

# Aerospace Defense & Marine

LONG BEACH, CA • SEPT 1-2



## Day One: Tuesday 1<sup>st</sup> September 2009

07:30 Registration, Continental Breakfast & Partner Exhibition — Salon A, B and C

Welcome, Keynote & Introduction — Salon D, E, & F

09:00	David Vaughn	Conference Welcome	CD-adapco
09:10	John Melton	Engineering Simulation and the Orion Launch Abort Vehicle	NASA Ames Research Center
09:50	Milovan Peric	Recent Advances in Simulation for Marine Applications	CD-adapco

10:30 Coffee Break Salon — A, B and C — Sponsored By 

Round Table — Anticipating Technology Challenges in Next Generation Programs — Salon D, E, & F — Moderator: Bill Clark - CD-adapco

10:50 John Melton - NASA Ames Research Center, Glenn Gebert - Lockheed Martin Missiles and Fire Control, Paul Vasilecu - American Dynamics Flight Systems, Dan Vyselaar - STX Canada Marine Inc., Milovan Peric - CD-adapco

12:30 Lunch & Partner Exhibition — Salon A, B and C — Sponsored By 

Parallel Session A: Salon E - Aerospace 1	(:25 minutes each)	Parallel Session B: Salon F - Marine 1	(:25 minutes each)
13:50 Deryl Snyder Lockheed Martin Missiles and Fire Control		13:50 Scott Morton Mercury Marine	
Missile External Aerodynamics Validation Study		Validated Planing-Hull CFD Simulations at Mercury Marine	
14:15 Paul Vasilescu American Dynamics Flight Systems		14:15 Minyee Jiang NSWC Carderock	
Automated Computational Modeling of Aerospace Systems		STAR-CCM+ DFBI in Naval applications	
14:40 Joseph Kummer Propulsive Wing, LLC		14:40 Dan Vyselaar STX	
AeroHarmony: The Development of Cross-Flow Fan Propulsion		Development of an Ice Breaking Patrol Ship: A Look at Hull Form Design and Heli-deck Aerodynamics.	
15:05 John Carter Naval Air Warfare Center		15:05 Bill Burns, Dan Spuckler Mship, CD-adapco	
Missile Configuration Test Cases		2-DOF CFD Analysis of the M Ship 1:6 Scale M38 Hull	

12:30 15:30 Coffee Break — Salon A, B and C — Sponsored By  & 

Parallel Session A: Salon E - Aerospace 2	Round Table — Hardware Round Table — Salon F		
16:00 Alan Mueller CD-adapco	Advances in Stress Simulation	16:00 Moderator: Steve Feldman CD-adapco and Partners	
and Fluid-Structure Interaction (FSI)		Hardware & System Software Trends Driving Simulation	
16:35 Tricia Sur, Parthiv Shah ATA Engineering		for Aerospace/Defense/Marine Engineering	
Overview of ATA Engineering's Recent Unsteady CFD			
Simulations for Aerospace Applications			
17:00 James Clement CD-adapco			
HL-20 Aerodynamics at Hypersonic Speeds			

Technical Briefing

17:25 CD-adapco

18:00-19:00 Cocktail Reception & Partner Exhibits — Salon A, B and C - Sponsored By 