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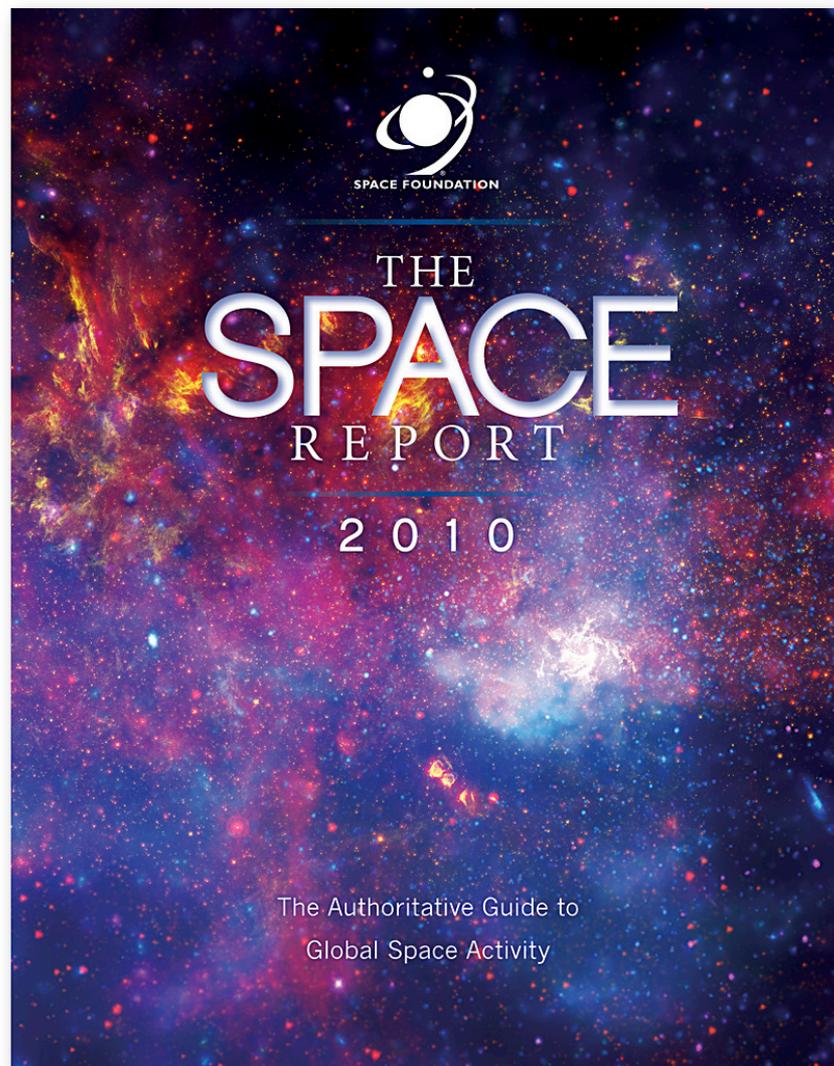
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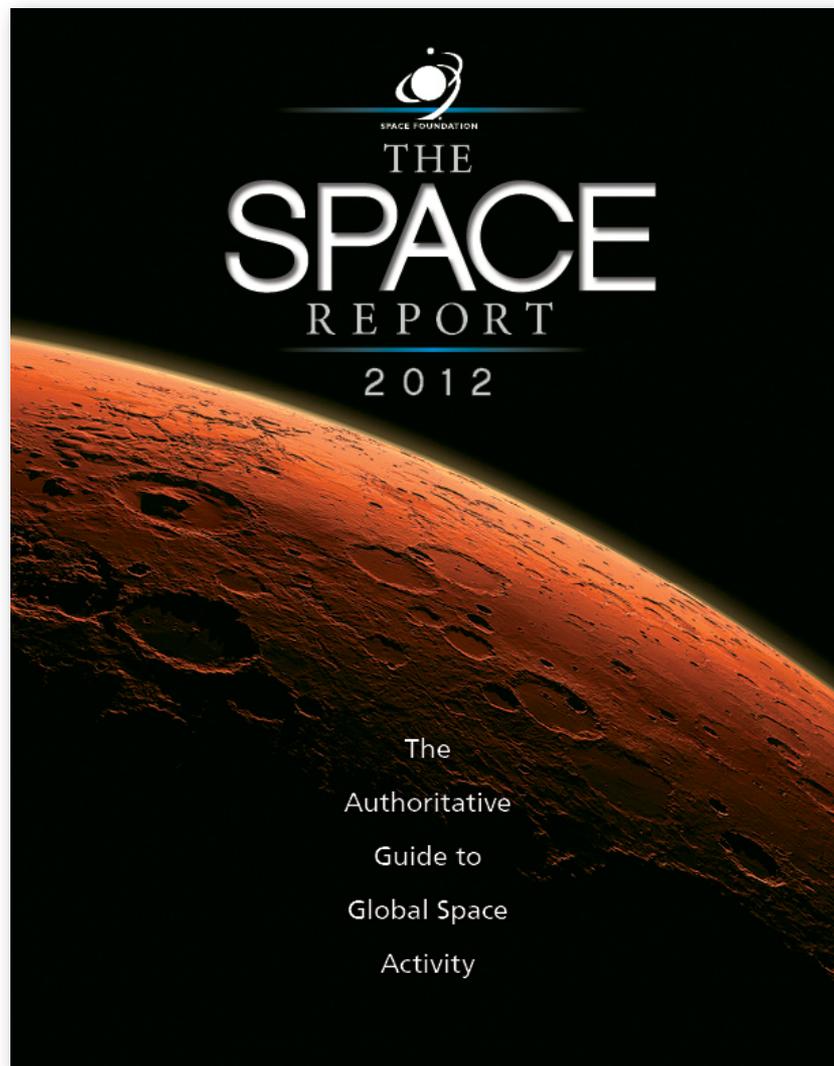


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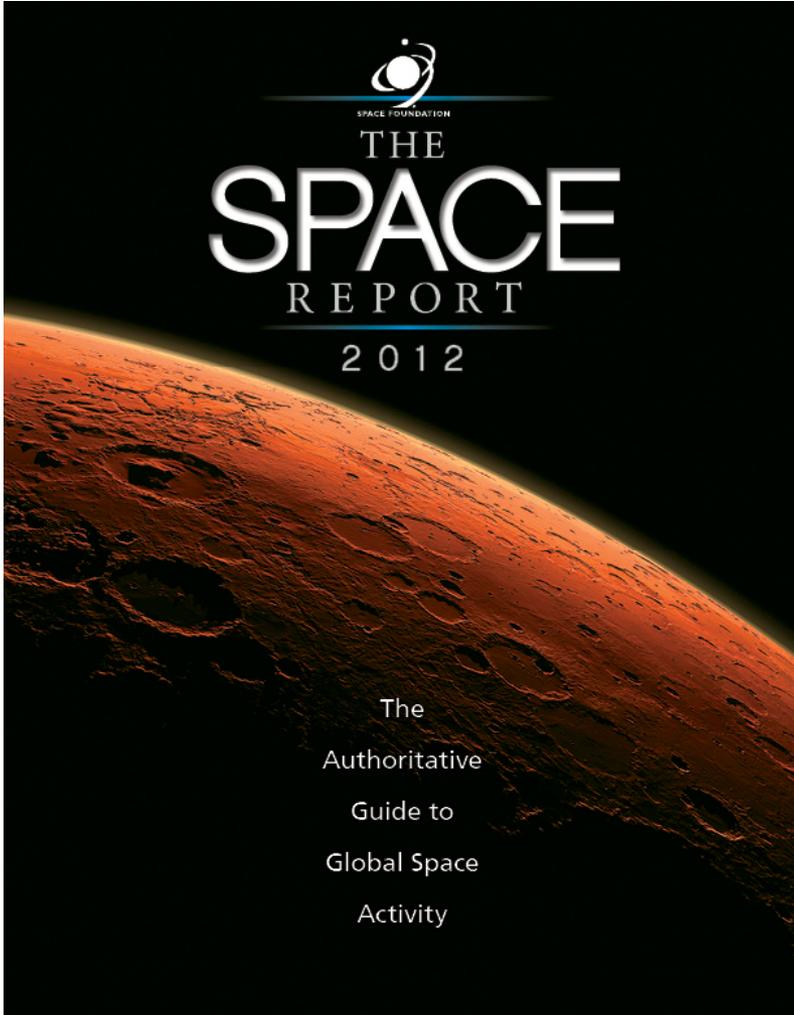
Space Foundation's
The Space Report 2010



Space Foundation's
The Space Report 2012



Space Foundation's The Space Report 2012



THE SPACE REPORT 2012

The Authoritative Guide to Global Space Activity

As humans we have a desire to know more, to learn about what is beyond our reach, and beyond our understanding.

In 2012, we wished a safe journey to our surrogate space traveler, Mars Science Laboratory, Curiosity, sending this latest rover to Mars' surface with new assignments and greater capability.

Curiosity is projected to touch down on August 5, 2012, near Gale Crater, which is shown on the cover of this book. The image is created from data gathered by the Mars Orbiter Laser Altimeter, typically depicting the red planet between darkness and daylight.

Human fascination with Mars, visible with the naked eye, began long before the invention of the telescope in the 1600s or the earliest attempts by the Soviet Union to send missions to Mars in 1960. Mars has been the focus of more than 40 missions, some successful and some not, all of which fueled human resolve to continue to develop technologies needed to explore.

Significant missions include Mariner 4's flyby in 1965, providing the first close-up photographs; Viking landers in 1976; Mars Global Surveyor and Mars Pathfinder, which deployed the Sojourner rover in 1997; Mars Odyssey in 2001; Mars Express in 2003; the Spirit and Opportunity rovers in 2004; Reconnaissance Orbiter in 2006; and the Phoenix lander in 2008. Additional missions are underway or being considered by national space agencies, and collaborators around the globe.

Curiosity is the human characteristic that has sustained exploration throughout the centuries.



- 1976-1982 VIKING 1 and VIKING 2**
Launched in 1975 and September 9, 1976, respectively, the Viking 1 and Viking 2 landers were the first to use heat shields for descent and soft landings on Mars. They also provided the first color images of Mars. The Viking 1 mission was extended for two years beyond the original 90-day mission.
- 1997 MARS PATHFINDER and SOJOURNER**
Launched by the Mars Global Surveyor and Mars Pathfinder landers in 1997, the Sojourner rover was the first to use a rover to explore Mars. It was the first rover to be used on Mars.
- 2001-2010 SPIRIT**
The Mars Exploration Rover Spirit was launched in 2001. It was the first rover to be used on Mars. It was the first rover to be used on Mars.
- 2001-Present OPPORTUNITY**
Designed to last just three months, the rover surpassed Opportunity's original mission of 90 days. It has been on Mars for over 5 years.
- 2008 PHOENIX**
Landing in a polar region of Mars in May 2008, Phoenix was the first rover to land in a polar region. It was the first rover to land in a polar region.

Image courtesy of NASA/JPL-Caltech. Spirit and Opportunity rovers on Mars. Spirit and Opportunity rovers on Mars. Spirit and Opportunity rovers on Mars.



Color Image
Data collected by the Mars Reconnaissance Orbiter (MRO) and Mars Global Surveyor (MGS) have provided the most detailed color images of Mars ever. The images show the red planet's surface in detail, including the polar ice caps and the deep canyons.

CURIOSITY
This view of the remote sensing mast on the Mars rover Curiosity shows seven of the 17 cameras on the rover. On each side of Curiosity's mast are two pairs of Navigation Cameras, which will be used to guide the rover and to capture three-dimensional images. The large circular opening is the Chemistry and Camera (CheMin) instrument, which uses a laser and telescopic camera for remote spectroscopic analysis of rocks at a distance of up to 2 meters (6.6 feet). CheMin was conceived, designed and built by a U.S.-French team. The Mast Camera (MastCam) instrument includes two scientific and natural-color imaging systems, one with a focal length of 100 millimeters and the other with a focal length of 34 millimeters.



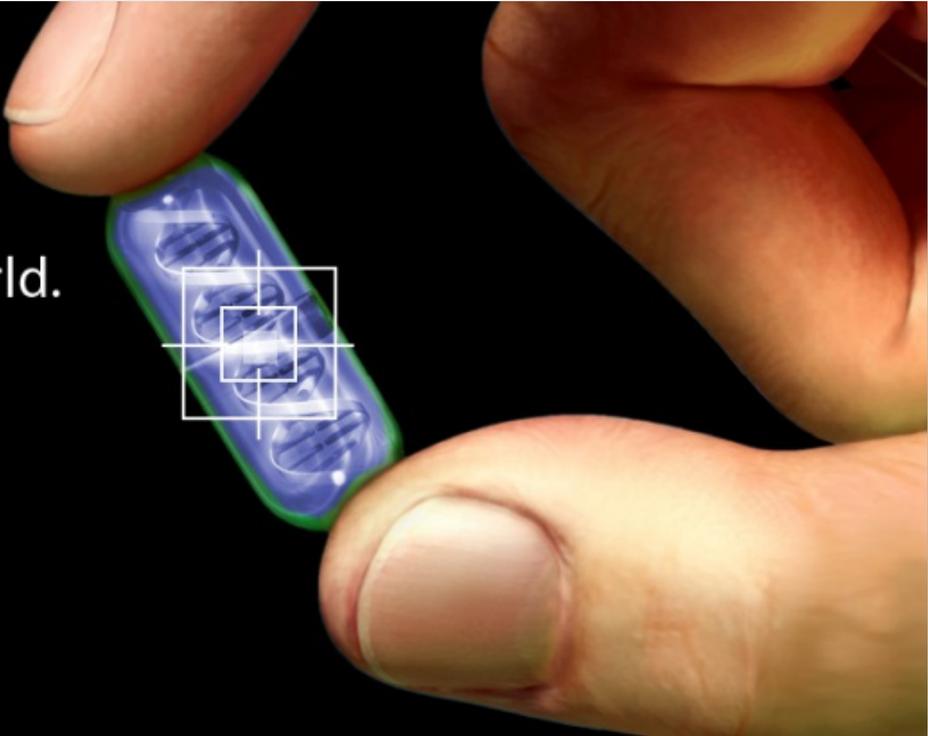
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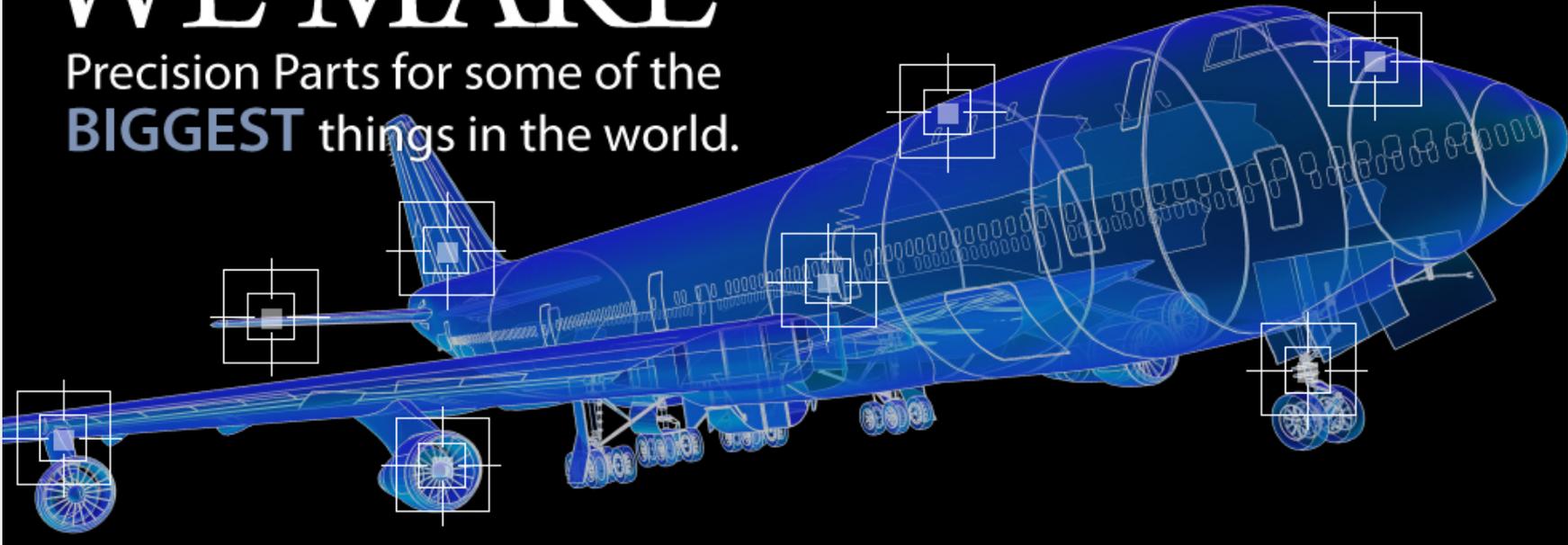
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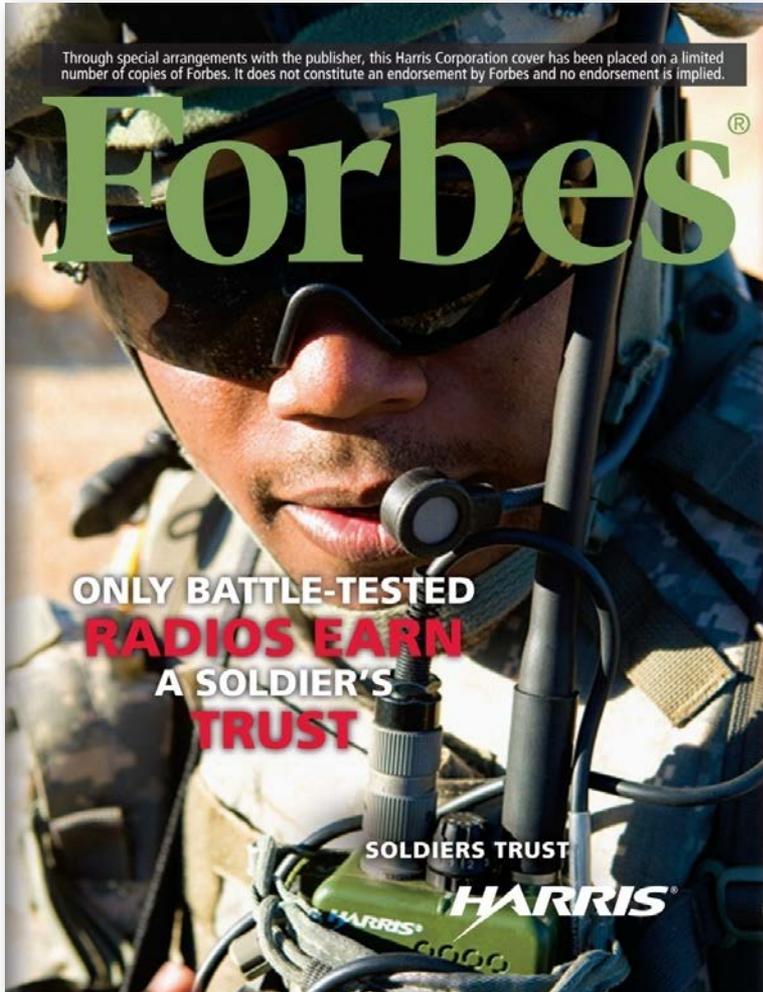
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WE MAKE
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YOU.

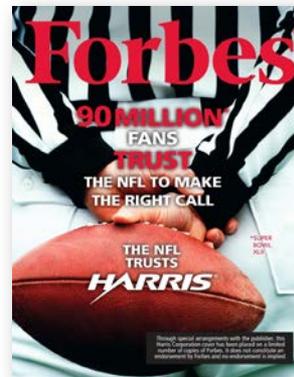
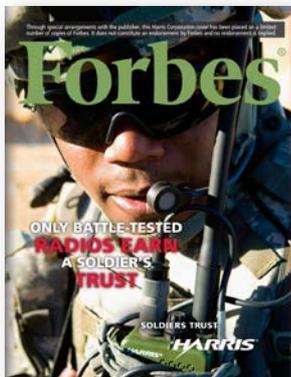
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900 MILLION PEOPLE **TRUST** WEATHER EXPERTS WITH THEIR LIVES AND PROPERTY

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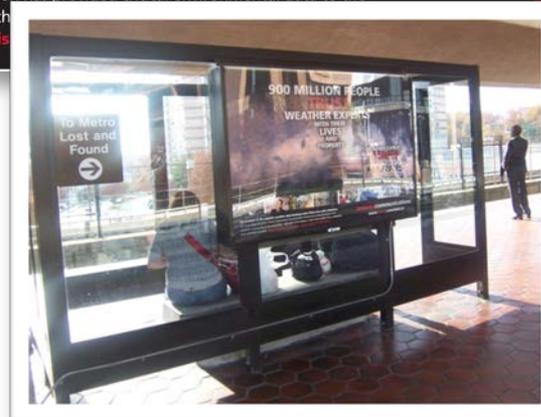
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We've been in the satellite weather data business since there was such a business. For more than 45 years, Harris Corporation has provided critical environmental data to the weather community in the Americas — the United States and wherever needed. **When success is**

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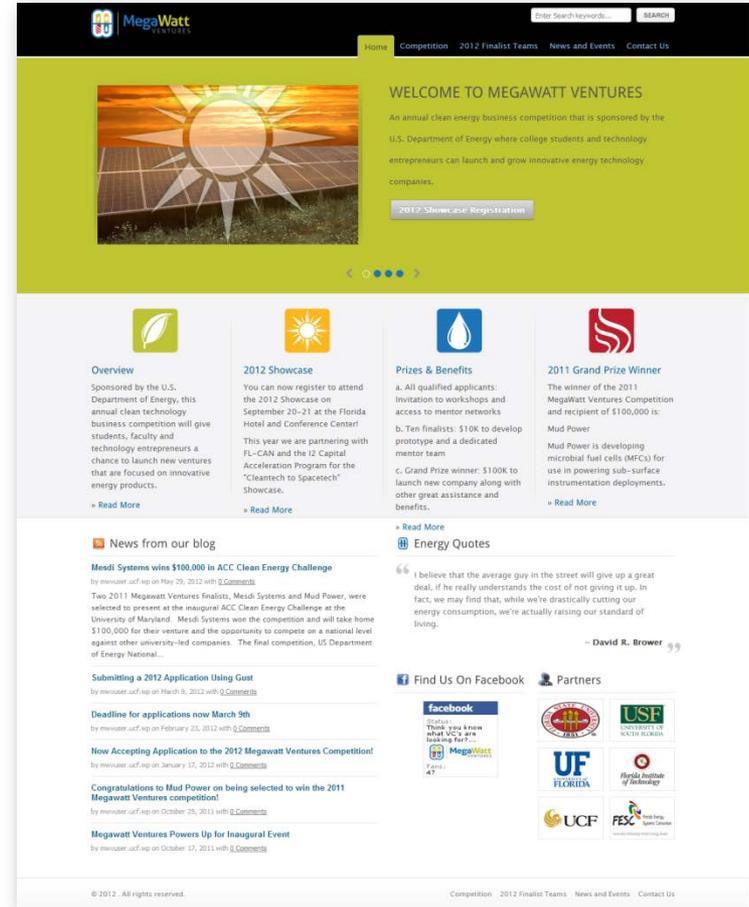
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THE SPACE COAST: HARD-WIRED FOR TECH



A Delta IV heavy is ready to launch a payload into orbit. The Delta and Atlas families of launch vehicles have a new perfect launch record. They've flown more than 600 missions from Florida.

Boeing's Phenom 100 turboprop aircraft is the first U.S. assembly plant on Florida's Space Coast.

A computer engineering technician prepares a microprocessor for installation.



Lighting Space Coast, Inc. is a leader in Satellite Backspace of the world's largest satellite manufacturers in satellite systems products.

Silicon chip manufacturing conducted in Palm Bay, FL. The FTZ is a 172,136 square foot facility, and more than 4,000 jobs and is among the largest foreign trade zones in the country.

USA astronaut Mike Fossum outside the International Space Station on Space Shuttle Atlantis flight STS-135.

Florida's Space Coast is one of the few regions in the world which can claim that, here, it really is rocket science. The Palm Bay-Melbourne-Titusville MSA — Florida's Space Coast — is the birthplace of space exploration and the home of Kennedy Space Center. We have the right stuff for business. Put us to the test. Take a closer look at Florida's Space Coast. We'll show you the numbers. We'll deliver the results.

See for yourself why Florida's Space Coast is America's High Tech Titan.

FLORIDA'S SPACE COAST — AMERICA'S HIGH TECH TITAN

In today's increasingly competitive global economy, the right environment can offer businesses a distinct advantage. However, nearly every community in the world seeking to attract business will say the same thing — "we offer a low-cost environment, quality infrastructure, and a great quality of life." A statement like this begs the question — can you back it up? Can these communities offer credible facts and figures and tangible results that truly demonstrate their competitive advantage for business? *Maybe. Maybe not.*

FLORIDA'S SPACE COAST — THE RIGHT STUFF						
#1	#1	#5	#7	#8	#11	TOP
Most concentrated high-tech economy in Florida.	Aerospace start-ups, statewide.	America's Top Cybercities.	Most concentrated high-tech economy in the U.S.	Top 100 U.S. Tech Centers.	America's Most Innovative Cities.	Locations to Watch.
Milken Institute, 2011	Business Expansion Journal, 2009	TechAmerica Foundation, 2010	Milken Institute, 2011	Business Journals, 2009	Forbes, 2010	Area Development, 2011

Economic Development Commission
of Florida's Space Coast
Corporate Collateral Campaign



LOOKING FOR A HIGH-TECH WORKFORCE?
FIND IT IN FLORIDA'S SPACE COAST

#1	#1	#3	#5	#8
Number of engineers per 1,000 workers. U.S. Bureau of Labor Statistics, 2010	Workforce, statewide. CNBC, 2010	Workforce with products tied to overseas. Brookings Institute, 2010	Most concentrated high-tech workforce in the U.S. TechAmerica Foundation, 2010	Top place for scientists and engineers to live and work in the U.S. Expansion Management, 2010

OUR SECRET WEAPON:
AN AMAZING WORKFORCE

Steps as bold as putting a man on the moon or developing a space transportation system known as the Space Shuttle require talent that's the best of the best. Through the years as America's space program expanded and high technology enhanced our lives, so, too, was the case with the Space Coast's workforce, often referred to as a "national treasure." To say the workforce is "highly skilled" is really an understatement. Intelligent, intensely precise, driven, determined, innovative, remarkable — these are just a few of the adjectives that describe the scientists, engineers, technicians, and administrators who understand and truly believe that failure is not an option.

While other locations spend millions trying to recruit top talent, the Space Coast already has it — and they're ready for their next mission.

FLORIDA'S SPACE COAST: AFFORDABLE. READY WORKFORCE



*All salaries generated from: Economics Research Institute, Inc. January 2011 Survey

AFFORDABLE WORKFORCE A location could have the most brilliantly skilled workforce in the world, but it won't do business any good if they're not affordable. As a right-to-work state, Florida holds an average high-tech wage that is lower than 62% of all 50 states with the Space Coast's wage structure generally lower than other population centers around the state. *The numbers speak for themselves.*



Economic Development Commission
of Florida's Space Coast
Corporate Collateral Campaign



FLORIDA'S SPACE COAST

#2 Best in the State for Educational Excellence
Florida Dept. of Education, 2009

TOP 4% Brevard Public Schools — Reading, Math, and Science
Florida Dept. of Education, 2011

TOP 6% Brevard Public Schools — U.S. schools on High School Challenge List
Washington Post, 2011

FLORIDA #5 Best Educational System in the U.S.
Education Week, 2011

FUTURE CAPACITY & SUSTAINABILITY

When a business chooses a site to locate or expand, it expects to stay for the long haul. The key to ensuring future success in any given location is sustainability. Will this location be able to meet the company's needs in 5, 20, or 50 years? Will there be a new generation of workers to fill future jobs? Have other industry leaders found success and remain committed to this location?

SPACE COAST EXCELLENCE IN EDUCATION ENSURES NEXT-GENERATION WORKFORCE

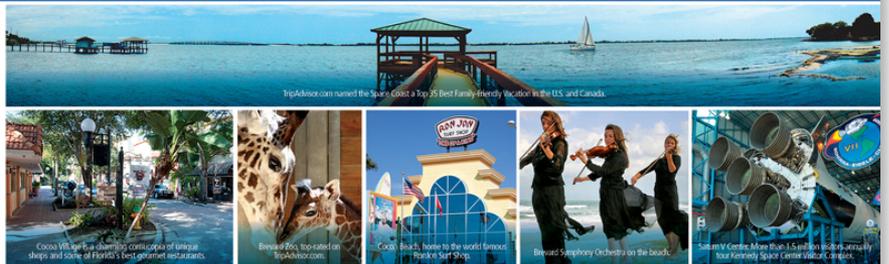
With space exploration as its roots, the Space Coast's high-tech and R&D capacity is unparalleled. The Space Coast is home to the renowned Florida Institute of Technology, whose extensive recognition includes being named a Tier 1 Best National University by *U.S. News & World Report* and one of the nation's top technological institutions in the *Fiske Guide to Colleges*.

Satellite campuses of Embry-Riddle Aeronautical University and the University of Central Florida, along with tech-oriented Brevard Community College and a wide spectrum of outstanding college, university, and technical training campuses, contribute to an evergreen, dynamic, highly qualified technical workforce.

Brevard Public Schools, an A-rated school district for seven consecutive years, provides superior instruction for the Space Coast's K-12 students. Brevard Public Schools holds a reputation as one of the top districts in the state of Florida and the United States, consistently ranking well above both the national and state of Florida averages when comparing SAT scores.



FLORIDA'S SPACE COAST: UNPARALLELED OPPORTUNITY



THE SPACE COAST: UNPARALLELED LOCATION

FLORIDA'S SPACE COAST #18 Best Bang-For-The-Buck Cities
Forbes, 2009

A KEY CONSIDERATION FOR BUSINESS LOCATION HAS TO BE "WILL RELOCATING EMPLOYEES BE HAPPY HERE?!"

Millions of tourists flock to Florida's Space Coast every year for a reason. But beyond the 300 days of sunshine, 72 miles of pristine Atlantic Ocean beaches, abundant arts and cultural amenities, historical attractions, year-round outdoor activities, and thriving nightlife, Space Coast residents experience an unparalleled lifestyle, state-of-the-art healthcare, and abundant, affordable housing options — all within a welcoming atmosphere.



Space Foundation
Education Programs





www.spacefoundation.org

THINK SPACE

To vigorously advance civil, commercial and national security space endeavors for a brighter future.

To passionately provide and support educational excellence through the excitement of space!

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National Space Symposium
The premier forum on space policy and space programs, the 19th National Space Symposium—Transforming the Future—will be presented in Colorado Springs. Mark your calendar for April 7-10, 2003. This annual event hosted by Space Foundation brings together industry decision makers and provides the leading opportunity for interaction and alliance.

Where Space Means Business™
Space Foundation conducts a symposium which brings together international businesses, governments, technology innovators, investors, buyers and consumers of space services, in cooperation with more than 25 international space agencies and organizations. It's called International Space Symposium. Mark your calendar for 10-13 September 2002 in Toulouse, France.

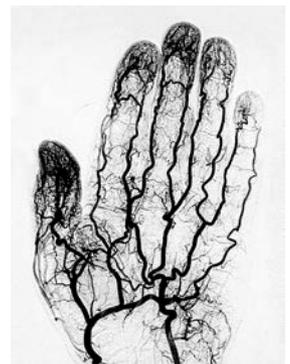
Launch Learning Excitement
Space Foundation provides graduate courses for educators, on-line learning options, custom courses and on-site seminars, as well as K-12 Space-In-the-Classroom™ conferences. 2002 Space Discovery™ graduate courses will be held in Colorado Springs on:

June 24-28, 2002 - Pikes Peak or Bust!
July 8-12, 2002 - Space Travel for Teachers
July 15-19, 2002 - It's a Wonderful Life
July 22-26, 2002 - Search for the Stars
August 5-9, 2002 - Robotics Made Easy

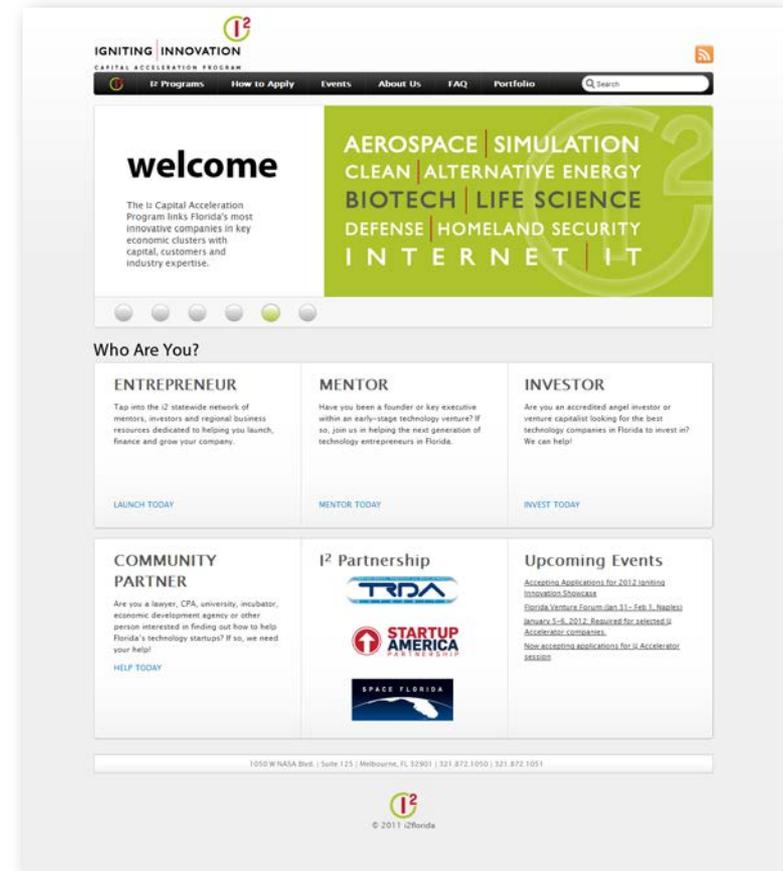


Space Foundation's
Strategic Space Symposium
Event Logo

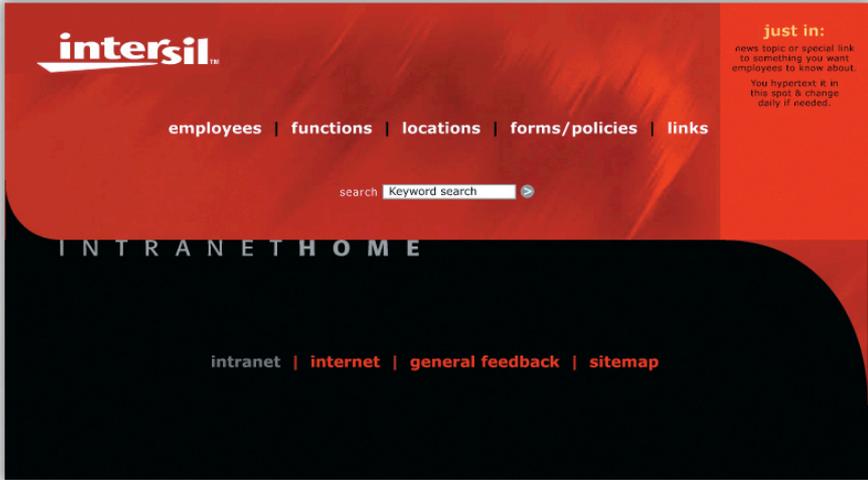




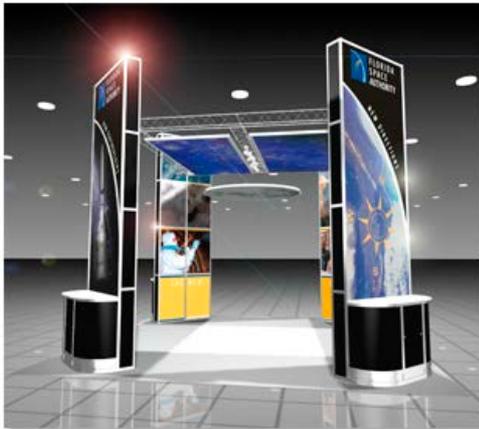
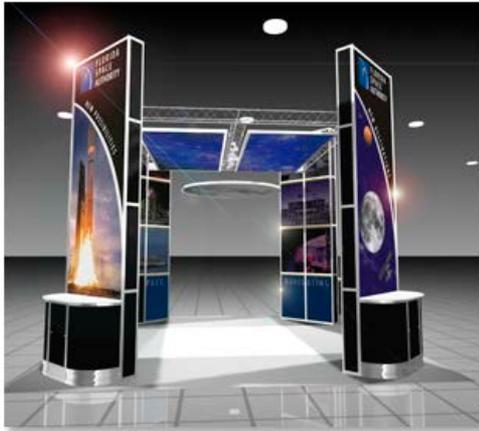
I² Igniting Innovation Brand & Website Development



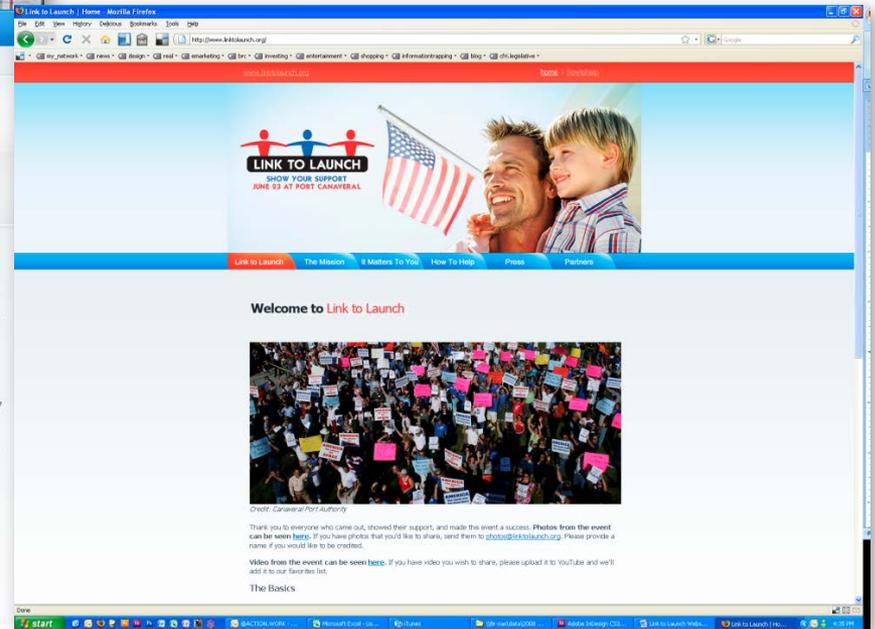
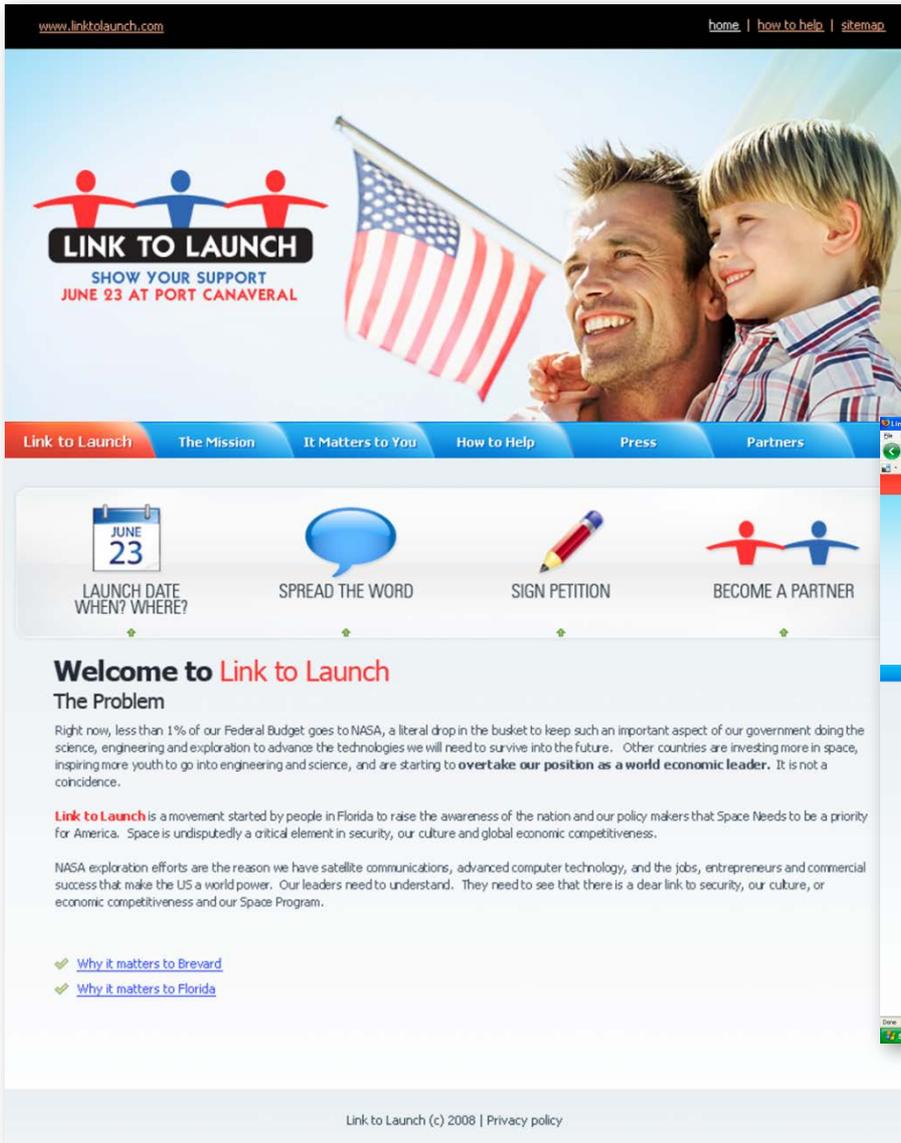
Newsletter & Intranet



Florida Space Authority
Small Tradeshow & Collateral



Link To Launch Grassroots Campaign Website



Successful BRAC Effort
Keeps NOTU on The Space Coast



WHY WE LOVE OUR MILITARY
ON THE SPACE COAST

Rescuing Our Warfighters
Learn More At www.SpaceCoastEDC.org/military



WE LOVE OUR MILITARY
ON THE SPACE COAST

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WHY WE LOVE OUR MILITARY
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Protecting Our Homeland
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ON THE SPACE COAST

NOTU Installation to Remain Open • Hard-Working Group Saves Post

VICTORY

On **August 25, 2006**, against all odds, the Naval Ordnance Test Unit was removed from the 2005 Base Realignment and Closure list. As a result, this vital military installation and more than 1,000 military and contractor jobs will stay in Brevard County.

Historically less than 30% of the original recommendations are removed or altered from the original list. Local efforts to preserve and enhance Brevard's military installations significantly impacted the Commission's final decision. **This is a tremendous victory.** The success was due in large part to the preparations and hard work by many dedicated community members.

The Economic Development Commission of Florida's Space Coast wants to say "Thank You" to the members of the Space Coast Defense Alliance, community leaders, congressional offices and all those who contributed to the effort to keep NOTU in Brevard.

This is a great victory. Together, we can make a difference for Brevard County.

CONTRIBUTORS WHO DESERVE PARTICULAR PRAISE INCLUDE:
Chairman Randy Smith, and the members of the Space Coast Defense Alliance
Governor Jeb Bush, U.S. Senator Bill Nelson, U.S. Senator Mel Martinez, Congressman Steve Womack and Congressman Tom Feeney
Paul Webb, President of National Government Affairs & Landmark Council

EXCERPT FROM A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF BREVARD COUNTY, FLORIDA, recognizing "the tireless effort, courage and persistence shown in the development of a program of work by the Economic Development Commission of Florida's Space Coast during the 18th and 19th sessions that led to the ultimate goal of preserving Brevard County's military installations and the nearly 1,000 jobs associated with the base economy." APPROVED October 19, 2006



SPACE COAST DEFENSE ALLIANCE

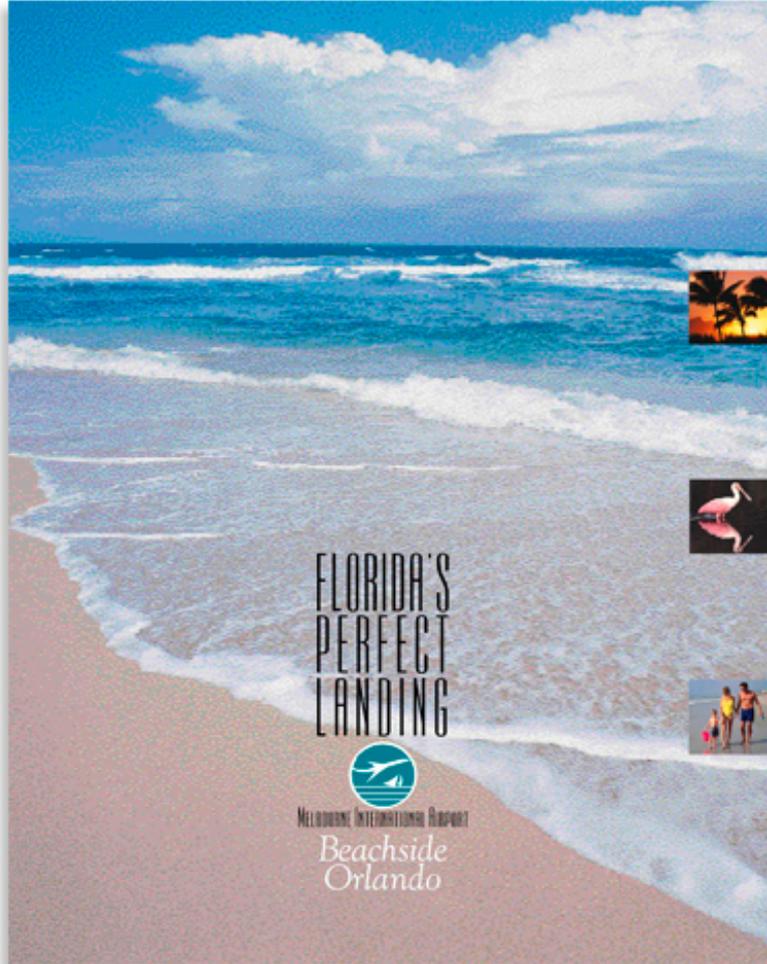
MILITARY COMMUNITY | COMMUNITY SUPPORT | SEPARATIVES | LINKS/RESOURCES

MISSION
The Committee will continue to work on State of Florida Defense & Infrastructure Goals and will look to address additional specific strategic and tactical goals that the EDC has identified as critical in supporting our defense industry.

ECONOMIC IMPACT OF OUR MILITARY SECTOR
The estimated local economic impact of PA&B and CCAF is approximately **\$1.29 Billion in 2005**.
The wing population of military members, military dependents, civilian employees and contractors is just over 15,500 (Source: Economic Impact Analysis PA&B CCAF's Fiscal Year 2005).
Click to view Economic Impact Details



Destination Marketing



Melbourne International Airport



WELCOME DELTA

Mark A.P. Drusch
V.P. Marketing Development

R. Michael Bell
Managing Director, Scheduling Development

Doug Blissit
Director of Market Analysis

FLORIDA'S PERFECT LANDING
Melbourne International Airport



Business Travelers



HARRIS CORPORATION



NORTHROP GRUMMAN

Based on two representative companies

Delta out of Melbourne has
exclusive control of

\$ **12.9** MILLION



Space Foundation's
National Space Symposium
Event Promotions

18TH NATIONAL SPACE SYMPOSIUM

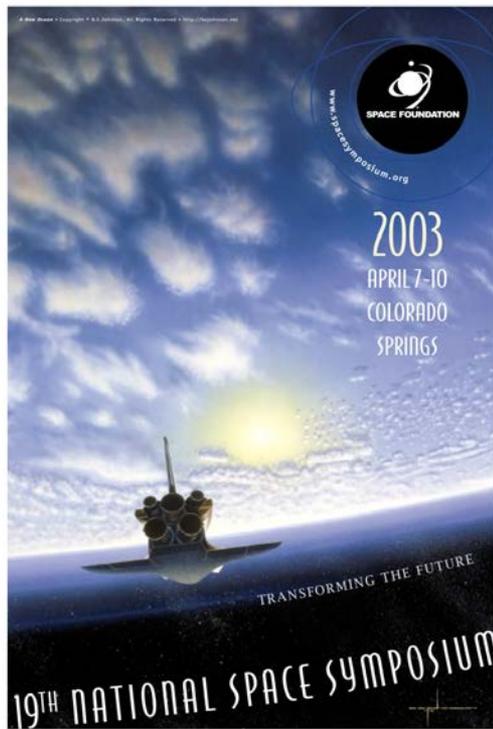


**APRIL 8 ~ 11
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THE BROADMOOR
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SPACE FOUNDATION

www.spacesymposium.org



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TRANSFORMING THE FUTURE

19TH NATIONAL SPACE SYMPOSIUM

SPACEVEST

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SPACEVEST

NATIONAL SPACE SYMPOSIUM



www.spacesymposium.org

April 9-12 > 2001

"radiant panorama" ©1995 Joy Bay
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The poster features a central image of a space shuttle launching from an open book. The shuttle is positioned as if it is taking off from the pages of the book, with a large plume of fire and smoke at its base. The background behind the shuttle is a dark purple and blue gradient, suggesting a night sky or space. The title 'SPACE IN THE CLASSROOM' is written in large, orange, stylized letters, arching over the shuttle. Above the title, the text 'National Educators' Conference' is written in a smaller, white font. The Space Foundation logo is in the top left corner. At the bottom, the text 'LAUNCH', 'February 28 - March 2 · 2002', 'LEARNING', 'Colorado Springs', and 'EXCITEMENT.' is displayed in various fonts and colors. The website 'www.spacefoundation.org' is at the bottom center. Logos for NASA, AASU, and the Space Foundation are in the bottom right corner.

SPACE FOUNDATION

National Educators' Conference

SPACE IN THE CLASSROOM

LAUNCH
February 28 - March 2 · 2002
LEARNING
Colorado Springs
EXCITEMENT.

www.spacefoundation.org

NASA AASU



Coalition for Space Exploration Collateral & Advertising Campaign



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