

## FAST FACTS

### Space Community Gathers at NSS Annual Conference in "Rocket City" Huntsville, AL For 30<sup>th</sup> Annual International Space Development Conference

<p><b>Basic Info</b></p> <p><b>Conference Theme:</b> From the Ground Up</p> <p><b>When:</b> May 18-22, 2011</p> <p><b>Where:</b> Von Braun Center and Embassy Suites Hotel and Spa, Huntsville, Alabama</p> <p><b>What:</b> Annual gathering of space advocacy community from all over the USA and the world. Since its inception, ISDC has been the premier forum for dreamers and builders of the space industry to get together and work toward the common goal of developing a spacefaring civilization.</p> <p><b>Who:</b> Sponsored by the National Space Society (NSS) and Huntsville, Alabama L5 Society (HAL5). Attended by NASA officials, professionals in the aerospace and "NewSpace" industries, and interested citizens from the US and around the world.</p> <p><b>Conference Chairs:</b> Bart Leahy, VP of Huntsville, Alabama L5 Society (HAL5) and Yohon Lo, President, HAL5</p> <p><b>Featured Speakers:</b> Robert Bigelow, Bigelow Aerospace – Keynote Speaker, Governors Gala &amp; Dinner - Friday, May 20</p> <p>Jeff Greason, XCOR Aerospace –Awards Dinner - Saturday, May 21</p>	<p><b>Possible News Hooks</b></p> <ul style="list-style-type: none"> <li>All roads to space go through Huntsville! We have the experts here who are building our spacefaring civilization "from the ground up!" ISDC is the largest and best known gathering of the entire space community. The Conference covers everything from space propulsion, life support systems, defense, biotechnology, and education to space tourism. Anyone and everyone who is interested in and/or committed to developing space for the betterment of human civilization, is encouraged to attend.</li> <li>Space really is the "final frontier" and the expansion of space exploration, development, and even settlement provides potential solutions to many challenges we face on earth today, including unemployment, rapid depletion of non-renewable energy sources, and population growth, among others. Private companies are driving down the costs of access to space. And NASA is actively nurturing this new industry. The result? Space is about to go from a scientific curiosity to a new economic frontier. A new jobs frontier. The frontier of a next-generation American economy.</li> <li>At 10:43 am on December 8, 2010, the first shot of a revolution was fired. Like all revolutions, only a few heard the opening salvo. Why? Because this revolution is overhead. For the first time, a private company put into orbit a 9,260 pound, capsule designed to carry cargo and a crew of six into space. SpaceX, the company that launched this Dragon capsule on a Falcon 9 rocket it had developed from scratch, is just one of eight companies currently developing the technology that will give Americans cheap access to space. And SpaceX is receiving the NSS Space Pioneer Award for Business: Entrepreneur at the Conference.</li> <li>The U.S. and the world need to find new sources of clean energy. Space solar power gathers energy from sunlight in space and transmits wirelessly to Earth. Space solar power can solve our energy and greenhouse gas emissions problems. Not just help. Not just take a step in the right direction. It can SOLVE them. Space solar power can provide large quantities of energy to each and every person on Earth with very little environmental impact. And the people who are making it happen will be at ISDC for the Space Solar Power Symposium. Chaired by John Mankins of Artemis Innovation and featuring participation by some of the prominent space solar power researchers, the ISDC Space Solar Power Symposium promises to be a highlight of the conference.</li> </ul> <p><b>Program Highlights</b></p> <p><b>Space Investment Summit - The Next Wave of Entrepreneurs:</b> Space Investment Summit 9 (SIS-9) continues an established series of forums offering a full day of exclusive dialogue with prominent investment leaders and entrepreneurs discussing innovation in space-related commerce worldwide. SIS-9 is co-hosted by the Space Investment Summit Coalition and the National Space Society (NSS). The Coalition is an international group of companies, leading space industry associations, academic institutions and other space-related networking organizations. Wednesday, May 18, 8:30 am to 5:30 pm. Separate registration is required.</p> <p><b>International Space Solar Power (SSP) Symposium:</b> The solar energy available in space is literally billions of times greater than we use today. The lifetime of the sun is an estimated 4-5 billion years, making space solar power a truly long-term energy solution. As Earth receives only one part in 2.3 billion of the Sun's output, space solar power is by far the largest potential energy source available, dwarfing all others combined. Solar energy is routinely used on nearly all spacecraft today. This</p>
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Rick Tumlinson, Orbital Outfitters & Space Frontier Foundation – Dinner and Reception - Thursday, May 19

Adam Harris, Space Exploration Technologies (Space X) – Lunch - Saturday, May 21

Deborah Barnhart, U.S. Space & Rocket Center – Lunch – Sunday, May 22

**ISDC 2011 Logo:**

The logo represents the heritage and culture of Huntsville. The cotton boll represents Alabama’s agricultural heritage. Cotton grows “from the ground up” and Alabama is a leading cotton producer. The orange rocket and trailing smoke stream is a symbol of Huntsville’s space history. Huntsville is “Rocket City” because of the success of the Saturn V rocket and the space program. Of course, rockets fly “from the ground up.” The green ring containing the text is a symbol of Earth. The burnt orange color represents Alabama’s rust-colored clay dirt – the “ground” from which we go up.

**For More Information on ISDC:**

Please visit our web site [ISDC.nss.org/2011](http://ISDC.nss.org/2011)

**For More Information on NSS:**

Please visit our web site [www.nss.org](http://www.nss.org)

**For Media Information:**

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technology on a larger scale, combined with already demonstrated wireless power transmission, can supply nearly all the electrical needs of our planet. Thursday, May 19 through Saturday, May 21

**NASA Space Settlement Design Competition:** This annual contest co-sponsored by NASA Ames and NSS is for 6-12<sup>th</sup> graders from anywhere in the world. Students develop unique space settlement designs and related materials. This year we received 356 submissions from 1,079 students sponsored by 114 teachers. Entries came from 14 states and 14 other countries, including: Canada, China, India, Japan, Pakistan, Turkey, the Ukraine, and United Arab Emirates. The Grand Prize for the 2011 Space Settlement Contest went to a large team of 7 students from Punjab, India for creating the Hyperion Space Settlement. Their design will be placed on the NASA Ames web site. The winning team will also receive the Bruce M. Clark, Jr. Memorial Space Settlement Award from NSS at the Conference. Presentations will be made Friday, May 20 through Sunday, May 22.

**The Foundry 2011:** The Foundry is a project incubator that helps space entrepreneurs turn good ideas into doable projects. The workshops bring together these entrepreneurs with experts who can provide advice on all aspects of the space business, including the identification of potential funding sources. The leaders have experience in project fund raising, such as contributor programs and NASA grants for non-profit organizations, and venture capital along with NASA and commercial contracts for profit seeking space development ventures. The Foundry is open to any conference registrant who wants to participate. Thursday, May 19 through Friday, May 20.

**Google LunarXPRIZE Plenary Session:** *The Google LunarXPRIZE is igniting a new era of lunar exploration by offering the largest international incentive prize of all time. A total of \$30 million in prizes are available to the first privately funded teams to safely land a robot on the surface of the Moon and have that robot travel 500 meters over the lunar surface and send images and data back to the Earth. Teams must be at least 90% privately funded, though commercially reasonable sales to government customers are allowed without limit. – Google LunarXPrize.org* GXLP team representatives who have confirmed their attendance at the ISDC 2011 are: Rocket City Space Pioneers, Team FREDNET, Part Time Scientists, Team Phoenicia, Omega Envoy, WhiteLabel Space and Team Jurban. The plenary will be moderated by Mike Doornbos of [Evadot.com](http://Evadot.com). If you are a GXLP Team and would like to participate in this unique plenary discussion and special track, please contact ISDC 2011 or Mike Doornbos at [Evadot.com](http://Evadot.com). Saturday, May 21.

**Space Job Fair:** Employers from Alabama and across the country are looking to build a new Space Economy right here in Huntsville. Industry leaders from the private sector will be available to meet with you in person and share employment opportunities. This is the next chapter in the long, successful history of Huntsville’s space program. Join the ISDC, National Space Society, Huntsville Space Professionals and the Next Step in Space as we bring the space industry together in Huntsville. Be part of it. Let’s change the world again.

**Track Programming:** ISDC offers numerous track sessions on space industry development. This year’s tracks include: Space and Planetary Sciences; Technology Development; Launch Vehicles, Spacecrafts and In-Space Propulsion; Biotechnology and Space Biology; Business and Economy of Space; and Breakthrough Science and Technology, among others. Thursday, May 19 through Sunday, May 22.

**ISDC Space Trade Fair:** A dynamic, engaged workforce dedicated to mission success is critical to every organization seeking to prosper in space endeavors. The Exhibit Hall at ISDC 2011 provides a special opportunity for companies to showcase their advanced work to an informed audience of government and corporate decision-makers, space advocates, potential employees, students and the interested public. The Exhibit Area will be open to conference attendees May 19-22 and to the general public for a \$5 admission fee May 21-22.

This is just a sampling of the many events that comprise ISDC. Please visit our web site for all of the details!