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February 2-4, 2012

18th Annual **Space Exploration Educators Conference**

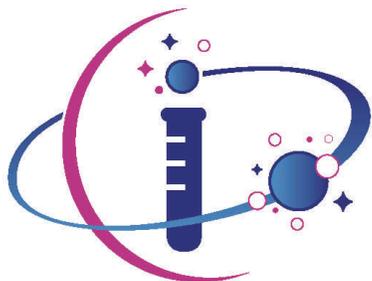
**SPACE  
CENTER**  
**HOUSTON**

## EXPLORING NEW HORIZONS

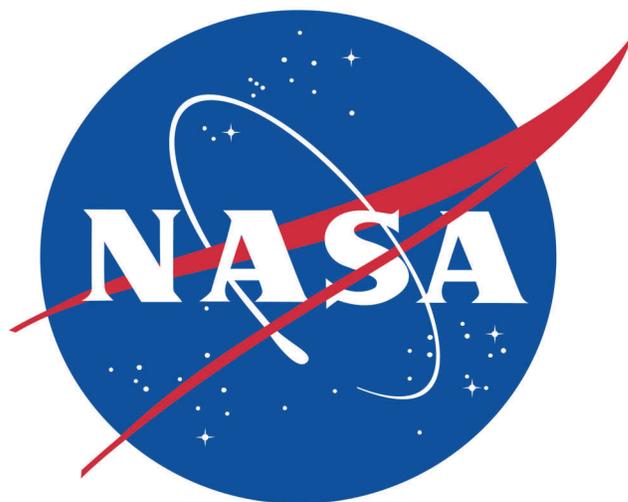


# General Information

# Special Thanks



Sally Ride  
Science



Citizens Serving Communities

*Above and Beyond*

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# Keynote Speakers

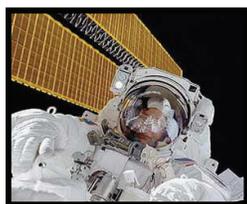


**Thursday February 2, 2012**

*Dr. Sally Ride, Sally Ride Science*  
*Dr. Maria Zuber, Massachusetts Institute of Tech*



Since before the emergence of the first single-celled organisms in primordial seas, the Moon has illuminated the night sky. The Moon holds a strong cultural connection to all of us, at once our nearest neighbor and far enough away so that landing on its surface represented the pinnacle of human technical achievement. Study of the Moon informs our understanding of how the rocky planets, including Earth, formed and evolved. In addition, study of the Moon represents a remarkable opportunity in STEM education. NASA's Gravity Recovery and Interior Laboratory (GRAIL) mission has these dual aims. This presentation will discuss the basics of lunar science in the context of GRAIL, a dual-spacecraft mission that will probe the lunar interior from crust to core. Highlighted will be GRAIL's MoonKAM, developed by Sally Ride Science, the first camera experiment on a planetary mission devoted solely to education and outreach.



**Friday February 3, 2012**

*NASA Astronaut-TBA*



**Friday February 3, 2012**

**Gene Kranz**

Motivational speaker Gene Kranz was the leader of the "Tiger Team" of NASA flight directors who guided the crippled *Apollo 13* spacecraft safely back to Earth. His role in the crisis now legendary, Kranz was made famous by his oft-quoted phrase, "Failure is not an option." Following the inspiring success of the *Apollo 13* mission, Gene Kranz was awarded the Presidential Medal of Freedom for his leadership, heroism, and steely resolve. In Ron Howard's epic film, *Apollo 13*, he was portrayed by actor Ed Harris.

"Failure is not an option," the motto that carried him through the *Apollo 13* crisis, is a major theme of Gene Kranz's presentation. An inspiring business speaker, Kranz speaks with passion and pride when sharing stories of his NASA mission teams. He explains that his flight directors were young engineers and scientists, most of them in their 20s, having come to NASA fresh out of school with little work experience, but with abundant energy. He describes their will to succeed especially during that fateful mission. These teams worked hard, says Kranz, and made history in

# Schedule Of Events

## Wednesday, February 1, 2012

3:00pm-6:00pm Early Bird Check-in

## Thursday, February 2, 2012

7:15am Check-in Begins  
7:30am SEEC 101 (recommended for all new attendees to SEEC)  
8:00 am Welcome Address and Key Note Dr. Sally Ride and Dr. Maria Zuber  
10:00am-11:30am First Session  
11:30am-12:30pm Lunch  
12:45pm-2:15pm Second Session  
2:45pm-4:15pm Third Session  
4:45 pm Dismiss (Bus Run Begins)  
5:30 pm Those staying for Epicurean will watch a film In Northrop Grumman Theater.  
6:30pm-9:30pm "A Taste of Space" Epicurean Event (Bus will run hotel loops)

Sessions will take place at Space Center Houston, JSC Gilruth and other JSC areas \*8 hours CEP Credit

## Friday, February 4, 2011

7:15am Check-in  
8:00am-9:15am Key Note -Astronaut , TBA  
10:00am-11:30am First Session  
11:30am-12:30pm Lunch  
Jeffery Bennett book Signing (Astronaut Gallery)  
12:45pm-2:15pm Second Session  
2:45pm-4:15pm Third Session  
4:45pm Dismiss (Bus Run Begins)  
7:15pm-11:45pm Banquet

Sessions will take place at Space Center Houston, JSC Gilruth and other JSC areas \*8 hours CEP Credit

## Saturday, February 5, 2011

7:15am Doors open  
8:00am-9:30am First Session  
10:00am-11:30am Second Session  
11:30am-12:30pm Lunch  
Jeffery Bennett book Signing (Astronaut Gallery)  
12:45pm-2:15pm Third Session  
2:30pm-3:30pm Key note - Gene Kranz  
3:30pm-3:45pm door prizes/ Farewell  
3:45 pm Dismiss/Certificates in O-G Dinner  
4:30pm Conference Help Desk Closes  
7:00pm Space Center Houston Closes

# Hotel Information

SEEC buses will provide transportation to and from the hotels listed below. Space Center Houston is not responsible for making attendees' hotel arrangements. Bus schedules will be posted online by January 2011 and in the hotel lobbies during conference.

## **Hampton Inn NASA**

3000 NASA Parkway Seabrook, Texas 77586  
281-532-9200  
\$89-\$99

## **Hilton NASA Clear Lake**

3000 NASA Parkway Houston, Texas 77058  
281-333-9300 or 1-800-hiltons  
\$109

## **Hilton Garden Inn NASA**

750 W. Texas Ave. Webster, Texas 77598  
281-332-7953  
\$99

## **Hampton Inn & Suites**

506 W. Bay Area Blvd. Webster, Texas 77598  
281-332-7952  
\$99-\$129

## **Staybridge Suites**

281-338-0900  
501 Texas Ave. Webster, Texas 77598  
\$109-\$119

## **HOTEL NOT ON BUS ROUTE.**

(They will transport to Space Center Houston and Hobby Airport)

## **Marriott Springhill Suites**

1101 Magnolia Avenue Houston, Texas 77598  
281-332-2999  
\$90

# Important Conference Points

Do you need some space? Come experience space at the 18th Annual Space Exploration Educators Conference. You will go home recharged and ready to ignite the minds of your students!

- ☆ Network with the top scientists, engineers and educators from the United States, Canada, Japan and the United Kingdom.
- ☆ Hear Keynotes by Dr. Sally Ride and Dr. Maria Zuber (Grail Moon Mission), NASA Astronaut (TBA), Gene Kranz (Historic NASA flight director)
- ☆ Collect exciting materials to inspire your students and enhance your classroom.
- ☆ Hear from astronauts and engineers currently working on space exploration.
- ☆ Earn up to 24 Professional Development hours.
- ☆ Lunch provided all three days.
- ☆ Attend the "Taste of Space" Epicurean Evening on Thursday night. (\$20 optional ticket)
- ☆ Enjoy the banquet on Friday night, where you will be served a delicious dinner and drinks. Then party the night away with MAX-Q all astronaut band. (Band subject to change based on Astronaut schedules)

## Cancellations

Due to the popularity of SEEC, cancellations and no-shows will be charged the full registration fee. No refunds will be granted. However, registration may be transferred to a colleague.

## Conference Products

The banquet is included for registered attendees, however, if you would like to bring a guest you will need to purchase an additional ticket. The tickets are available for \$40 for the banquet. These tickets are on sale via the internet, registration form, or during the conference. Tickets will not be sold during the events.

Space Center Houston will have conference apparel available during the conference. Order forms will be available on the website one month prior to the conference. Be sure to check back to order your shirt!

## Door Prizes & Certificates

### Door Prizes

Following the last session on Saturday, please proceed to the Northrop Grumman Theater for closing Keynote and door prizes! You must be present to win.

### Certificates

Professional Development certificates will be available immediately following the door prizes. However, we would like to hear from you first. Simply fill out the evaluation form found in your conference packet, then head to the Zero-G Diner to exchange the evaluation for your certificate. If you need to leave the conference early, please come to the Help Table to receive your certificate no later than 12:30. After 12:30 go to the certificate table in the Zero-G Diner.

## Travel Notes

Space Center Houston is located between downtown Houston and Galveston. Take I-45 and exit NASA Parkway. The center is approximately three miles east of I-45. If flying, try to use Hobby Airport. A listing of conference hotels is provided on page 5.

When making your reservation, mention that you are a participant of SEEC at Space Center Houston. Many hotels offer discounts. If you are in need of shuttle services from the airport, please make inquiries at your hotel.

Space Center Houston is usually cool, so bring a sweater. We also recommend comfortable attire because you will be actively participating in breakout sessions. ***Closed toed shoes are required on all tours.*** The reception, "A Taste of Space" is casual attire. The Friday night banquet attire is Business formal to semi-formal. However, if you feel like

## New to SEEC?

If this is your first SEEC conference, there is an introductory session just for you! Veteran SEEC attendees will go over everything you need to know about the session cards, locations, food, tours, etc. So arrive early on Thursday for a little SEEC 101!

**When:** Thursday, February 2nd , 7:30-8:00 AM

**Where:** Blast Off Theater

**Presented by:** Brian Ewenson and Brian Jackson

# Important Conference Points

## Exhibits

Friday February, 3rd from We will have a small exhibit area in Zero-g with representative from different areas of NASA. They will be there to share what is currently going on in the space program.

Exhibit Hours: 10:00AM– 3:00PM

## Selecting Your Sessions

Selecting your individual breakout sessions is easy! Just read through this conference booklet to see the selections for each time slot. Then, use the “Organize Your Sessions” form on the last pages to organize your sessions. Finally, go online and make your session selections at [www.spacecenter.org/TeachersSEEC.html](http://www.spacecenter.org/TeachersSEEC.html). Sessions that are full will not appear. It’s that easy! **Just be sure to move quickly as some sessions fill up fast.** Breakout sessions include NASA tours as well as the hands-on sessions. Tours fill up especially fast, so please plan accordingly. (*Closed toed shoes are required on all tours.*)

If a session is full, don’t worry. Check with the Conference Help Table when you arrive to see if there are openings or watch the “swap” board for the session ticket.

If you have any questions, please contact us at (281)283-2149 or by e-mail at [SEEC@spacecenter.org](mailto:SEEC@spacecenter.org).

## Conference Dining and Social Events

In order to accommodate the variety of dietary needs of our attendees for lunches during the conference all of the great food options in Space Center Houston’s Zero-G Diner will be available to you. Each attendee will receive a \$15 space meal card to be used at any of our food stations each day. Food options are:

- Blast-off Bistro- Soups, Salad, and Sandwiches
- Martian Border- Mexican Fare
- Moon Wok- Asian and Stir-Fry
- Launch Food- Traditional American
- Italian Bistro- Pizza and Pasta
- Starbucks- For the coffee lovers
- Space Port Snacks

Your card can be used at any one or more of these locations each day.

## Conference Dining and Social Events

*\*Additional Note\**

Since many of our conference hotels offer breakfast, Space Center Houston will not be serving breakfast any morning of the conference.

Starbucks will be open and space meal card can be used.

### *“Taste of Space” Epicurean Evening*

**Thursday, February 2, 2012**

**6:30pm-9:30pm at Space Center Houston**

“Taste of Space” Epicurean Evening! The event will take place at Space Center Houston from 6:30 to 9:30 p.m. A special meet and greet area will be reserved for SEEC attendees only. Attendance is optional with a \$20 fee.

This event is a cultural experience showcasing the Clear Lake Area’s finest restaurants, food and beverages. All of your food and alcoholic/nonalcoholic beverages are included in the fee.

The reception, “A Taste of Space” is a casual attire event. Bus transportation will be provided to and from conference hotels beginning at 6:30pm and ending at 9:30pm.

### *18th Annual SEEC Banquet*

**Friday, February 3, 2012 7:15pm-11:45pm  
at Space Center Houston**

The capstone for the conference is the infamous SEEC banquet, where teachers are treated to a fabulous meal prepared by our award winning in-house caterer and 2 drink tickets. (beer and wine only) All additional beer and wine will be \$5.00 each. The banquet attire is business attire to semi-formal. Join us this year as we celebrate old and new friends, a rich history of space exploration and your role in educating the space explorers of tomorrow.

There is no need to purchase a ticket for the event if you are registered as a conference presenter or attendee. If you would like to purchase an additional ticket for a guest, the cost is \$40. No children permitted at banquet.

## Educator Resource Center Materials

In order to receive materials from the Johnson Space Center Educator Resource Center (ERC), stop by the Educator Resource booth under the Shuttle.



# SEEC 2012 Registration Form

Express registration is available at  
<http://www.spacecenter.org/TeachersSEEC.html>  
 Or fill out the forms below and fax to **281-283-7724** or mail to:  
**Space Center Houston, Attn: SEEC, 1601 NASA Pkwy, Houston, TX 77058**

**One form per attendee please**

Please indicate your status:

- Not Currently Registered    
  Presenter    
  NASA (not attending sessions)

Name: \_\_\_\_\_

School: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Email: \_\_\_\_\_

If presenter please list session title: \_\_\_\_\_

What grade level (s) best describe your expertise? \_\_\_\_\_

**PLEASE FILL OUT THE PAYMENT INFORMATION BELOW .**

Please check the items you wish to purchase:

**Conference Registration**

- |  |       |  |        |
|--|-------|--|--------|
| <input type="checkbox"/> <i>Presenter</i>                      | \$100 | <input type="checkbox"/> One day conference attendance | \$110  |
| <input type="checkbox"/> <i>Early Bird—10/3-11/31</i>          | \$279 | <input type="checkbox"/> Two day conference attendance | \$220  |
| <input type="checkbox"/> <i>Regular Registration—12/1-1/13</i> | \$299 | <input type="checkbox"/> NASA Presenter                | Gratis |
| <input type="checkbox"/> <i>Late Registration—after 1/13</i>   | \$319 |  |        |
| <input type="checkbox"/> Epicurean Ticket (Thursday night)     | \$20  | Qty. _____   |        |
| <input type="checkbox"/> Banquet Ticket, (for guest only)      | \$40  | Qty. _____   |        |
- One Banquet ticket included in registration

Total: \_\_\_\_\_

Payment Method:  Check  Credit Card  PO

Please make checks payable to Space Center Houston. Check # \_\_\_\_\_

Visa     MasterCard     Discover     American Express

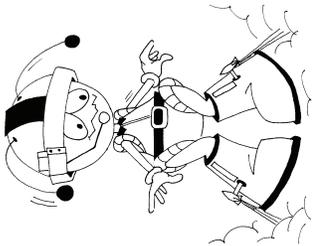
Card # \_\_\_\_\_ Exp. \_\_\_\_\_

Name on card: \_\_\_\_\_ CVV# \_\_\_\_\_

PO are accepted in some cases. Copy of PO must accompany registration.

PO# \_\_\_\_\_





# 18th Annual Space Exploration Educators Conference Commemorative Shirts

**Mailing Address:**  
Space Center Houston  
1601 NASA Parkway  
Houston, TX. 77058

**Fax form to:**  
(281) 283-7724

*These items will not be available in the Gift Shop and supplies are limited!*

Fill out this order form and return it (with payment) to Space Center Houston on or before February 1st, 2012 for pre-order. These orders will be available for pick up at check-in on February 2, 2012. Shirt size availability is first come first serve. Shirts will also be available for sale at the conference, at the Help Table. Space Center Houston accepts credit cards, money orders and cash as forms of payment. If you are charging the purchase to your credit card, please be sure to provide all the necessary information. It's that easy!

**SEEC T-Shirt**

Adult Sizes only: S \_\_\_ M \_\_\_ L \_\_\_ XL \_\_\_ XXL \_\_\_

SEEC Black Polo Shirt Style: Women's \_\_\_ or Men's \_\_\_

Adult Polo Sizes only: S \_\_\_ M \_\_\_ L \_\_\_ XL \_\_\_ XXL \_\_\_

Total # of T-shirts \_\_\_ X \$16 each \$18 for XXL (tax included) = \$ \_\_\_

Total # of Black Polo Shirts \_\_\_ X \$35 each/\$38 for XXL (tax included) = \$ \_\_\_

Order total \$ \_\_\_\_\_

**METHOD OF PAYMENT**

VISA  Mastercard  Discover  Diners Club  American Express

Card # \_\_\_\_\_

Expiration Date \_\_\_\_\_

Name as appears on card \_\_\_\_\_

Phone # \_\_\_\_\_

Signature \_\_\_\_\_

