



The 2012 Quadrennial Congress of Sigma Pi Sigma
November 8-11, 2012, Orlando FL & Kennedy Space Center

The following are the thoughts that still echo through the minds of the attendees of past Sigma Pi Sigma Congresses. Every four years, the physics honor society hosts a meeting where undergraduate members of the Society of Physics Students (SPS) meet and interact with established physi-

cists from all circles. It has grown to be the largest gathering of physics undergrads in the world! It is unique in bringing together the cutting edge of scientific research with reflection upon the human dimension of a career in physics. The Congress is an energetic gathering of cre-

ative minds dedicated to advancing knowledge in the service of humankind, together with alumni members of the honor society sharing their rich experiences. Make plans now to attend the 2012 Sigma Pi Sigma Congress!

The first images ever taken of the Titanic on the floor of the Atlantic.

How can I lead my chapter in exploring the ethical dimensions of physics?

Breakfast with a Nobel Laureate.

The shortest pulses of light ever generated.

How does tenure work, anyway?

How can jewelry express scientific ideas?

How do physicists fare in political office?

The discovery of pulsars.

How can physics reflect the diverse spectrum of human persons?

Impassioned discussion of what science should be taught in high schools.

Let me tell you about my REU project!

The original dynamo helmet.

Questioning a Presidential Science Advisor.

The cathedral-like vistas of Fermilab's Wilson Hall.

A detective story: Catching a scientific fraud.

The immensity of the CDF particle detector.

The silence of the hall as an eyewitness describes the Trinity test of the first nuclear bomb.

AT THE CONGRESS YOU CAN:

- ➔ Tour Kennedy Space Center
- ➔ Hear tales about space telescopes from "Hubble Repairman" John Grunsfeld
- ➔ Be inspired by Jocelyn Bell Burnell, discoverer of pulsars, as she addresses her second $\Sigma\Pi\Sigma$ Congress
- ➔ Share breakfast with Kennedy Space Center engineers and scientists
- ➔ Reflect with Nobel Laureate John Mather on the space probe that mapped the genesis of galaxies and another that is to come
- ➔ Celebrate the intersection of art and science through a show and competition
- ➔ Explore the wide world of tomography with Fulbright award winner Mercedes Richards
- ➔ Present a research or outreach poster
- ➔ Get the latest finding on exoplanets from astrophysicist John Johnson
- ➔ Discuss how science and service fits into your life and the life of your chapter
- ➔ Contemplate with Freeman Dyson how humankind has been *Disturbing the Universe*
- ➔ Meet your 800 newest friends in physics!

www.sigmapisigma.org/congress/2012/