

Conference Itinerary

Thursday, April 1, 2010

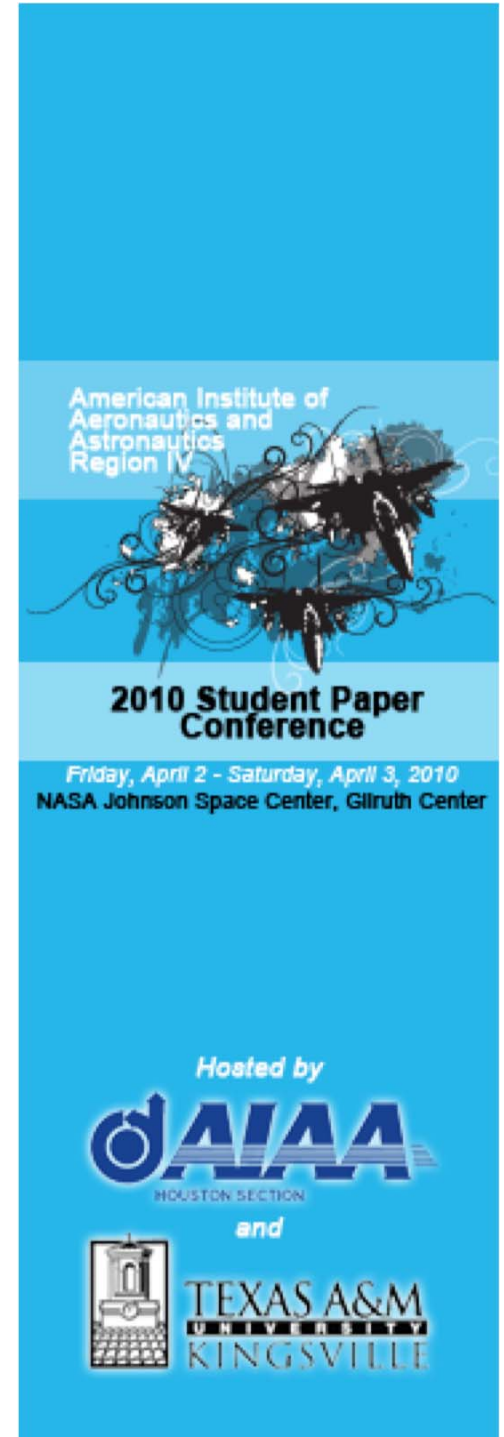
3:00pm	Arrive at Super 8 Motel
5:30pm – 8:00pm	Conference Registration and Pizza at Super 8 Motel

Friday, April 2, 2010

7:00am – 7:30am	Continental Breakfast at Super 8 Motel
7:45am – 8:30am	Check-in and On-site registration at NASA JSC Gilruth Center
8:30am – 9:00am	Welcome and Speaker Briefing
9:00am – 12:00pm	Technical Sessions
12:00pm – 1:30pm	Luncheon/Young Professional Panel at Alamo Ballroom
1:30pm – 5:00pm	Technical Sessions
5:00pm – 9:00pm	Awards Dinner and Guest Speaker at Alamo Ballroom

Saturday, April 3, 2010

7:30am – 8:30am	Continental Breakfast/Check-out of Super 8 Motel (before 11:00am)
9:00am onwards	Complimentary Space Center Houston and NASA Tours



Presentation Schedule

Each track will be allotted 35 minutes:

- 20 minutes for presentation
- 10 minutes for question and answers
- 5 minutes to transition to the next presentation

Tracks in the **Coronado Room** (Room 204)

Track	Start Time	Title
1	9:05am	A PIV Investigation on the Effect of Freestream Turbulence Intensity on the Jet Structure of a Double Row Film Cooling Geometry
2	9:40am	Effect of Dimple Depth on Heat Transfer Enhancement in a Rectangular Channel (AR = 3:1) with Hemispherical Dimples
3	10:15am	Terrain Differentiation and Thermal Analysis for an Autonomous Lunar Robot
4	10:50am	One Mile One Pound Rocket
5	11:25am	Transonic Rocket
6	1:35pm	Reverse Engineering of AT-11 Gun Turret
7	2:10pm	Radiation Particle Flux Variations: Ulysses and ACE/CRIS Data
8	2:45pm	Radiation Particle Detection and Assessment for Biological Applications
9	3:20pm	Space Radiation Environment and Space Travel
10	3:55pm	TBD

Tracks in the **Longhorn Room** (Room 206)

Track	Start Time	Title
1	9:05am	Gravity Independent Laundry System (GILS)
2	9:40am	Mechanical Battery
3	10:15am	Effect of Source on Urine Stability
4	10:50am	Green Medium Range Commercial Air Transport Design
5	11:25am	Space Weather Proton Effects on Imaging Detectors in Low Earth Orbit
6	1:35pm	High Performance Computing Implementation and Evaluation on a Structural Risk Assessment Code
7	2:10pm	Allocation of Testing Resources in Statistical Simulations Using Particle Swarm Optimization
8	2:45pm	DORRA the Europa Explorer: An Orbital and In-Situ Investigation of Habitability
9	3:20pm	Experimental and Numerical Study on Flow Control Using Obliquely Aligned Roughness Elements
10	3:55pm	Optimization of High Elongation Elastomer Composites

Tracks in the **Lone Star Room** (Room 216)

Track	Start Time	Title
1	9:05am	Re-visiting Un-manned Missions for Manned Space Exploration & Technology Development
2	9:40am	International Launch Vehicle Selection for Interplanetary Travel
3	10:15am	Advances in Bounding Techniques for Aircraft Structures
4	10:50am	Method for Estimating Sensitivities of the Probability-of-Failure with Respect to Profitability of Detection Curve Parameters
5	11:25am	A Method for Selective Deposition of Solid Propellant for Microthrusters
6	1:35pm	Small Satellite Formations via Higher Velocity Deployment
7	2:10pm	Low Cost Cyclone Micro-Particle Separator – CFD Analysis of Effect of Inlet Velocity on Pressure Drop and Comparison with Empirical Models
8	2:45pm	Failure Stress Analysis of Fiber Reinforced Composite Laminates
9	3:20pm	Monte Carlo Simulations of Altering Yarkovsky Effect via Deposition of Albedo Changing Powders on the Near-Earth Asteroid Apophis
10	3:55pm	Reduced Linear Equations of Motion for Optimal Multi-Spacecraft Exosolar Planet Imaging