Eighth Annual AIAA Southern California Aerospace Systems and Technology Conference & Awards Banquet

Thanks to our Sponsors!

Saturday, May 21, 2011

Doubletree Club Hotel, Orange County Airport
7 Hutton Centre Drive
Santa Ana, CA 92707

REGISTER ASAP

Register Online - ASAT Conference and/or Banquet
https://info.aiaa.org/Regions/Western/Orange_County/

Or please contact Susan Goldstein at susang@aiaa.org with your name, organization, registration type (member/non) and if you are attending the banquet.

CONFERENCE KEYNOTE SPEAKERS

MR. RAMON CORONEL
Northrop Grumman Corp
"The James Webb Telescope"

DR. PAUL BEVILAQUA
Lockheed Martin Corp
AIAA Wright Brothers Distinguished Lecture
"Inventing the Joint Strike Fighter"

BANQUET KEYNOTE SPEAKER

DR. ROBERT LIEBECK
The Boeing Company
Winner of the 2010 Guggenheim Medal
"Blended Wing Body Aircraft"

SCHEDULE	
7:30 - 8:30 AM	Check-in and continental breakfast
8:30 - 9:30 AM	Keynote Speaker
9:30 - 12:00 PM	3 breakout sessions
12:00 -1:30 PM	Luncheon
1:30 - 2:30 PM	Keynote Speaker
2:30 - 5.30 PM	3 breakout sessions
5:30 - 6:30 PM	Awards Banquet Check-in
6:30 - 9:00 PM	Banquet / Banquet Speaker

Conference Registration
(Incl. breakfast, lunch, & conference CD)
Student: $10.00
AIAA Member: $45.00
Non-Member: $50.00*

Evening Awards Banquet
Student: $10.00
AIAA Member: $35.00
Non-member: $40.00*

Please Register Today!

** Free admission to both events for non members with paid AIAA membership application.*

Morning Sessions (Tentative)

	Space I	Aerodynamics	History
9:30	*Multiobjective Optimization of Multiple-Impulse Transfer between Two Coplanar Orbits using Genetic Algorithm* – Abbas Kafaee Razavi et al	*Evaluation of Fluidic Thrust Vectoring as Hardware in the Loop for Longitudinal Trim and Control* – Alireza Razavi et al	*Aerodynamic and Artistic Study of the German Jets* – J Phillip Barnes
10:00	*Spaceship Discovery - NTR Vehicle Architecture for Human Exploration of the Solar System* – Mark G Benton, Sr	*Tip Shrouding Experimentation towards Silencing the Open Rotor Engine* – Jose M Rodriguez et al	*Jet Tab Thrust Vector Control Systems, a Historic Overview* – John R Ellison
10:30	*Solar Power Satellites, Space Elevator, and Reusable Launch* – Dr James A Martin	*How Flies the Albatross – The Mechanics of Dynamic Soaring* – J Phillip Barnes	*The Antelope Valley - Area 51 Connection – The US Anti-Gravity Technology Program, Part 1* – TL Keller
11:00	*Crew Exploration Lander for Ganymede, Callisto, and Earth's Moon - Vehicle System Design* – Mark G Benton, Sr	*Multi-body Wind Turbine Model* – Peter M. Thompson	*The Antelope Valley - Area 51 Connection – The US Anti-Gravity Technology Program, Part 2* – TL Keller
11:30	*Student Launch Initiative AIAA OC Section – Koepke et al*		

Evening Session (Tentative)

	Space II	Simulation	Systems
2:30	*Crew and Cargo Landers for Human Exploration of Mars - Vehicle System Design* – Mark G Benton, Sr	*Airship Structural Analysis* – Lin Liao	*Crossover Frequency for the Characterization of the Behavior of Pilot-Vehicle Systems* – Daniel Alvarez
3:00	*In-Orbit Test of A Satellite Communication Payload* – Albert Lin et al	*Computational Investigation of Two-Dimensional Ejector Performance* – Dr. Richard Margason and Dr Paul Bevilaqua	*UCI DBF Report (National University Flight Competition)* – Kamil Samaan et al
3:30	*Conceptual Design of Crew Exploration Lander for Asteroid Ceres and Saturn Moons Rhea & Iapetus* – Mark G Benton, Sr	*Composite Delamination and Failure Simulation using Finite Element Analysis* – Tony Spagnuolo	*Snap, Crackle, and Pop* – Peter M. Thompson
4:00	*Simplifying Software in Space Systems* - Dr. Christopher Landauer	*GVT Testing and Analysis Methods for a Fighter Type Wing* – Jeffrey Bui et al	*Robotic CEM™ (Cloud Enhanced Microvehicle) Technology as applied to swarms of micro sea-craft to enhance existing land, sea and space based surveillance assets* – Dr Robert M L Baker, Jr and Tom Hanan