

SPACE TECHNOLOGY AND APPLICATIONS INTERNATIONAL FORUM (STAIF-2008) SCHEDULE

SUNDAY, February 10, 2008

4:30-7:30 p.m.

Registration Hours: 4:30 pm – 7:30 pm, Fireplace Room

MONDAY, February 11, 2008

Registration Hours: 7:00 am – 12:00 pm, 1:00 pm – 4:30 pm (Fireplace Room)

Exhibit Hours: 8:30 am – 12:00 pm, 2:00 pm – 7:00 pm (North/East Atrium and Alvarado E)

7:00-7:45 am

SPEAKERS' BREAKFAST, Franciscan Room

8:00 – 8:30 am

REGISTRATION - SPACE DESIGN COMPETITION and SECONDARY SCHOOL SPECIAL SESSION

8:00-8:20 am

WELCOMING AND OPENING REMARKS
Alvarado Ballroom A, B, C, and D

North/East Atrium

8:25-10:00 am

PLENARY SESSION I: Why Space Exploration?
Alvarado Ballroom A, B, C, and D

8:30 am – 12:30 pm

SPACE DESIGN COMPETITION DISPLAYS

10:00 – 10:30 am

Coffee Break – East/North Atrium and Alvarado E

North/East Atrium

10:00 am – 12:00 pm

SECONDARY SCHOOL SPECIAL SESSION

Alvarado G/H

10:30 am-12:00 pm

PLENARY SESSION II: Making Exploration Affordable
Alvarado Ballroom A, B, C, and D

12:00 pm-12:20pm

SPACE DESIGN COMPETITION AWARDS CEREMONY
(Immediately following Plenary Session II)
Alvarado Ballroom A, B, C, and D

12:30-1:45 pm

Lunch Break- Attendees are on their own for lunch
Schreiber-Spence Award Committee Meeting- Weavers Room

PERIOD/ ROOM

Potters Room

Turquoise Room

Weavers Room

Alvarado F

Alvarado G/H

Franciscan Room

1:45-3:45 pm

[A01] Round Table
Discussion on Current
Issues in Thermal
Technology Development
for Spacecraft

[B08] Opportunities and
Challenges in ISRU

[E01] Space Colonization
- Opening Session I

[D01] Exploration
Technology Opening
Session

[F01] Opening Session

[CT01] Space Nuclear
Symposium Opening
Session - I

3:45—4:00 pm

Coffee Break – East/North Atrium and Alvarado E

4:00-6:00 pm

[A02] Thermal Control
Technologies - I

[B01] Lunar Resource
Utilization - I

[E02] Space Colonization
- Opening Session II

[D02] Lunar and Mars
Exploration Architecture
Studies

[F03] Other Concepts
and Theories - I

[CT02] Space Nuclear
Symposium Opening
Session - II

6:00 – 7:00 pm

STAIF-08 Reception - North/East Atrium and Alvarado E

7:00 – 8:30 pm

STAIF Steering & Executive Committees Meeting- Alvarado A

7:00 – 9:30 pm

Free Admission and Tour to The National Atomic Museum Courtesy of NASA Marshall Space Flight Center

A = 12th Conference on Thermophysics Applications in Microgravity

B = 1st Symposium on Space Resource Utilization

C = 25th Symposium on Space Nuclear Power and Propulsion

D = 6th Conference on Human/Robotic Technology and the Vision for Space Exploration

E = 6th Symposium on Space Colonization

F = 5th Symposium on New Frontiers & Future Concepts

SPACE TECHNOLOGY AND APPLICATIONS INTERNATIONAL FORUM (STAIF-2008) SCHEDULE

TUESDAY, FEBRUARY 12, 2008

Registration Hours: 7:30 am–11:30 am, 1:00 pm–4:30 pm (Fireplace Room)

Exhibit Hours: 8:30 am–12:00 pm, 2:00–5:00 pm, 6:00–7:00 pm (North/East Atrium and Alvarado E)

7:00-7:45 am	Speakers' Breakfast – Franciscan Room				
PERIOD/ ROOM	Potters Room	Turquoise Room	Weavers Room	Alvarado F	Alvarado G/H
8:00-10:00 am	[E03] Space Exploration: Strategies	[A03] Thermal Control Technologies - II	[F02] Taming the Solar System	[D03] Technologies for Orion and Ares	[CT03] Space Nuclear Symposium Opening Session - III
10:00-10:15 am	Coffee Break – East/North Atrium and Alvarado E				
10:15 am-12:15 pm	[E08] Lunar Dust: Fundamentals and Simulations	[B02] Lunar Resource Utilization - II	[CT106] Non-Nuclear Testing - I	[D09] International Partnerships for Exploration Technology Development	[CT406] Thermal Energy Transport and Heat Rejection
12:15-1:30 pm	Lunch Break – <u>Attendees are on their own for lunch.</u> Hotel will set up food kiosks.				
1:30-3:30 pm	[CT103] Fission Surface Power System Components - II	[A04] High Capacity Heat Rejection Systems	[F06] High-Frequency Gravitational Wave	[D04] Technologies for the Lunar Lander	[CT110] Space Radiation and Environmental Effects
3:30-3:45 pm	Coffee Break – East/North Atrium and Alvarado E				
3:45-5:45 pm	[D10] Novel Concepts	[B04] Lunar Soils and Simulants	[F07] Experimental Results and New Concepts	[CT203] Non-nuclear Testing - II	[CT104] Integration and Utilization of Surface Fission Energy Sources
6:15-6:45 pm	No-Host Cocktail Reception – North/East Atrium and Alvarado E				
6:45-9:00 pm	STAIF-2008 Awards Banquet – Alvarado Ballroom A, B, C, and D				

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F = 5th Symposium on New Frontiers & Future Concepts

SPACE TECHNOLOGY AND APPLICATIONS INTERNATIONAL FORUM (STAIF-2008) SCHEDULE

WEDNESDAY, FEBRUARY 13, 2008

Registration Hours: 7:30 am–11:30 am, 1:00 pm–4:30 pm (Fireplace Room)

Exhibit Hours: 8:30 am–12:00 pm, 2:00 pm–4:30 pm (North/East Atrium and Alvarado E)

7:00-7:45 am	Speakers' Breakfast – Franciscan Room					
PERIOD/ ROOM	<u>Potters Room</u>	<u>Turquoise Room</u>	<u>Alvarado A</u>	<u>Alvarado B/C</u>	<u>Alvarado D</u>	<u>Alvarado F</u>
8:00-10:00 am	[E05] Space Bases on Mars: How and Why?	[A05] Advances in Spray Cooling	[F04] Other Concepts and Theories - II	[CT105] Near-Term Radioisotope Power Systems	[CT102] Fission Surface Power System Components - I	[D05] Technologies for the Lunar Outpost
10:00-10:15 am	Coffee Break – East/North Atrium and Alvarado E					
10:15 am-12:15 pm	[D08] Technology Demonstrations and Analogs	[B03] Thermal Challenges in ISRU Reactors	[F09] Future Propulsion Models and Concepts	[CT202] Nuclear Thermal Rockets: Past, Present, and Future	[CT403] Dynamic Power: Multi-kilowatt - II	[CT404] Thermoelectric Power Conversion - I
12:15-1:30 pm	Lunch Break – <u>Attendees are on their own for lunch.</u> Hotel will set up food kiosks Technical Committee Meetings – Please see page 20 of the program book for committee room assignments.					
1:30 – 3:30 pm	[E04] Space Bases on the Moon: Concepts and Challenges	[A06] Advanced Heat Pipe Technologies	[F05] Other Concepts and Theories - III	[CT107] Space Nuclear Power Systems: Simulation and Modeling	[CT401] Dynamic Power: 100 W Class	[D06] Technologies for Lunar Surface Operations
3:30-3:45 pm	Coffee Break – East/North Atrium and Alvarado E					
3:45-5:45 pm	[E09] Lunar Dust: Testing and Mitigation	[B06] ISRU Precursors, Outpost, and Beyond	[E07] Observatories and Domed Ecosystems	[CT108] Safety and Reliability	[CT402] Dynamic Power: Multi-kilowatt - I	[CT405] Thermoelectric Power Conversion - II
6:00 – 8:00 pm	Special Plenary – 25th Anniversary of Symposium on Space Nuclear Power and Propulsion – Alvarado D					
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SPACE TECHNOLOGY AND APPLICATIONS INTERNATIONAL FORUM (STAIF-2008) SCHEDULE

THURSDAY, FEBRUARY 14, 2008

Registration Hours: 7:30 am–10:30 am (Fireplace Room)

7:00-7:45 am	Speakers' Breakfast – Franciscan Room					
PERIOD/ ROOM	Potters Room	Turquoise Room	Alvarado A	Alvarado B/C	Alvarado D	Alvarado F
8:00-10:00 am	[B05] Excavation	[A07] Smart Materials	[F08] Theoretical Considerations	[CT109] Power Requirements for Lunar and Mars Missions	[CT301] Fuel and Materials	[CT407] Radioisotope Power Systems Technology
10:00-10:15 am	Coffee Break – East/North Atrium					
10:15 am-12:15 pm		[B07] Analog Test Site Experience	[F10] An International Outlook on Far Term Propulsion and Power	[CT101] Space Nuclear Fission Power Systems & Concepts	[D07] Technologies for Lunar Surface Power Systems	[CT201] Advanced Concepts and Technologies
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