

The Aerospace & Defense Forum

Facilitating Business Communication, Collaboration, & Commerce

Tour and Strategic Discussion at SpaceX

with

Steve Metayer

Vice-President for Supply Chain

Wednesday, March 11, 2015

7:00am Networking

7:30-10:00am Tour and Meetings

[Click here to register.](#)

Registration is limited to #1 or #2 operating executives of A&D companies or plants. Tickets are limited to 20 people on a first-come first-served basis.

Registration closes at 10pm on March 3.

Non-US citizens will need Permanent Resident and Passport numbers to register!

Registration Fees:

Free - A&D Forum member
(exclusive)

The South Bay (CA) Chapter

The South Bay Chapter serves the area around Torrance, CA. The SB chapter is different in that attendance is limited to the #1 or #2 operating executives of A&D companies or plants, i.e., organizations that have a direct role in production, e.g., engineering, fabrication, coating, and testing. To promote exchange, each meeting is limited to 20 attendees. Meetings and tours will be on the 2nd Wed of the month.

See below for an exciting year of planned events, and the names of the members of the Chapter Steering Committee who will guide chapter operations.

[Click here](#) to join the South Bay Chapter mailing list (free).

access to register until Feb 25)
\$35 - Non-member
(after February 25)

You will receive multiple invitations, regardless of whether you have already registered. Please do not register more than once!.

See meeting logistics information at the end of this e-mail.

Chapter Sponsors

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Scheduled South Bay Chapter Meetings

April 8: "**How to Avoid Being a Casualty of a Raw Materials Shortage**", Bill Leavelle, General Manager, Castle Metals Aerospace,

May 13: **Joel Benkie**, President and COO, Ducommun Corporation

June 10: Tour of **Edwards AFB**, including, Flight Test Museum, maintenance, flightline and planeside with F-22 and F-35

July 8: Presentation and Tour of **Dasco Engineering**, Ward Olson, President, Dasco Engineering



Tour and Strategic Discussion at SpaceX

with

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The event will include the following:

7:00-7:30am: Breakfast and Networking

7:30-7:45am: Welcome and Introductions

7:45-9:00am: Tour

9:00-10:00am: Strategic discussion with Steve Metayer

About [SpaceX](#)

SpaceX designs, manufactures and launches advanced rockets and spacecraft. The company was founded in 2002 to revolutionize space technology, with the ultimate goal of enabling people to live on other planets.

Its rockets include the Falcon 1 (since retired), the Falcon 9 (currently in use to launch satellites and deliver cargo to the International Space Station (ISS)), and the Falcon 9 Heavy (for beyond LEO missions). The Falcon 9 has been modified to provide for an automated return and landing for reuse of the first stage (currently under test).

SpaceX also manufactures the payload capsules, named the Dragon. It recently announced the development of the Crew Dragon capsule for manned access to space.

NASA has awarded SpaceX a Commercial Orbital Transportation Services (COTS) contract to provide services to resupply cargo to the ISS and a Commercial Crew Development (CCDev) contract to develop and demonstrate a human-rated Dragon as part of its program to transport

August 12: Presentation and Tour of **Triumph Aerostructures**, Hawthorne, CA, Marty Jones, President - Hawthorne Site, Vought Commercial Division, Triumph Aerostructures

September 9: Presentation and Tour of **Alloy Processing**, Brien Leibl, President & CEO, Alloy Processing

October 14: Presentation and Tour of **Brek Manufacturing**, Marwan Hammouri, President & CEO, Brek Manufacturing

November 11: Presentation and Tour of **Aerospace Manufacturing Group** - Torrance, Terry Yeh, President, AMG - Torrance

A&D Forum Membership

The purpose of The A&D Forum is to promote communication, collaboration, and commerce among A&D industry business leaders.

Membership includes access to the resource-rich A&D Forum website (containing recordings of all chapter presentations), free attendance at any chapter meeting, facilitated introductions to members at any chapter and the A&D Forum monthly Newsletter. Members are first in line for tours and to be invited to the Peer C-level Roundtables.

One-year individual memberships are currently \$300. You can become a member or renew your membership through the A&D Forum website:

AerospaceDefenseForum.org.

Other A&D Forum Chapter Meetings

"The Future of the U.S. Competitive Advantage in Commercial Space",

crew to the ISS.

About the Tour

We will see one of the most interesting manufacturing facilities in the world. SpaceX performs 80% of the needed manufacturing in-house at the Hawthorne facility, and thus a wide variety of manufacturing processes will be seen, from welding to composites. Engineering is also close to the manufacturing line to quickly handle problems.

The floors and the facility are so clean there is no wall between the 2-level cafeteria and the manufacturing floor. Mission Control is located on the manufacturing floor (with a level floor so employees can see everything). Note the expressions of the workforce - motivated like few those of few other companies. (all good topics for the discussion).

About the Strategic Discussion

SpaceX has long been known as a highly innovative culture with an intense focus on doing whatever could reduce the time to when humans are resident on Mars. At the same time its production rate is ramping up to meet an extensive manifest and to support the goal of low-cost (and therefore frequent) flight.

For many aerospace companies the challenge is the reverse. They are good at production, and are inquiring how to increase innovation to meet significant cost and production rate challenges.

Thus the discussion will (at least initially) address the twin questions of: "How to bring production principles to an innovation culture?", and "How to bring innovation to a production culture?".

Host



Steve Metayer is the VP Supply Chain for SpaceX, a position he has held since April 2014.

Prior to SpaceX Steve was General Manager, Actuation CoE for GE Aviation. In this role, he had operational responsibility for 7 global manufacturing sites.

Steve joined GE Aviation in 1996 as Six Sigma Black Belt in Lynn, MA. He has held several roles of increasing responsibility including Aviation Sourcing Leader for Asia, Plant Leader for Wilmington, NC. Quality Manager for GE Engine Services

Greg Autry, Assistant Professor, Marshall School of Business, USC, Orange County Chapter, March 5, 7:30-9:00am

"Incentives and Supports for Arizona Aerospace Companies", Stephane Frijia, Sr. Director, Research & Strategy, Greater Phoenix Economic Council, Arizona Chapter, March 10, 7:30-9:00am

"Recent Advances in Additive Manufacturing for Aerospace", Steve Kidd, CEO & Founder, Cimtech Inc., Los Angeles Chapter, March 20, 7:30-9:00am (webstreamed)

"Cross-Border Opportunities in Mexican Aerospace", Panel, San Diego Chapter, March 24, 5:00-7:00pm

**Recently Posted
Presentation Recordings on the
A&D Forum Website**

"Incentives and Supports for California A&D Companies", JoAnne Golden-Stewart, LAEDC, and John Anderson, CMTC, South Bay Chapter, January 14

"New Guidance on Doing Business With the DoD", Stan Rosen, Professor, Defense Acquisition University & Vice-Chairman, National Space Society, Los Angeles Chapter, January 16

"Identifying & Pursuing Revenue Opportunities in Cybersecurity", Panel, San Diego Chapter, January 29, 2015

Supply Chain Fulfillment Leader and managing the CSX service business for GE Transportation.

Steve was born in Scituate, RI. He attended the University of Rhode Island and graduated with a B.S. degree in mechanical engineering. Steve received his MBA degree from Boston University. He became a certified Six Sigma Black Belt in 1997 and a certified Master Black Belt in 1999.

March 11, 2015 Meeting

- There is no restriction re: citizenship.
- SpaceX is a Department of Defense secured facility. You **MUST** bring a valid government-issued form of identification (such as a Driver's License, Passport, etc.) in order to enter the facility.
- **Non-US Citizens:** All Permanent Residents of the United States **MUST** bring their valid Green Card (copies are not accepted). All non-US citizens must email (contact Ivan at IRosenberg@AerospaceDefenseForum.org for the e-mail address) a copy of their valid Passport before March 4 and must present their actual Passport (no copies) for entry and to join the tour and meeting.
- Attire is business casual. Since we will be walking, wear comfortable clothes and closed-toe comfortable shoes.
- Please arrange to arrive no later than 7:15am (and earlier is preferable) to allow sufficient time for processing. The meeting will start on time at 7:30am, followed quickly by leaving on the tour.
- Please park in the lot directly across the street from the SpaceX building and park in one of the first 10 marked visitor spots. In the event that all of the visitor spots are full, please ask a security guard for assistance.
- When crossing the street from the parking lot, please wait for the walk signal before trying to cross. A green light without a walk signal will not allow you enough time to cross the street before the light changes.
- Photography is not permitted inside the manufacturing facility. There will be a group photo.
- Please do not bring luggage, backpacks, bags, large purses, etc.
- No cameras, video, sketching or note taking is allowed on the tour. No phone use, emailing, texting, twittering, etc. on the tour. Do not photograph the badges.
- On arrival, go to the main lobby entrance (right under the SpaceX sign) and check in with the receptionist.
- There will be a basket in the meeting room in which to place your business card. These will be copied and e-mailed to all who attended.
- A light continental breakfast and networking will be

available starting at 7:00AM.

- There will not be any ability to share marketing literature.
- Introductions will be minimal - your name, company, industry, and a 5 word "elevator speech". We encourage you to be creative!

Feel free to pass this invitation on to others you think would be interested.

Event Info

Wednesday, March 11, 2015

7:00am-7:30am: Networking & Breakfast

7:30am-10:00am: Tour and Meetings

**SpaceX
1 Rocket Road
Hawthorne CA 90250
(310) 363-6001**

South Bay Chapter Steering Committee

- **Marwan Hammouri**, President & CEO, Brek Manufacturing (Chapter Chair)
- **Terry Yeh**, President, AMG Torrance (Chapter Vice-Chair)
- **Brian Leibl**, President & CEO, Alloy Processing
- **Marty Jones**, President - Hawthorne Site, Triumph Aerostructures
- **Ward Olson**, President, Dasco Engineering Corporation
- **John Anderson**, Director, California Manufacturing Technology Consulting
- **Ivan Rosenberg**, Executive Director & Co-Founder, The A&D Forum

**The Executive Steering Committee
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**A&D Forum Executive Director
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818-505-9915**

The Aerospace & Defense Forum Website

AerospaceDefenseForum.org