

**Make Your Plans to Join us
On March 25-28, 2007**

At

Space Exploration 2007

**The Second International Conference and Exposition on Science, Engineering and Habitation in
Space and the Second Biennial Space Elevator Workshop
Albuquerque, New Mexico, USA**

Presented by

The Space Engineering and Science Institute

Cosponsored by the Aerospace Division of the American Society of Civil Engineers

Program Highlights and Schedule

As of February 8, 2007

**Sunday Evening public talk by Albuquerque Astronomy Society on “Backyard Astronomy”
(2 or more lecturers)**

Keynote Talks (Alphabetical by Presenter)

“Lunar Base Concepts”

A historical review with an engineering perspective on design and construction, and suggestions of what may evolve as NASA builds the first bases.

Haym Benaroya, Professor of Mechanical and Aerospace Engineering at Rutgers University, and Director of the Center for Structures in Extreme Environments.

“The Challenge of Returning to the Moon”

Following President Bush’s 2004 challenge to return astronauts to the moon as a stepping stone to Mars, NASA created an architecture that linked near term missions to the International Space Station, a next-decade return to the lunar surface, and an eventual human mission to Mars.

John Connolly joined NASA in 1987. He currently leads the engineering design of NASA’s next human lunar lander. As a member of the Constellation Program Office at JSC, he is part of the NASA team that is defining future systems that will return crews to the moon and transport them to Mars and beyond.

“The Space Elevator: Problems, Progress, and Plans”

This presentation will focus on the progress to date on Space Elevator development efforts and Brad’s view on major problems and future directions.

Brad Edwards is an astrophysicist who worked at the Los Alamos National Lab and later at ISR (The Institute for Scientific Research). He is currently engaged in Space Elevator entrepreneurial activities and has authored two books on The Space Elevator.

“Earthrise and More”

Alan Hale will discuss Earthrise as well as other projects which currently share his interests. Simply stated, the Earthwise Project uses astronomy, space, and other related endeavors as a tool for breaking down international and intercultural barriers and for bringing humanity together.

Alan is an astronomer with a rich background in space exploration and education. Of course he is well known for the discovery of the Comet Hale-Bopp.

“The Space Elevator: Conceptual Design”

An overview of the conceptual design that is currently being pursued by a majority of the space elevator community will be presented. Also, a perspective will be given on what space elevators will mean to human civilization.

Bryan Laubscher is an astrophysicist who has worked at the Los Alamos National Lab for a number of years. He has shared some entrepreneurial pursuits and worked closely with Brad Edwards on space elevator technology development.

Media Activities Directing Public Interest Toward Space.”

This talk will be on new media and media directions and how best to use and capitalize on these available cutting edge tools to effectively promote space development and specific space projects.

Dr. David Livingston is the host of the The Space Show®, the nation’s only talk radio show focusing on increasing space commerce, developing space tourism, and facilitating our becoming space-faring. Dr. Livingston also works as a business consultant, financial advisor, strategic planner, and major space advocate.

“Space Elevator Games”

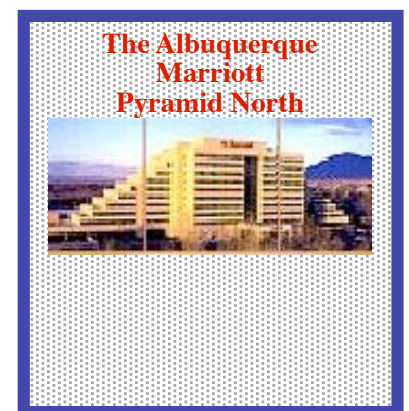
This presentation will discuss the brief history of space related competitions and prizes. Ben will share his experience in competing and winning the NASA solicitation for the Space Elevator games. A synopsis of the latest Space Elevator Games will also be presented.

Ben Shelef is an aerospace engineer and is director of marketing at S2-Engineering in Mountain View, CA. As a space advocate Ben is a member of the Spaceward Foundation Team.

Return to the Moon – Lunar Surface Facilities and Architectures” (Tentative)

This talk will focus on NASA’s Constellation Program and its most recent concepts for lunar facilities.

Larry Toups is an aerospace engineer and has worked for NASA JSC for a number of years. He currently works for the Constellation Advanced Projects Office. Larry participated in the engineering for the Space Station as well as many projects related to development of lunar and planetary surface facilities.



Conference at the Marriott Pyramid Hotel
Call (800) 262-2043 and mention SEC 2007 or register online at www.marriott.com enter our group code which is: **spespea**
\$70.00 per single room (1 king bed) \$90.00 per double room (2 double beds) if reserved before February 28, 2007

Panel Discussions/Audience Participation

Concepts of NASA Interaction with the Private Sector (Moderator: Phil Richter)

Representatives of NASA and the private sector will discuss views of working together for developing effective missions.

Settlements that Endure: Economic Sustainability and Evolutionary Economics (Moderator: Kevin Greene)

A discussion on "economic sustainability" and what it means - and how this policy goal can transform many aspects of Lunar development, from organization and financing of the development process, down to the details of settlement layout and design."

Shotgun Science (Moderator: Bryan Laubscher)

This "panel discussion" is planned to be a rapid succession of very short (5 minutes) presentations by conference participants. The idea is to discuss a topic, concept, observation or position that is not ready to be a paper. Each speaker gets to present up to 2 viewgraphs and answer one question. After this session, audience members can discuss their ideas, interest and receive feedback over lunch.

Global Space Elevator Road Map Workshop (Three hours Moderated by Bryan Laubscher)

A roadmap for development prepared by the space elevator community at large would be of significant benefit in providing technical direction. As in other brainstorming efforts all ideas will be considered and evaluated and everyone may contribute to provide a useful product.

College Robotic Space Elevator Jr Competition

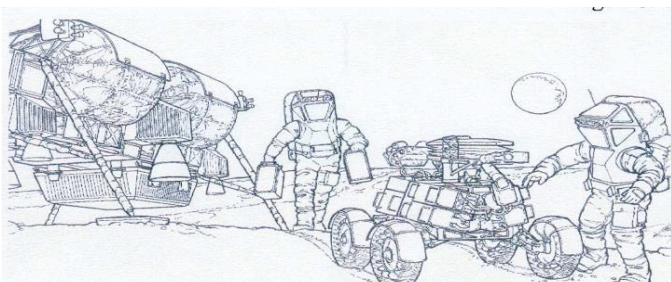
Watch the Teams'
Climbers Ascend in the
hotel atrium.
For more information
See
www.sesinstitute.org
and
<http://spacelf8r.blogspot.com/>



Conference Registration Fees

Regular	\$350
Presenters	\$275
Steering Committee	\$275
Retirees	\$225
One day *	\$175
Students *	\$ 50
*Does not include Proceedings or Banquet	
Extra Banquet Ticket	\$ 50
Student Banquet Ticket	\$ 25

2007
SPACE
EXPLORATION



For More Information Check our
Website:

www.sesinstitute.org
or Call

Philip J Richter at (505) 670-5296

Email: filipi@aol.com

SPACE EXPLORATION 2007 PROGRAM

SUNDAY--March 25

6:30-9:00 p.m. Public Talk (Albuquerque Astronomy Society)

MONDAY--March 26

8:15-8:30 Announcements & Opening Remarks
8:30-9:20 Earthrise and More (Alan Hale) K1
9:20-10:10 Space Elevator: The Conceptual Design (Bryan Laubscher) K2
10:10-10:30 Coffee Break
10:30-11:20 Lunar Bases and Facilities (Haym Benaroya) K3
11:20-12:30 Lunch and Observe Robotics Competition
12:30-1:20 Media Activities Directing Public Interest Toward Space (David Livingston) K4
1:20-3:20 Paper Session A (6-papers)
3:20-3:40 Coffee Break
3:40-6:00 Paper Session B (7 papers)
6:45-8:30 Conference Reception and Mixer

TUESDAY--March 27

8:15-8:30 Announcements & Opening Remarks
8:30-9:20 The Challenge of Returning to the Moon (John Connolly) K5
9:20-10:10 Return to the Moon – Lunar Surface Facilities and Architectures (Larry Toups) K6 (Tentative)
10:10-10:30 Coffee Break
10:30-11:30 Interaction Between NASA and the Public Sector (Moderator: Phil Richter) P1
11:30-12:30 Lunch and Observe Robotics Competition
12:30-1:40 Settlements that Endure: Economic Sustainability and Evolutionary Economics (Moderator: Kevin Greene) P2
1:40-3:00 Paper Session C (3-papers)
3:00-3:20 Coffee Break
3:20-6:20 Paper Session D (9 papers)
7:15-9:45 Banquet

WEDNESDAY--March 28

8:15-8:30 Announcements & Opening Remarks
8:30-9:20 Space Elevator: Progress, Problems and Perspective (Brad Edwards) K7
9:20-10:20 The Space Elevator Games (Ben Shelef) K8
10:20-10:40 Coffee Break
10:40-11:40 Shotgun Science Session (Moderator: Bryan Laubscher) P3
11:40-12:30 Lunch
12:30-1:50 Space Elevator Global Roadmap Workshop (Moderator: Bryan Laubscher) P4
1:50-2:10 Coffee Break
2:10-3:30 Space Elevator Roadmap (Bryan Laubscher). P4 cont
3:30-4:00 Conference Wrap-up