and LCD projector can enhance your students’ planetarium experience with images, animation, and sound under YOUR dome. No fee.

The Reason for the Seasons

Contact: zajac_g@shaker.org

Gene Zajac, Shaker Heights City School District

Abstract: This is a lesson I do in the planetarium and one I do at schools without the planetarium. When in the planetarium, I do the first part outside of the dome. My main audience is second grade but I have used it with fourth and my high school class. Adults like it as well. No fee.

Two Lessons for a portable: The Moon & Bird Migration

Contact: jtmeader@verizon.net

John Meader, Northern Stars Planetarium

Abstract: In the past three years I've developed two new projection cylinders and the accompanying curriculum materials for STARLAB Planetariums. Learn how these two diverse topics can be effectively explored in a portable planetarium and how they both relate to a basic starfield. No fee.

Story Telling

Contact: jtmeader@verizon.net

John Meader, Northern Stars Planetarium

Abstract: Sharing a bit of star-lore in the form of a good story can bring the same old constellations alive for audiences from ages 5 to 75. After presenting a couple of stories, we will discuss techniques to make traditional myths and legends fun and dynamic within the dome. We will discuss both story telling techniques, as well as the use of simple peripherals such as music and low-tech special effects to emphasize the tale. No fee.

Are You Ready for Halloween?

Contact: karrie@digitaliseducation.com

Karrie Berglund, Digitalis Education Solutions, Inc.

Abstract: Using the Digitalium Alpha Z digital planetarium system, we will investigate the astronomical basis behind this holiday. No fee.

Year(s) of Dark Skies

Contact: bueter@rad-inc.com

Chuck Bueter, nightwise.org

Abstract: Celebrate the 2009 International Year of Astronomy with planetarium modules, demos, resources, activities, and ideas that advocate the "Dark Skies" theme. See www.nightwise.org/wheeling.htm for details. Fee \$10.00.

Capture Attention – Teach Content

Contact: rvarian@starlab.com

Reed Varian, Learning Technologies, Inc.

Abstract: Digital projection technology brings the curriculum content to the students in a new way. We will cover concepts taught in the earth and space sciences using the imagery of the digital projector. No fee.