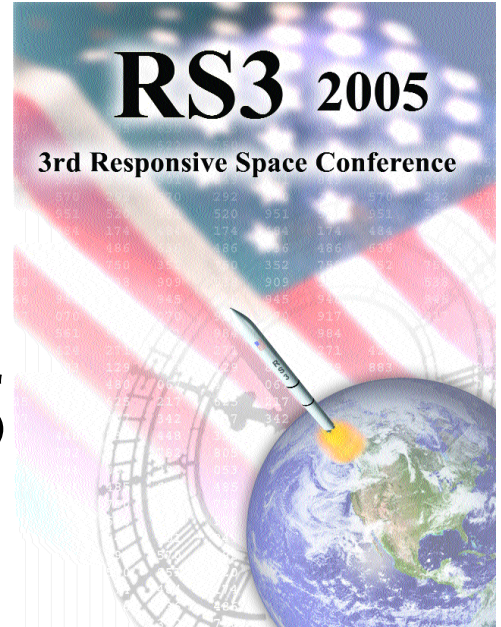


Call For Papers

3rd Responsive Space Conference—2005

Rapid Development, Launch,
Deployment, and Operations



RS3—IS RESPONSIVE SPACE REALLY GOING TO HAPPEN?

The first Responsive Space conference in April, 2003, set the stage for responsive space, asked where we are today, and how we can get to a vision that the community embraces and America needs—**data from space returned within hours of an identified need**. While there wasn't unanimity of opinion, there was a general consensus on several issues:

- The need for responsiveness has been brought home by unfolding events—9/11 and the war on terrorism, the war in Iraq, and the Columbia disaster
- We're not there yet, and, in some respects, have gone backward since the days of Apollo and the opening of the space program
- We must make progress if we are to respond to the challenges of today and prevent a recurrence of past events
- We must have not just responsive launch systems (although these are critical), but responsiveness in all components of the space mission

RS1 looked at all aspects of responsive space, but certainly the attention was focused largely on launch systems. We began with the premise that given responsive launch-on-demand, all else would follow. In RS2, we want to look at what that really means and ask, **How do we create truly**

Responsive Missions? What does it take to return data within hours and how will responsive missions differ from current missions?

To make technical progress, we must be able to fly experiments quickly and at low cost—and they must be sufficiently economical to be built to inventory, ready for launch when needed. We need to be able to launch student experiments while the experimenters are still students and before cadet experimenters have retired from active duty.

Please submit abstracts of no more than 500 words in PDF or MS Word by December 10, 2004, to:

abstracts@ResponsiveSpace.com

or directly on the conference website at:

www.ResponsiveSpace.com.

For questions, call Regina Jenkins or Susan Graven at 310-726-4100 x 126 (Fax: 310-726-4110). E-mail us at questions@ResponsiveSpace.com, or talk to any of the people listed as Points of Contact elsewhere on this flyer. Please note that it is the responsibility of each author to ensure that all ITAR regulations are met and that the necessary approvals for papers have been obtained and submitted to the conference administration.

***** ABSTRACT DEADLINE IS DECEMBER 10, 2004 *****

Come Join the Continuing Conversation

April 25–28, 2005, LAX Westin Hotel

Jim Wertz, Responsive Space Conference General Chair

RS3 POTENTIAL TOPICS

The Opportunities Provided by Responsive, Low-cost Space—Needs, Applications and Plans

- Military
- Commercial
- Scientific
- Educational
- Responsive Crewed and Passenger Flights

The Barriers and Lessons Learned—Why Isn't There Next Day Delivery to Space?

- Problem areas in responsive space
- Regulatory and operational issues
- Lessons learned from prior attempts at low cost, responsive space systems
- Suborbital rides and space tourism
- The role of the government and private industry
- What does it take to make responsive space a reality

Responsive Missions

- Responsive mission design
- Risk management vs. risk aversion
- Deploy on demand vs. on-orbit storage
- Enabling technologies for responsive missions
- Applications for the Joint Warfighter

Overcoming the Technology Barriers—Rapid Response and Low Cost

- Low cost space systems that can be built to inventory
- Payloads for responsive missions
- Low cost launch on demand
- Responsive launch, RLVs and ELVs
- Low-cost, responsive ground systems and operations
- Reconfigurable and maneuverable assets
- Plug and Play

Have We Made Progress?

RS3 will be held in conjunction with the NASA Town Meeting

April 28, 2005, also at the LAX Westin Hotel

(separate registration is required)

GENERAL INFORMATION

LOCATION:

Westin LAX
Los Angeles, CA

DATES:

April 25–28, 2005

CONFIRMED SPEAKERS:

Lieutenant General Brian Arnold
USAF Commander, Space and Missile Center
Major General (ret) Robert S. Dickman
Deputy UnderSecretary AF—Military Space
Major General Craig Cooning
Director, Air Force Space Acquisition
Brig. General Larry James
USAF Vice Commander, Space and Missile Center
Joe Sciabica
Associate Director, AFRL—Moderator
Major General Michael Hamel
14th Air Force
other key personnel still pending

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