AIAA News

AIAA Partners with the Real World Design Challenge

The Real World Design Challenge (RWDC), an annual national competition that provides high school students in grades 9–12 the opportunity to work on real world engineering challenges in a team environment, took place at the 4H Center in Chevy Chase and at the National Air and Space Museum in Washington, DC on 16 April. The Real World Design Challenge is a national aviation design competition run by a public-private partnership with the goal of increasing the Science, Technology, Engineering, and Mathematics (STEM) workforce. Sponsored by PTC® (the Product Development Company), the FAA, and others, along with several partners, including AIAA, students representing 20 states were challenged to design their next-generation solutions for a green aircraft wing and compete in elimination presentations.


Full Story >

AIAA Announces 2011 Board of Directors Election Results

AIAA is pleased to announce the results of its 2011 Board of Directors election. The newly elected board members will begin their terms of office on 12 May. Incoming President Brian Dailey will be succeeded next year by President-Elect Michael Griffin.

Newly elected officers and directors >

AIAA Selects Matthew Cannella as Board of Directors

Honors & Awards

Edwin Vickery to Receive AIAA 2011 Theodor W. Knacke Aerodynamic Decelerator Systems Award

AIAA is pleased to announce that Edwin Vickery, consultant, and vice president of engineering (retired) at Irvin Aerospace Inc., Santa Anna, CA, will receive the AIAA 2011 Theodor W. Knacke Aerodynamic Decelerator Systems Award during the 21st AIAA Aerodynamic Decelerator Systems Technology Conference, 23–26 May at Trinity College, Dublin, Ireland.

Vickery is being honored for his “five decades of dedication and innovation in the art of aerodynamic decelerator systems and for exceptional mentorship of the next generation of aerodynamic decelerator engineers.”

More Info>

Call for Fellow and Honorary Fellow Nominations

Now is the Time to Start Thinking about Nominating a Peer for Fellow or Honorary Fellow.

Fellow candidates are persons of distinction in aeronautics or astronautics, who have made notable and valuable contributions to the arts, sciences, or technology thereof. Honorary candidates are persons of
Student Liaison
University of Colorado Graduate Student to Begin Serving on Board in May 2011

AIAA has selected Matthew Cannella of the University of Colorado at Boulder as student liaison to its board of directors. A graduate student in aerospace engineering, Cannella will begin his one-year term as student liaison on 12 May.

AIAA President Mark Lewis, chair of the aerospace engineering department at the University of Maryland, stated, “On behalf of the members and staff of AIAA, I congratulate Matthew Cannella on his selection as student liaison to our Board of Directors. We are an organization that looks to the future, and nowhere is this more evident than our focus on the next generation. It is critical that students are represented in our decision making processes, because so much of the future of aerospace will be designed, built, and flown by them. Matthew will thus be serving in a very important role, ensuring that student voices are heard and acted on within our governance structure. I wish him the best as he undertakes his duties.”

(Pictured: Matthew Cannella of the University of Colorado at Boulder)

Full Story >

AIAA Foundation Student "Design/Build/Fly" Winners Announced
Fifteenth Annual Competition Drew a Record 71 Teams from 25 States and Eight Foreign Countries

The AIAA Foundation is pleased to announce the winners of the 2010–2011 Cessna Aircraft Company/Raytheon Missile Systems/AIAA Foundation Student Design/Build/Fly Competition, held 15–17 April at the Tucson International Modelplex Park Association (TIMPA) Airfield, Tucson, AZ. The competition, which encourages and recognizes excellence in aerospace engineering skills at the undergraduate and graduate levels, drew a record high 71 teams from 68 colleges and universities, representing 25 states and eight foreign countries.

The winning team, “There Will Be Buzz,” from the Georgia Institute of Technology, Atlanta, GA, received the $2,500 first place award. “The RFB,” team from the University of Southern California, Los Angeles, CA, took the $1,500 second place prize. The “Golfstream” team from Purdue University, West Lafayette, IN, received the $1,000 third place prize.

(Pictured: The 1st Place team: Georgia Tech – There Will Be Buzz. Image Credit: AIAA member, Chase Ashton, past competitor while a student at Virginia Tech, who for the past several years has served as one of the primary technical inspection judges. View more of Chase’s DBF Competition Photos)

Full Story >

Lawrence Sperry Award Nominations Now Open!

Each year, AIAA presents the prestigious Lawrence Sperry Award to a Young Professional Member for notable achievement in the advancement of aeronautics and astronautics. Many distinguished individuals in the industry started out as AIAA young professionals.

More Info>

Featured Products
Hot Off the Press

Engineering Computations and Modeling in MATLAB®/Simulink®
Oleg A. Yakimenko

Order your copy today!

You Can Look it Up
The AIAA Electronic Library

Now Available in the AIAA Electronic Library

- AIAA Journal, Vol. 49, Issue No. 5
- Journal of Aircraft, Vol. 48, Issue No. 2
to showcase the aerospace profession and show members of Congress the value and impact that aerospace has both locally and nationally.

Every August, members of Congress return to their home districts as part of a summer work period. Without the distraction of endless meetings, votes on legislation, and committee hearings, meeting with your representative in your home district is easy and effective. It enables a continuation of relationships started at AIAA’s Congressional Visits Day (CVD) or an opportunity to begin an ongoing dialogue between you and your member of Congress.

(Pictured: AIAA Section hosts Congressman Trent Franks for a discussion on aerospace policy)

Full Story >

Maurice Selected as Executive Director of FAA’s Environment and Energy Office

AIAA Fellow Dr. Lourdes Maurice was selected as Executive Director of the Federal Aviation Administration’s Office of Environment and Energy in March 2011. In this capacity, she is responsible for developing, recommending, and coordinating national and international standards, policy and guidance, research and studies, and analytical capabilities on aviation environmental and energy matters. In addition, she will represent the United States in the International Civil Aviation Organization Committee on Aviation Environmental Protection. Dr. Maurice joined the Federal Aviation Administration as Chief Scientific and Technical Advisor for Environment in October 2002. As a result of her recent selection as Executive Director of the FAA’s Office of Environment and Energy, the FAA is now in search of candidates to fill Dr. Maurice’s previous position. Qualified AIAA members are encouraged to apply.

(Pictured: Dr. Lourdes Maurice, AIAA Fellow and Executive Director of the Federal Aviation Administration’s Office of Environment and Energy)

AIAA Salutes Innovative Thinking by Future Generations

Congratulations to the 2011 Pete Conrad Scholars

Sponsored in part by AIAA, the Pete Conrad Spirit of Innovation Award ceremonies were held 28 April–1 May at the NASA Ames Research Center, Moffett Field, CA. The annual innovation program encourages high-school students from across the country to solve the challenges of the 21st century by creating breakthrough technologies using science, technology, engineering and math knowledge and skills. Each of the 27 finalist teams created a technical report, a business plan, and a graphical representation for their product. The winning teams were selected by a panel of judges made up of top-level academia and industry representatives, with

Visit the AIAA Electronic Library Today!

Attending a Conference?

Attend a Course!

Professional Development Short Courses

Registration is open for following courses co-located with the AIAA/CEAS Aeroacoustics Conference in Portland, Oregon; the AIAA Fluid Dynamics Conference (and co-located conferences) in Honolulu, Hawaii; and the 41st International Conference on Environmental Systems in Portland, Oregon.

Computational Aeroacoustics: Methods and Applications
4–5 June 2011
AIAA/CEAS Aeroacoustics Conference
Portland, Oregon
More Info >

Computational Multiphase Flow
25–26 June 2011
AIAA Fluid Dynamics Conference (and co-located conferences)
Honolulu, Hawaii
More Info >

Microfluidics and Nanofluidics: Fundamentals and Applications
25–26 June 2011
AIAA Fluid Dynamics Conference (and co-located conferences)
Honolulu, Hawaii
More Info >

Modern Flow Control I: Intro to Fundamentals and Applications
25–26 June 2011
AIAA Fluid Dynamics Conference (and co-located conferences)
Honolulu, Hawaii
More Info >

Sensitivity Analysis, Uncertainty Propagation and Validation for Computational Models
25–26 June 2011
AIAA Fluid Dynamics Conference (and co-located conferences)
Honolulu, Hawaii
More Info >

Turbulence Modeling for
input from public voting at [www.conradawards.org](http://www.conradawards.org). The grand prize winners taking home the coveted title of 2011 Pete Conrad Scholars were:

- **Ouroboros**, Upper Clair High School, Pittsburgh, PA (aerospace exploration), for their Perpetual Harvest Space Nutrition System that takes organic waste created during long duration space flight and creates compost that is then used to grow fresh foods also serving as an air filter for human habitation.

- **West Philly EVX Team**, West Philadelphia High School Auto Academy, West Philadelphia, PA (clean energy), for their Electric Very Light Car (EVLC), which is being prepared for commercial market and will set the standard for efficiency.

- **Unisecurity**, North Carolina School of Science & Mathematics, Durham, NC (cyber security), for their Med PAL smartphone application that works with a Bluetooth enabled heart rate monitor worn by the user. MedPAL will automatically contact a call center and/or personal emergency contacts based on GPS coordinates should irregularities occur.

(Pictured: Ouroboros, Upper Clair High School, Pittsburgh, PA)

Full Story >

**Presentations from AIAA's 1st Biennial Congressional Aerospace Policy Retreat Now Available on AIAA.org**

Presentations from AIAA's inaugural Congressional Aerospace Retreat, held on Friday, 18 March, at the Senate Visitors Center on Capitol Hill, are now available on the [Public Policy section](http://www.aiaa.org) of AIAA.org. The day-long event gave congressional staffers and decision makers a solid overview of the importance of aerospace to the nation, and brought them up to date on developments within the aerospace industry.

Notable speakers for the event included: George C. Nield, associate administrator for commercial space transportation at the FAA; Ken Bowersox of SpaceX; Andreas Diekmann, Washington head of the European Space Agency; Brewster Shaw Jr. of The Boeing Company; and Dr. Scott Pace of the Space Policy Institute at The George Washington University.

More Info >

**AIAA Encourages Member Participation in the 2011 AVIC Cup**

As part of AIAA's collaboration with the Chinese Society of Aeronautics and Astronautics (CSAA), the Institute is pleased to be an overseas partner for the International UAV Innovation Grand Prix (also known as the AVIC Cup). This event will be held 23–25 September at the China Aviation Museum in Beijing. The Grand Prix features unmanned aerial vehicle design competitions and will award prizes for creativity and athletics. **The application deadline is 31 May 2011.** For more information or to apply to participate in the competitions, visit [www.uavgp.com](http://www.uavgp.com).

More Info >

**NASA Innovative Advanced Concepts Program Seeks Peer Reviewers**

**Quick Takes**

**Chief Scientist of USAF Releases RFI for "Revolutionary Energy Concepts for Air Force Energy Horizons"**

The office of the Chief Scientist of the United States Air Force has recently released a Request for Information (RFI) for "Revolutionary Energy Concepts for Air Force Energy Horizons." This RFI is to obtain information about revolutionary energy science and technology research (air, space, cyber and infrastructure) and operational concepts to support Air Force projected missions in the mid-term (FY2016–20) and far term (FY2021–30). AIAA members who believe they have revolutionary energy concepts for air, space, cyber or infrastructure missions are encouraged to participate.

More Info >

25–26 June 2011
AIAA Fluid Dynamics Conference (and co-located conferences)
Honolulu, Hawaii
More Info >

16–17 July 2011
41st International Conference on Environmental Systems
Portland, Oregon
More Info >

Follow AIAA Professional Development on Twitter - @AIAACourses

To learn more about these courses or to register visit [www.aiaa.org/courses](http://www.aiaa.org/courses).

Remember – When you register for a professional development course, you will receive a FREE Conference Registration (sessions only) to the conference where your course is scheduled!
Worldwide” Due by 12 August

The Society for Standards Professionals (SES) is sponsoring the 2011 World Standards Day Paper Competition. Standardization speeds innovation, facilitates harmonized trade, and boosts consumer and government confidence in products, services, systems, and processes. Above all, standardization provides an adaptive framework for developing the most effective solutions to critical global challenges. This year’s event will recognize the crucial role of standards, codes, and conformity assessment in assuring the health and safety of people and the environment, today and for future generations.

Winners will be announced and awards presented during a banquet at the celebration, which will be held on 13 October 2011, at the Fairmont Hotel in Washington, DC. Cash prizes will be awarded for up to three papers selected by a panel of judges. The winning papers will be published in SES’s journal, Standards Engineering. All paper contest submissions must be received with an official entry form by midnight, 12 August 2011, by Leona Nisbet, SES Executive Director, 1950 Lafayette Rd., Box 1, Portsmouth, NH 03801. For details on the competition’s rules and to download entry forms and other information, visit the SES Web site.

A U.S. Telerobotics Special Interest Group (US-TRS SIG) is Established Within the Framework of the U.S. Technical Advisory Group to ISO/TC20/SC13

The goal of this SIG is to explore a potential U.S. consensus in the development of such standards, possibly leading to the raising of an international Birds Of a Feather (BOF) group within Consultative Committee for Space Data Systems (CCSDS).

If you are interested in joining this group, please send its convener your contact information (e-mail, phone, etc.):

Mr. Lindolfo Martinez
NASA Johnson Space Center
281.483.4346
Lindolfo.Martinez-1@nasa.gov

More Member Shuttle Stories Posted!

As NASA’s space shuttle program nears its end, the Institute, in coordination with AIAA’s History Technical Committee, is continuing in its efforts to capture as many of your shuttle program experiences and insights as possible. Whether you drew up the first blueprints, or saw a single shuttle launch, we are interested in hearing from you. As the space shuttle program nears its final liftoffs, your stories, and associated images, are being shared with the world via the AIAA Web site, with a “Final Launch” Web page. To date, numerous AIAA members have participated in this initiative, and for those who have not, there’s still plenty of time as we will continue with this initiative through the shuttle program’s final launch later this year.

Hypersonic Presentations Now Available on AIAA.org

Ten presentations from the recently concluded 17th AIAA International Space Planes and Hypersonic Systems and Technologies Conference, which took place 11–14 April in San Francisco, are now available on the Key Speeches, Reports, and Presentations page of AIAA.org.

Trivia

This year marks an important anniversary of the day that inventor Thaddeus Lowe sent a telegram to the White House. From where did he send the telegram, and who was the U.S. President at the time?

Trivia answer >

Members May Now Enjoy Savings on Auto and Home Insurance

AIAA has teamed up with Liberty Mutual to offer our members Group Savings Plus®. This unique program allows members to purchase high-quality auto, home and renters insurance at low group rates through the convenience of
So there’s still time to share your story and we encourage you to do so. Just submit your stories and/or pictures to Lawrence Garrett, AIAA’s Web Editor. Please limit your stories to 500 words, and include no more than two pictures at a time as e-mail attachments.

(Pictured: Space Shuttle Discovery at dusk. Credit: Ben Sarao, Senior Member, AIAA History Technical Committee.)
Submit Your Story >

Reminder to Student Members: You will Receive Aerospace America via Electronic Delivery Starting 1 June

In an effort to streamline delivery of the Aerospace America to student members, AIAA will begin electronic delivery of the magazine effective 1 June. Student members will cease to receive a printed, mailed copy of the magazine, but will instead receive an electronic copy via e-mail delivery. The new delivery system will mean no more lengthy posting delays, or “borrowed” or lost copies, and greater accessibility to the material for our student readers. Single print issues will still be available at single issue pricing should they be required. Student members will be receiving e-mails in the next few days explaining the change in delivery method, so stay tuned to your inboxes. The future starts 1 June 2011.

Conferences and Events

Only 20 Seats Remain Open for Inside Aerospace: A Forum for Policy Leadership

11 May, Washington, DC

Cybersecurity Strategy and Emerging Technology Acquisitions are hot topics on everyone’s national agenda. AIAA has created the perfect forum, Inside Aerospace 2011, by bringing together 10 high-level speakers and panelists, representing military, government and industry. Featured speakers for Inside Aerospace include:

- Frank B. (Ted) Campbell, VP, Advanced Concepts Engineering and Technology, Lockheed Martin Corp
- Heidi Shyu, Assistant Secretary of the U.S. Army for Acquisitions, Logistics & Technology

Register Now >

Aerospace Today … and Tomorrow
An Executive Symposium

2 June, Williamsburg, Virginia

Attend Aerospace Today … and Tomorrow: An Executive Symposium, and gain an insider’s look into today’s leading aerospace business opportunities and technical issues and take automatic checking account deductions and direct home billing. You can contact Liberty Mutual directly at 1.800.524.9400 and provide client #8357, for a free, no-obligation quote, or you can visit them online.

May Issue of Aerospace America Now Available Online

The May 2011 issue of Aerospace America is now available online for AIAA members. Don’t miss this month’s feature article, "Lows and Highs for SBIRS Early Warning," in which author James W. Canan discusses how as more nations began building ballistic missiles and acquiring nuclear weapons, U.S. early warning satellites were starting to wear out. As plans to replace them proved overly ambitious, defense officials redoubled their efforts to overcome mounting problems, and “the resulting Space-Based Infrared System now appears to be exceeding expectations.”

To access the May issue of Aerospace America please visit www.aiaa.org/myaiaa and log in.

Have an Opinion on a Current Aerospace Topic? Want to Raise an Issue?

Send a note to elainec@aiaa.org and see it posted on Aerospace America’s Virtual Town Hall. Check it out and join in on the discussion.
part in a discussion on developments planned for the future of the industry. The main event will be 2 June at the Kingsmill Resort in Williamsburg, Virginia. This is an AIAA Corporate Member event you will not want to miss! For more information visit [www.aiaa.org/events/att](http://www.aiaa.org/events/att) or contact Grant Belden at 703.264.7511 or grantb@aiaa.org. Register today!

**Tee Off with the AIAA Foundation**

The AIAA Foundation is hosting a golf outing in conjunction with the Aerospace Today … and Tomorrow executive symposium, an event that provides a forum for top-level discussions on how the aerospace industry is progressing from both government and corporate perspectives. Join us on Wednesday, 1 June, for a fun afternoon of golf and networking at the award-winning Plantation course at Kingsmill Resort, in Williamsburg, VA, the host site for the Symposium. The cost for golf is $120 per player, with proceeds to benefit the AIAA Foundation’s education programs. Contact Grant Belden at grantb@aiaa.org or 703.264.7511 for more information and to register.

**Time is Running Out to Save on Aeroacoustics**

Just a few weeks remain to save off the full price registration fee for the 17th AIAA/CEAS Aeroacoustics Conference, which will take place 5–8 June 2011 in Portland, Oregon. The conference will include featured speakers Dr. C. K. W. Tam of Florida State University, Dr. T. F. Brooks NASA Langley Research Center, and Dr. Nigel Peake University of Cambridge. The conference will also feature multiple networking opportunities through luncheons and receptions. Register today at [www.aiaa.org/events/aeroacoustics](http://www.aiaa.org/events/aeroacoustics)!

**Registration Now Open for a SPECIAL Graduate Certificate Course**

**Space Systems Engineering Classes Starting 23 June**

AIAA, in partnership with the Stevens Institute of Technology’s School of Systems and Enterprises, is proud to present a unique program geared toward professionals currently working in the space industry or those interested in careers in space systems. To fully utilize emerging opportunities and explore new ones within a modern space-centric enterprise, it is crucial to have both the technical knowledge necessary to design cutting-edge space missions, systems and associated products, as well as the systems knowledge that is required to operate in an increasingly complex business and policy environment. The Space Systems Engineering Graduate Certificate integrates crucial activities spanning the entire life cycle. Information and capabilities are learned by participants in hands-on space system and mission design assignments focusing on operations concept development, space system architecture, verification and validation, as well as key system engineering processes and tools.

AIAA Members and Student Members Will Receive 10% off Tuition. Visit [www.stevens.edu/AIAA](http://www.stevens.edu/AIAA) for more details about the program.

**Designed with the Working Professional in Mind.**

**AIAA Career Center**

AIAA is pleased to provide members with a Career Center, with extensive lists of resumes and available positions. A powerful and user-friendly search tool allows you to find the ideal job or candidate.

**Get the Most Out of Your AIAA Membership**

The best place to discover the many ways that you can network with AIAA members is at [info.aiaa.org](http://info.aiaa.org). This is the place to connect with other members in your geographic or technical interest areas. Discover upcoming local events, read the local section and technical committee newsletters, and get in touch with officers and committee members. Make 35,000 connections today!

**Link up Through LinkedIn!**

A great way to make connections with other members of the aerospace community is through AIAA’s LinkedIn group. The group, available only to active AIAA members, is your “one-stop” forum for networking with other AIAA members, gaining insight into the day’s aerospace headlines, discovering employment opportunities within the community, and learning new information about AIAA events. [Link up with AIAA LinkedIn today!](http://www.linkedin.com/groups/AIAA)

**Member Spotlight**

**AIAA Congratulates Basil Hasan**

AIAA has selected Dr. Basil Hassan for its Member Spotlight for May,
Deadline to Save on AIAA Summer Conferences Just Weeks Away

The early bird registration deadline for the 2011 Summer conferences in Hawaii is just weeks away. Register today to receive the lowest possible rate for these eight co-located events. Join us at the Sheraton Waikiki and Hawaii Convention center in beautiful downtown Honolulu, 27–30 June. These events will bring together scientists, engineers, and professionals from industry, government, and academia who participate in scientific research and development in the aerospace engineering and fluid dynamic disciplines. Featured speakers will include former NASA Space Shuttle astronaut Dr. Ronald M. Sega and Michael W. George, NASA Aeronautics Test Program Director, as well as Charles Meneveau of Johns Hopkins University, Hans Hornung of Caltech, and Ramesh K. Agarwal of Washington University. Register today at www.aiaa.org/events/ices.

Join us in Portland for ICES 2011

Registration is now open for the 41st International Conference on Environmental Systems. 2011 marks the second year that AIAA will organize this event. Join us 17–21 July at the Marriott Portland Downtown Waterfront in Portland, Oregon as we bring together approximately 50 technical sessions and a myriad of networking opportunities during the receptions, banquets, and a river boat dinner cruise on the Portland Spirit yacht. Be sure to register early to receive the lowest possible registration rate. Discounts are available through 20 June. Register now at www.aiaa.org/events/ices.

Registration Open for the JPC and IECEC

AIAA, ASME, SAE, ASEE, and their industry partners invite you to San Diego, CA, for the 47th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit (JPC) and the 9th Annual International Energy Conversion Engineering Conference (IECEC), 31 July–3 August.

Earlybird rates valid thru 28 June. Visit the Conference Web site and register today!

Special Keynote Session at GNC/AFM/MST Conference in Portland, OR

Crossing the Generational Divide: Leveraging the Power of Generations™ For Your Strategic Advantage

Jason Ryan Dorsey will deliver the keynote session at the GNC, AFM, and MST conference 8–11 August, in Portland OR. Jason Ryan Dorsey knows the generation gap firsthand. His Boomer mom keeps checking on him. His Gen Y sister won’t be his Facebook Friend. His Traditionalist grandfather calls every Sunday—from a landline. Most important, his generational strategies and ready-to-use best practices have created significant breakthroughs for companies and individuals.
Around the world.

Ever felt like another generation doesn’t “Get it”? They act like they are from a completely different time—because they are. You see these challenges in areas ranging from innovation to communication (aka you send an email and they respond with a one-word text—at 4am). The frustration caused by generational disconnects is not new, but the costs have never been higher. Hidden within this generational challenge is a tremendous opportunity to leverage each generation’s strengths and differences for a powerful, profitable advantage.

Register today for this Conference! Early bird rates valid thru 11 July.

Engineers as Educators Workshops

AIAA has trained over 400 members to work with students and teachers in both formal and informal settings. These members have gone into classrooms, taught after school enrichment programs, and worked with Scout groups. If you want to feel more comfortable working with K–12 students and learn how to construct grade-level appropriate presentations and do low-cost activities that will dazzle and inspire, these workshops are for you. Space is limited and registration is required. Workshops will be taught at the Hyatt Regency Crystal City, in Arlington, VA, on 9 May; at the Joint Propulsion Conference in San Diego, CA on 2 August; at the Guidance, Navigation, Control Conference in Portland, on 11 August; and at the 11th AIAA Aviation Technology, Integration, and Operations (ATIO) Conference, including the AIAA Balloon Systems Conference and the 19th AIAA Lighter-Than-Air Technology Conference in Virginia Beach, VA on 21 September. Registration forms are available for Arlington, 9 May, San Diego, 2 August, Portland, 11 August, and Virginia Beach, 21 September. If you have questions about any of the workshops, please contact Lisa Bacon at LisaB@aiaa.org.

AIAA to Organize NRO’s 50th Anniversary Reception

AIAA is pleased to be organizing The National Reconnaissance Office (NRO) 50th Anniversary Reception which will be held 17 September at the Smithsonian Institution National Air and Space Museum’s Steven F. Udvar-Hazy-Center, in Chantilly, VA. The commemorative event is being held to recognize and celebrate the collective contributions that the NRO’s people and innovative technologies have made to our nation’s security in supporting policy decisions, intelligence activities, and military operations around the world. As part of this event, the NRO plans to highlight examples of those contributions by unveiling two legacy satellite reconnaissance systems. If your organization is interested in participating in this celebration, please contact Merrie Scott at MerrieS@aiaa.org.

Education Alley Returns to Long Beach, CA

27–29 September 2011

Education Alley returns to Long Beach for the AIAA SPACE 2011 Conference & Exposition, giving students and teachers
an opportunity to learn more about space. Also known as the “ultimate field trip,” Education Alley will inspire Long Beach area students about math and science as the foundation for exciting careers in the space industry. Students will learn how space impacts their everyday lives by meeting with astronauts and the people who work with satellites, GPS technology...and many more topics. Each day, students will be part of a press conference or NASA live event and will then tour a specially built exhibit, and participate in presentations that will leave them talking on the bus back to school!

More Info >

SDM 2012 Update

The Call for Papers is now open for the 53rd Structures, Structural Dynamics, and Materials Conference (SDM) and co-located conferences scheduled for 23–26 April 2012 in Honolulu, Hawaii. This established annual conference provides a unique forum dedicated to the latest developments in the collective disciplines of structures, structural dynamics, materials, design engineering, and survivability. The 53rd Conference will also host the 20th AIAA/ASME/AHS Adaptive Structures Conference, the 14th AIAA Non-Deterministic Approaches Conference, the 13th AIAA Gossamer Systems Forum, and the 8th AIAA Multidisciplinary Design Optimization Specialist Conference. Plenary presentations, given by recognized, forward-thinking invited speakers, will be a special feature of the conference. This year’s presentations will address strategies and techniques for shortening the time required to bring new aircraft and spacecraft structures and materials technologies to flight readiness.

Visit the conference Web site and submit your paper today. Abstract deadline is 10 August.

ASM Call for Papers Abstract Deadline is Next Month

The abstract deadline for the 50th AIAA Aerospace Sciences Meeting including the New Horizons FORum and Aerospace Exposition is already approaching. The deadline to submit is 1 June 2011. Be sure to submit your abstract to be included in the first major multidisciplinary event of the year for aerospace scientists as it moves to Nashville, Tennessee. Did you know that AIAA Journals are cited more often than any other aerospace-related journal and their impact factor is ranked in the top 10? When you publish with AIAA, you know that your name is connected with the most prestigious publications in the aerospace field. Submit your paper today at www.aiaa.org/events/asm.

Register for ISDC 2011 at Special Rate

The National Space Society’s 2011 International Space Development Conference (ISDC), set for 18–22 May in Huntsville, AL, will cover several broad topic areas in relation to becoming a spacefaring civilization: Transportation to and through space; Technology needed to live and work in space; and Earth-based activities to advocate for, or educate others about, space development. The theme of ISDC 2011 is “From
the ground up," emphasizing the tools and resources needed, as well as the social activities that must be achieved, in order to make a spacefaring civilization a reality. Participants are encouraged not just to describe an ideal "future state," but to think about the technical, economic, or advocacy steps that must be accomplished to achieve a specific goal. Single attendance days, in addition to select meal events, are available. **Special discounts are available to AIAA members.** Please visit [www.isdc2011.org](http://www.isdc2011.org/) for additional information.