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Forward Look**INCOSE International Workshop**

January 30 – February 1
Tampa Airport Marriott

Event Details

www.incose.org/iw2005

**INCOSE Engineer Week
"Zoom Zone" Glow-in-the-Dark Solar System
February 19**

Iowa Children's Museum
in Iowa City, IA

February 26

Science Station in Cedar
Rapids . IA

**INCOSE Workshop
Report Out by
John Povacz**

March 17

Kirkwood Training and
Outreach Services Center
in Cedar Rapids, IA

Event Details

www.incose.org/heartld

**INCOSE 2005, the 15th
International Symposium
July 10 - 15, 2005**

Rochester Riverside
Convention Center,
Rochester, New York,
USA

The topic of the
symposium is "Bridging
Industry, Government &
Academia".

A paper submission on
"Model-based
Requirements
Management" by
Heartland INCOSE
member Jorge Buenfil was
approved for presentation
at the Symposium.

Event Details

www.incose.org/symp2005

SYSTEMICO



**President's Message – EWeek
February 20 - 26, 2005**



The 2005 poster art
is an original painting
by Theo Rudnak.

The image highlights
sustainability and the
positive contributions
of engineers.

Founded in 1951 by the National Society of Professional Engineers, Engineers Week (www.eweek.org) is celebrated annually by thousands of engineers, engineering students, teachers, and leaders in government and business.

EWeek is dedicated to enhancing the public understanding of the engineering profession and to promoting pre-college interest in math, science, and engineering as a career option.

During this event you will have the opportunity to increase public awareness of the positive contributions engineers make to our communities, this nation and to the world. As such, during EWeek it is important to remember that the public is interested in engineering not so much as a profession, but in how the profession affects their lives.

Volunteering and participating in these and other events generate tremendous goodwill for our profession and organization.

**Here are some ways you can
participate in EWeek 2005**

Free Days at two science learning centers in the corridor:

- **Saturday, February 19** at the Iowa Children's Museum in Iowa City
- **Saturday, February 26** at the Science Station in Cedar Rapids

From 10:00am to 2:00pm each day, we will sponsor INCOSE EWeek "Zoom Zone" Glow-in-the-Dark Solar System (see page 2). Please contact Jorge Buenfil, (319) 295-9326, or John Povacz, (319) 295-3504 if you can volunteer for either of these days.

There are other tables for children to build gumdrop domes, float paper boats in water, build newspaper towers, and do other simple hands-on activities. Please contact Jenny Becker, K-12 Coordinator, Rockwell Collins, (319) 295-8122 if you can volunteer for either of these days.

Introduce a Girl to Engineering:

Host a group of 8th grade girls at your business for a four-hour job shadow. During the past two years, Rockwell Collins has hosted more than 50 girls over two days. Typically, students go on a short tour, with a female engineering mentor, have lunch and hear about career opportunities in engineering.

If you would like to send a representative from your business to observe Rockwell Collins tours, please contact Jenny Becker, K-12 Coordinator, Rockwell Collins, (319) 295-8122. Tours are scheduled for February 22 and 24.

The cost to you is relatively small. However the payoff is greater awareness of your company and potential career opportunities.

Mailing Address

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On the Web!

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*SYSTEMICO is published quarterly.
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**INCOSE International Workshop 2005 (01/30/05)
Tampa Airport Marriott in Tampa, Florida, USA**

The annual INCOSE International Workshop is the “annual business meeting” of our organization. It’s an opportunity for active members of INCOSE’s Working Groups as well as its Committees and Boards to meet in intensive working sessions. Please note that there are no paper or panel presentations as in the Annual International INCOSE Symposium. All INCOSE leaders and members of Working Groups are encouraged to participate. For more details see www.incose.org/iw2005.

Nominations for Officers and Directors are coming in October.

For more information about BOARD OF DIRECTORS and OFFICERS see Heartland By Laws http://www.incose.org/heartld/c_bylaws.htm or contact Tony Thompson (319) 295-9504.

INCOSE EWeek “Zoom Zone” Glow-in-the-Dark Solar System



Figure 1, *Glow-in-the-Dark Solar System*

Description: This is a hands on craft project, with pictures and associated information on our Solar System. It covers the Sun, Mercury, Venus, Earth, Mars, Asteroids, Jupiter, Saturn, Uranus, Neptune, Pluto and Comets.

Purpose: To learn about our Solar System and color its planets at the same time.

Age Groups: Age 4 to 8, Age 8 and Up

Type: Science

Materials Needed:

- Black Construction Paper (size 11x17)
- 13 Sheets White Paper (size 8x11)
- 3 Paint Brushes (1/2" wide)
- Glue Stick
- Glowing Paper Paints (multiple colors – yellow, blue, green)
- Color Markers (multiple colors)
- Scissors

Solar System Information:

1. Print Coloring Book.
2. Each planet is listed in order from the sun, with size and color information to help in picking out marker and paint colors.
3. Take single sheet of black construction paper, lay it flat.
4. Cut out the sun and paste it in the corner of black construction paper, as your starting point.
5. Cut out remaining planets.
6. Planets are listed above in their correct order. Glue in placement order from the sun.
7. Paint each of the planets with glowing paper paint.
8. Add stars, comets, space ships etc.
9. Let dry for about 24 hours.