

SPACE TECHNOLOGY AND APPLICATIONS INTERNATIONAL FORUM (STAIF-2006) Schedule

<u>SUNDAY, February 12, 2006</u>						
4:30-7:30 p.m.		Registration Hours: 4:30 p.m.–7:30 p.m. , Garden Room				
<u>MONDAY, February 13, 2006</u>						
Registration Hours: 7:00 a.m.–5:30 p.m. Exhibit Hours: 9:00 a.m.–12:30 p.m., 1:30–5:00 p.m. (Southwest Ballroom)						
7:00-7:45 a.m.		SPEAKERS' BREAKFAST , Rio Grande Room			8:00 – 8:30 a.m. SPACE DESIGN COMPETITION and SECONDARY SCHOOL SPECIAL SESSION REGISTRATION Promenade East 8:30 a.m. – 12:30 pm SPACE DESIGN COMPETITION Promenade West 10:20 a.m. – 12:15 pm SECONDARY SCHOOL SPECIAL SESSION Rio Grande Room	
8:00-8:45 a.m.		WELCOMING AND OPENING REMARKS New Mexico Ballroom				
8:45-10:15 a.m.		PLENARY SESSION I: Embarking on the New Age of Exploration Together New Mexico Ballroom				
10:15-10:45 a.m.		Coffee Break – Southwest Ballroom				
10:45 a.m.- 12:30 p.m.		PLENARY SESSION II: From Romance to Pragmatism for Exploration New Mexico Ballroom <i>Space Design Competition Awards Ceremony to immediately follow Plenary Session II</i>				
12:30-1:45 p.m.		Brown Bag Lunch – <u>Nuclear Power and Exploration: The New Needs</u> – Rio Grande Room				
PERIOD/ ROOM	Parlor A/B	Parlor E/F	Parlor G/H	NM Ballroom South	NM Ballroom North	Rio Grande Room
1:45-3:45 p.m.		[A01] Flight Experiences with Two-Phase Loops on Operational Spacecraft	[D01] Human & Robotic Technology Opening Session	[C01] Prometheus Space Reactor Design Overview	[E01] Space Colonization - Opening Session I	[F01] Potential Frontiers - I
3:45—4:00 p.m.	Coffee Break – Southwest Ballroom					
4:00-6:00 p.m.	[C02] Thermionic Technology and Application	[A02] High Capacity Heat Rejection Systems	[D02] Human & Robotic Technology Advanced Propulsion an Protection	[C03] Reactor Systems Concepts for Surface Power	[E02] Space Colonization - Opening Session II	[F02] Experimental Results and New Concepts within Current Physical Models - I
6:30 – 8:30 p.m.	JOINT STEERING AND EXECUTIVE COMMITTEE MEETING – Garden Room					

A = 10th Conference on Thermophysics Applications in Microgravity
 C = 23rd Symposium on Space Nuclear Power and Propulsion
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D = 4th Conference on Human/Robotic Technology and the National Vision for Space Exploration
 F = 3rd Symposium on New Frontiers & Future Concepts

SPACE TECHNOLOGY AND APPLICATIONS INTERNATIONAL FORUM (STAIF-2006) Schedule

TUESDAY, FEBRUARY 14, 2006

Registration Hours: 7:00 a.m.–7:00 p.m. Exhibit Hours: 9:00–12:30 p.m., 1:30–5:00 p.m., 6:30–7:30 p.m. (Southwest Ballroom)

7:00-7:45 a.m.	Speakers' Breakfast Rio Grande Room					
PERIOD/ ROOM	Parlor A/B	Parlor E/F	Parlor G/H	NM Ballroom South	NM Ballroom North	Rio Grande Room
8:00-10:00 a.m.	[C04] Thermophotovoltaic Power Conversion Technology	[A03] Thermal Control Technologies for Future Spacecraft	[D03] Human & Robotic Technology Advanced Power and Thermal	[C05] Prometheus Space Reactor Plant Characteristics	[C06] Special Session on Mars Exploration	Not Available
10:00-10:30 am	Coffee Break – Southwest Ballroom					
10:30 a.m.-12:30 p.m.	[C07] Electric Propulsion Systems/Concepts	[C08] Advanced Nuclear Concepts and Technologies	[D04] Cross-Cutting Modular Design Technologies, And Their Application To A Near-Term Solar Electric Transport Spacecraft – I	[C09] Refractory Metal System Design, Manufacturing, Fabrication, and Joining Techniques	[C10] Space Nuclear Reactor Power Systems and Concepts	[F03] Theoretical Considerations – Warp Drives, FTL Speed Travel & Others
12:30-1:45 p.m.	Lunch Break – <u>Attendees are on their own for lunch.</u> Hotel will set up food kiosks. Technical Committee Meetings – Please see page 17 of the program book for committee room assignments.					
1:45-3:45 p.m.	[E03] Space Tourism/Adventures	[A04] Variable Emittance Coatings and Applications	[D05] Human & Robotic Technology Novel Concepts	[C11] Nuclear Thermal Rockets: Past, Present, and Future – I	[C12] Dynamic Power I – 100 We Class	[F04] Advanced Technologies for Terrestrial (Earth, Lunar & Mars) Based Propulsion and Power Concepts – I
3:45-4:00 p.m.	Coffee Break – Southwest Ballroom					
4:00-6:00 p.m.	[C13] Thermoelectric Power Conversion Technology and Applications – I	[A05] Two-Phase Thermal Control Systems	[D06] Human & Robotic Technology: The Human System	[C14] Nuclear Thermal Rockets: Past, Present, and Future II	[C15] Reactor Systems Concepts for Surface Power – II	[F05] Experimental Results and New Concepts within Current Physical Models – II
7:00-7:30 p.m.	No-Host Cocktail Reception – Promenade and Southwest Ballroom					
7:30-9:30 p.m.	STAIF-2006 Awards Banquet – New Mexico Ballroom					

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WEDNESDAY, FEBRUARY 15, 2006

Registration Hours: 7:00 a.m.–4:30 p.m. Exhibitor Hours: 9:00 a.m. – 12:30 p.m., 1:30 – 4:30 p.m. (Southwest Ballroom)

7:00-7:45 a.m.	Speakers' Breakfast Rio Grande Room					
PERIOD/ ROOM	Parlor A/B	Parlor E/F	Parlor G/H	NM Ballroom South	NM Ballroom North	Rio Grande Room
8:00-10:00 a.m.	[E04] Space Exploration	[A06] Thermal Control for Deep Space Missions	[C16] Standard/Advanced RPS Concepts and Applications	[C17] Nuclear Thermal Rocket Technology and Integration	[C18] Non-Nuclear Testing in Support of Space Reactor Development	Not Available
10:00-10:30 a.m.	Coffee Break – Southwest Ballroom					
10:30-12:30 p.m.	[C19] High Power Electric Propulsion Systems	[C20] Missions Using Nuclear Power / Propulsion	[D07] Human & Robotic Technology Advanced Operations & in Situ Resource Utilization	[C21] Integration and Utilization of Surface Fission Energy Sources	[C22] Thermal Energy Transport and Heat Rejection Technology	[F06] Experimental Results and New Concepts within Current Physical Models - III
12:30-1:45 p.m.	Lunch Break– <u>Attendees are on their own for lunch.</u> Hotel will set up food kiosks.					
1:45-3:45 p.m.	[E05] Space Bases on the Moon	[C23] Space Reactor Shield Design Methods and Technologies	[D08] Human & Robotic Technology Advanced Materials, Structures and Mechanisms	[C24] Prometheus Space Reactor Materials	[C25] Space Nuclear Power Systems: Simulation and Modeling	[C26] Dynamic Power II - 100 kWe Class
3:45-4:00 p.m.	Coffee Break – Southwest Ballroom					
4:00-6:00 p.m.	[E06] Space Resource Utilization on Mars	[C27] Mission/Systems Safety and Reliability	[D09] Cross-Cutting Modular Design Technologies, And Their Application to A Near-Term Solar Electric Transport Spacecraft - II	[C28] Nuclear Thermal Rockets: Past, Present, and Future III	[C29] Thermoelectric Power Conversion Technology and Applications - II	[F07] Advanced Technologies for Terrestrial (Earth, Lunar & Mars) Based Propulsion and Power Concepts – II
6:30-8:30 p.m.	EXECUTIVE PROGRAM COMMITTEE MEETING – Parlor C/D					

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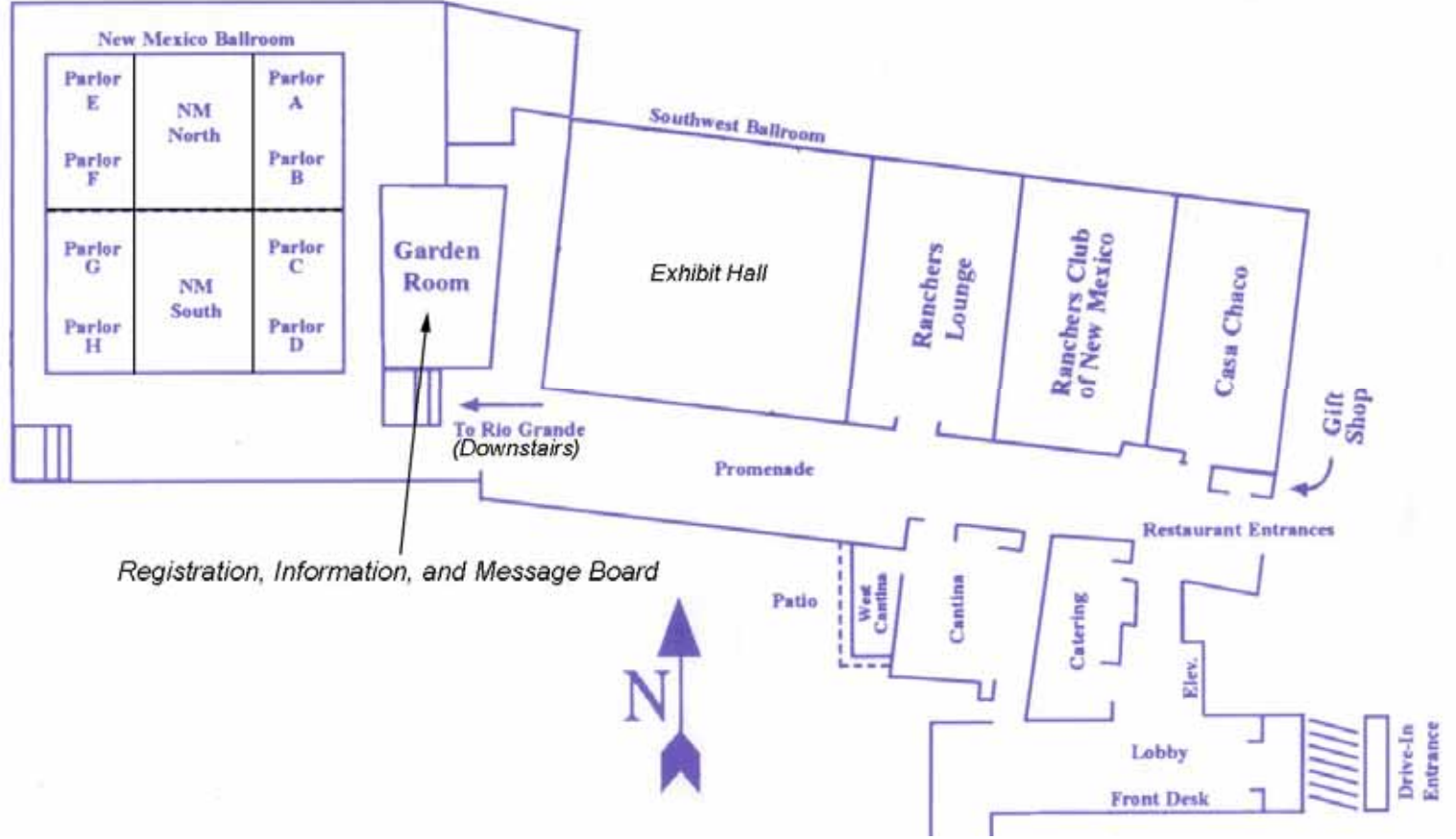
THURSDAY, FEBRUARY 16, 2006

Registration Hours: 7:30–10:30 a.m.

7:00-7:45 a.m.	Speakers' Breakfast Rio Grande Room					
PERIOD/ ROOM	Parlor A/B	Parlor E/F	Parlor G/H	NM Ballroom South	NM Ballroom North	Texas/Nevada (SW Ballroom)
8:00-10:00 a.m.	[E07] Space Resource Utilization on the Moon	[A07] Heat Pipe Technologies	[D10] Human & Robotic Technology Advanced Avionics and Software	[C30] Human Lunar and Mars Mission Power and Propulsion Requirements	[C31] Radioisotope Power Systems Technology and Development	[C32] Space Reactors Testing Lessons Learned
10:00-10:30 a.m.	Coffee Break – Promenade West					
10:30-12:30 p.m.	[E08] Space Settlements/Colonies	[A08] Advances in Spray Cooling Technology	[C33] Materials and Concepts for Space Power Systems	[C34] Nuclear Thermal Rockets: Past, Present, and Future IV	[C35] Radioisotope Power System Technology and Missions	[F08] Potential Frontiers - II

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Room Layout