

**You are invited to the August meeting of The Aerospace & Defense Forum,
a monthly informal group of senior professionals who share news, information, and analysis
concerning the commercial and defense aerospace industries.**

Friday, August 20, 2010

7:30 am – 9:00 am

Jeffer, Mangels, Butler & Marmaro, 1900 Avenue of the Stars, 7th Floor
Los Angeles, California

Space is limited and security-controlled. An RSVP is required to rosenberg@frontier-assoc.com or 818-505-9915.

“The View from JPL”

**Guest Speaker: Lt. Gen. Gene Tattini
Deputy Director, Jet Propulsion Laboratory**

Gene will discuss the process of adapting to NASA's new direction - for NASA, for established aerospace companies, and for emerging New Space enterprises.



Eugene L. "Gene" Tattini was appointed Deputy Director of the Jet Propulsion Laboratory in July 2001. At JPL he is the Laboratory's Chief Operating Officer responsible to the Director for the day-to-day management of JPL's resources and activities, this includes managing the Laboratory's solar system exploration, Mars, astronomy, physics, Earth science, and interplanetary network programs, and all business operations. These activities employ 5000 scientists, engineers, technicians, and business support personnel, and generate \$1.5 billion in annual revenues.

Prior to his retirement from the Air Force and his appointment as JPL Deputy Director, Lt. Gen. Tattini was commander, Space and Missile Systems Center (SMC), Los Angeles Air Force Base, California. He was responsible for managing the research, design, development, and acquisition of space launch, command and control, and satellite systems. The Center employed more than 3,200 people nationwide and had an annual total obligation authority in excess of \$5 billion.

His 36 year military career included twenty separate assignments ranging from Minuteman II missile combat crew member at Grand Forks Base, ND to an Air Staff Acquisition Policy Staff Officer in the Pentagon. His oversea assignments were in Wheelus Air Base, Tripoli, Libya and Kwang Ju Air Base, Korea. During his career he was the program manager for over \$700 million in structural and avoincs modifications to the B-52. He was a member of the development team that launched the first US anti-satellite weapon against a cooperating space target.

Parking in Century City Mall is suggested. Light refreshments will be provided starting at 7:15.

The presentation will be followed by open discussion and networking. Please forward this invitation to other senior people whom you think appropriate for the group.

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The purpose of **The Aerospace & Defense Forum** is to provide a venue to share news, information and analysis, and discuss events relevant to the aerospace, commercial space and defense industries, with an emphasis on California-based activities.

Members are senior **business service providers** and other professionals, **investors, government agencies, established businesses** and **entrepreneurs** active in and with a strong interest in the aerospace and defense industries.

Each meeting includes a speaker and equal time for group discussion on current events.

Discussion and presentation topics include:

- The established and emerging entrepreneurial space industry, e.g., New Space, SpaceX, Bigelow Aerospace, space tourism, satellites, space stations, microgravity research
- Civil space activities, e.g., NASA's proposed new strategy of purchasing services instead of vehicles
- Commercial and defense aeronautics, e.g., UAV's, commercial and defense aircraft.
- Defense space activities, e.g., the Air Force's robotic X-37B space plane for a possible on-orbit of up to 270 days
- Related topics, such as cybersecurity, space enabled applications in health care, IT, materials research, manufacturing, and biotech

If it lifts off the ground, it is an appropriate topic for the Forum.

What is the need for such a group? Why now?

Southern California has a rich aerospace history that started decades ago but a new chapter is currently being written. For example, space's equivalent of Silicon Valley is developing 90 minutes north of the San Fernando Valley at the Mojave Spaceport where flight research and manufacturing activities supporting private sector and government-funded projects are currently underway. This activity does not occur in isolation of the established aerospace community dotting the Southland.

Who are the potential buyers of services? How are related emerging space enabled businesses being financed? How can the U.S benefit from a robust commercial space industry? How does public policy affect this burgeoning industry?

Although New Space has not *yet* experienced the initial public offerings, acquisitions, and venture capital commitment that permeated the dot com world, it has the potential to change the world in the same way that the Internet did for accessibility to information and communication. Super Angels, the President of the United States, and some investment groups are now taking serious consideration at how fledgling commercial space enterprise can develop from the tadpole stage it's currently at and help it evolve to a robust industry.

One of the purposes of The Aerospace & Defense Forum is to provide a venue for those interested in this transition to share information and analysis.