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California Space Authority
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TRANSFORMING SPACE 2006 CONFERENCE CELEBRATES CALIFORNIA SPACE ENTERPRISE

LOS ANGELES – The California Space Authority announces its "*Transforming Space 2006: Innovation, Entrepreneurship and Talent* conference. Co-chaired by Representatives Ken Calvert and Jane Harman, the conference will highlight California's significant contributions in the three sectors of space – civil, national security and commercial – as well as space-related education and workforce development. Transforming Space 2006 will be held in Los Angeles on November 29 through December 1 at The Westin Los Angeles Airport.

Confirmed keynote speakers include: Rep. Ken Calvert, Rep. Jane Harman, Rep. Buck McKeon; Lt. Gen. Michael A. Hamel, LAAFB/Space and Missile Systems Center; Rick Stephens, Boeing Space and Intelligence Systems; and Lt. Gen. Brian Arnold, USAF (Ret.), Raytheon; and James R. Hansen, Author.

Letters of support for Transforming Space 2006 come from United States Senator Dianne Feinstein; Congressman Ken Calvert; Congresswoman Jane Harman; Governor Arnold Schwarzenegger; Sunne Wright McPeak, Secretary, California Business, Transportation and Housing Agency; and Victoria Bradshaw, Secretary, California Labor & Workforce Development Agency.

Registration and a full agenda can be found at www.californiaspaceauthority.org. Session highlights include:

Space and Missile Systems Center: Transformation Epicenter
With a 50-year legacy of mission success and innovative development of critical U.S. space assets such as MILSATCOM, GPS and EELV, SMC leads numerous transformation-related initiatives for the U.S. Air Force. What is the current status of these key initiatives, what innovative technologies and processes are required and how do these translate to opportunities for the nation's space enterprise community?

Space Science: A Key to Transformation
Space science is key to the transformation of space. Advancements in space science enable new technologies, help to explore planets and other celestial bodies in the solar system, identify in situ resources on planets, test widely held physics theories, and provide answers as well as questions regarding the origins of the universe.

Noted scientists from world-class academic and non-profit organizations located in California, including Stanford University and the SETI Institute, will share their contributions to key recent and future space science advancements.

Transformational Space Technologies: Space Applications
Developing innovative technologies that can compete with current commercial products, services and processes for both governments and consumers is a key component of transforming space. Key local, state, and federal government officials as well as the entertainment industry will identify current technological challenges, which could be met through the use of space technology such as communications interoperability, transportation planning, and resource monitoring.

Transforming Space Enterprise
With the input of more than 300 stakeholders, the California Space Authority developed the first California Space Enterprise Strategic Plan in 1998. That plan identified five strategic initiatives and created a roadmap for space enterprise (industry, academia, government and workforce) within the state of California. In 2006, more than 200 stakeholders have gathered in meetings throughout the state to create the next strategic plan -- the California Space Enterprise Strategic Plan for 2007 through 2010 – which will be revealed for the first time in this panel discussion.

NASA Centers in California: Keys to Space Exploration
The Jet Propulsion Laboratory, NASA Ames Research Center, and NASA Dryden Flight Research Center continue to make significant contributions to the transformation of space, including the nation's space exploration activities. These activities cover a broad spectrum, including but not limited to nanotechnology, astrobiology, planetary research, and launch vehicle testing. Together, the centers award more than $4 billion annually in contracts. This panel will focus upon business opportunities at each center as well as each center's contributions to NASA's Vision for Space Exploration.

Accessing Space: NASA and DoD Transformations
NASA's space exploration mission requires retirement of the space shuttle by 2010. NASA is in the process of transforming the space launch component of civil space through its awarding of contracts for the Crew Exploration Vehicle (CEV), the Crew Launch Vehicle (CLV), and the Commercial Orbital Transportation System (COTS). The Department of Defense has identified its own requirements for new launch vehicles capable of launching a broad spectrum of payloads, from microsats to large communication satellites, and has recently launched the first Evolved Expendable Launch Vehicles (EELV's) from the West Coast at Vandenberg Air Force Base. This panel will focus upon the transportation needs of both agencies and the business opportunities they will provide.

21st Century Education and Workforce Development: Science & Technology Challenges

As the Baby Boomer generation becomes eligible to retire, there is a projected lack of engineers and scientists to replace them. Many nations, including China and Japan, are graduating several times the number of engineers that are graduating in the United States. What can be done to ensure the future space workforce will be available when needed to continue this nation's space exploration activities and to ensure access to space? This panel will focus on ongoing efforts and future plans to educate and train the space workforce of the future.

The Realities of Space Tourism

With the successful launches of SpaceShipOne and ongoing visits to zero gravity, space tourism has become a reality...or has it? Are we closer than ever to sending tourists to suborbit, orbit, the Moon, and beyond? Does space tourism remain an experience for only wealthy individuals such as Dennis Tito, Mark Shuttleworth and Gregory Olson. These questions and many more will be explored by a group of space entrepreneurs who will surprise you with their answers.

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