



Space Vision 2006

MMAE ▪ P.O Box 162450 ▪ Orlando, FL 32816-2450 ▪ Phone: 561-212-9135 ▪ Todd Romberger: rstones8@yahoo.com

SEDS National Conference 2006- UCF Proposal

Title: SpaceVision 2006

Location: University of Central Florida, Orlando, Florida

Chapters Contributing to Planning/ Development: University of Central Florida, University of Florida, Embry-Riddle Aeronautical University, Florida Institute of Technology

Preferred Dates: Thursday, November 9 – Sunday, November 12, 2006

Synopsis:

The reason for having the third annual SEDS-USA conference is to connect SEDS chapters across the nation. Attendees are able to meet fellow members from other schools and make connections with those who share the same interest. It is also an opportunity for attendees to hear from various speakers who comprise a variety of fields that might interest the attendees. It is a chance for members to learn and further broaden their knowledge. This conference is an important update from the last one and is to ensure the goals set at the last conference were met. New goals are to be set at this conference to ensure the productivity of SEDS-USA.

Anyone interested in the present and future development of space should attend this conference along with SEDS members from all participating universities. The conference will be open to everyone.

Potential Sponsors/Co-sponsors:

UCF Mechanical, Materials, and Aerospace Engineering Department, NASA Kennedy Space Center, Lockheed-Martin, Boeing, United Space Alliance, Siemens-Westinghouse, Harris Corporation, Dr. Philip's Science Center. We mention these companies knowing one or more of our members have direct contact to one of their representatives.

Estimated Number of Attendees: 250

SEDS-UCF is capable of hosting 1000 people.

Why UCF:

The University of Central Florida is located on the east side of Orlando and is 20 minutes from the Orlando International Airport and Sanford International Airport. Both airports have all major car rental companies that are reasonably priced. We will provide our own van service to all attendees. There are 13 hotels located within three miles of the UCF campus. UCF has its own on-campus bus service that will take you to any UCF location. The weather in November is warm and sunny with a monthly average high of 79°F, and it makes a great escape from the cold experienced in the north.



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UCF has hosted many conferences in the past and is well accommodated and suited for the SEDS-USA conference like IEEE. The Student Union has several large conference rooms along with a large ballroom if needed. UCF has three engineering buildings with more than enough available rooms to be used for the conference. All campus buildings are located close together so it only takes 10 minutes to walk from one side to the other. The campus is easy to navigate and the buildings are easily identified in case there are speakers located in buildings other than the Student Union and the Engineering buildings.

There are several restaurants located on campus including: Chick-Fil-A, Subway, Wendy's, Baja Burrito Kitchen, Al's Famous Hotdogs, Joffrey's Coffee & Tea Company, Sbarro, Steak Escape, Sweet Retreat, Wackadoo's, and the Marketplace. There are also many off-campus restaurants within three miles of the campus and those include Uno's, Chipotle, Olive Garden, Don Pablos, Perkins, Denny's, Bennigan's, Chili's, and Panera Bread to name a few. UCF also contains its own Catering Department.

UCF also has many local area attractions located within an hour of Orlando. Walt Disney World, Universal Studios and Islands of Adventure, Sea World, and NASA Kennedy Space Center are just a few of the major attractions in the area.

UCF has many things to offer if the SEDS-USA Conference is held here for 2006. The UCF SEDS chapter is growing with each semester as SEDS members promote the group and recruit future members. UCF is a very strong chapter with over 50 members. UCF SEDS is involved with many projects on both the school level and the national level and has therefore established a large network of contacts with professionals in the engineering and space fields.

SpaceVision 2006 Tentative Schedule

Thursday, November 9, 2006

| | |
|------------------------|--|
| 11:00 a.m. - 5:00 p.m. | Tour of Kennedy Space Center (Optional) |
| 6:00 p.m. - 7:30 p.m. | Registration |
| 8:00 p.m. - ----- | Dinner/Social (Wackadoo's Bar & Grill) |



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Friday, November 10, 2006

| | | |
|---------------------|--------------------------------|------------------------|
| 7:00 am - 8:00 am | Continental Breakfast | |
| 8:30a.m. - 9:30a.m. | Speaker | Speaker |
| 9:30am-10:30am | SEDS Executive Board Elections | |
| 10:30am-11:30am | SEDS Workshop | SEDS Planning Workshop |
| 11:30am-12:30pm | Lunch | |
| 12:30pm - 1:30pm | Speaker | Speaker |
| 1:30pm - 4:30pm | Job Fair | |
| 4:30pm-6:00pm | SEDS General Body Meeting | |
| 7:00pm - ----- | Observatory Social Event | |

Saturday, November 11, 2006

| | | |
|---------------------|--|------------------------|
| 9:00 am - 10:00 am | Breakfast Buffet | |
| 10:00 am - 11:00 am | Speaker | Speaker |
| 11:00 am - 12:00 pm | Speaker | Speaker |
| 12:00pm - 1:00pm | SEDS Workshop | SEDS Planning Workshop |
| 1:00 pm - 2:00 pm | Lunch | |
| 2:00 pm - 5:00 pm | Poster Session/Student Research Displays | |
| 7:00 pm - 9:00 pm | Dinner Banquet/ Keynote Speaker | |

Sunday, November 12, 2006

| | | |
|---------------------|-----------------------------------|---------|
| 8:30 am - 9:00 am | Breakfast Buffet | |
| 9:00 am - 10:00 am | SEDS General Body Closing Meeting | |
| 11:00 am - 12:00 pm | Speaker | Speaker |
| 12:00 pm - 1:00 pm | Luncheon Speaker | |
| 1:00 pm - 3:00 pm | Speaker / Closing Meeting | |

Potential Speakers/Topics

| Speakers | Association |
|----------------------|---|
| Robert Zubrin | Mars Society |
| Michael Lane | LiftPort |
| Tom Nugent | LiftPort |
| Loretta Hidalgo | Yuri's Night/Space Gen |
| Elon Musk | Space X |
| Robert Bigelow | Bigelow Aerospace |
| Peter Diamandis | SEDS, Zero-G, ISU, X-Prize, Rocket Racing |
| Bob Richards | SEDS, ISU |
| Bruce Melnick | Astronaut, Vice President of Boeing at KSC |
| Dr. John Brandenburg | Mars, MET Thruster(Microwave Electro-thermal Thruster) |
| Dan Lacey | Florida Space Shuttle Operations, Boeing |
| Tim Bailey | Zero-G, Space Gen |
| Bruce McKensie | Mars Homestead, 4 Frontiers |
| Joe Palaia | Mars Homestead, 4 Frontiers |
| George Whiteside | National Space Society (NSS) |
| Alan Ladwig | Northrop Grumman |
| | Crew Exploration Vehicle (CEV) |
| | Moon Colonization/ Stop point for Mars mission |
| | Search for Extraterrestrial Intelligence (SETI) |
| | Representative from European Space Agency (ESA) to speak about the agency's different views of and goals for future space exploration |
| | Japanese Aerospace Exploration Agency (JAXA) |
| | Planetary Society |
| | International Astronautical Federation |
| | Federal Space Agency (FSA) |
| | Extrasolar Planet Hunting |
| Jeff Foust | "The Space Review" writer |
| Jim Muncy | PoliSpace |

Speakers

The dynamic speakers will present inspirational and motivational presentations about new and up to date topics in the space exploration industry. The goal of the speakers will be to present new opportunities for students to get involved in their field of interest and leave them intrigued. The dynamic background of the speakers will ensure that all students can relate to one or more of the presenters.

Workshops

If SpaceVision 2006 is hosted at UCF, the conference will not only have excellent speakers but use workshops that will motivate chapters to continue projects at their universities and exchange ideas. These various workshops will be an opportunity for members to discuss things such as SEDS National Projects, outreach programs, and the future of SEDS. Since this is the only time of the year that SEDS members from across the country meet face-to-face, it is important to allow enough time for these development discussions and thus they will play a prominent role during SpaceVision 2006 at UCF.

Also, another planned workshop involves assembling an ESTES rocket with G Motors where the teams choose the nosecone, rocket length, and fin design and assemble the design in one session. The next session will involve proving their rocket is safe to fly and then it will be launched. This constructive workshop will teach the participants how they can start their own chapter projects and to use it as a recruiting tool. The purpose of these workshops will be used for chapter team building and will give them lessons to bring back to their universities.

Research Paper Contest

Members of SEDS can participate in a Research Paper contest. This contest will be judged by selected counsel members. There will be prizes for the first, second, and third place. The prizes will be Scholarships from SEDS in the amounts of 500, 300, and 200 dollars. The details of this contest will be forthcoming.



Job Fair

The job fair will be a great opportunity for students to meet with various engineering and space companies and learn about what employers are looking for. Students will have an opportunity to hand in resumes to various companies and gain insight about where they might want to go after college.

Poster Session/Student Research Displays

This will be an opportunity for chapters and members to display projects and/or areas of research that they are currently working on within their SEDS chapter. This will allow attendees to learn about various topics of research and development in the space and engineering field today. It will also be a great way for SEDS chapters to become involved by finding topics and/or projects that they may be interested in working on.

Observatory Social Event

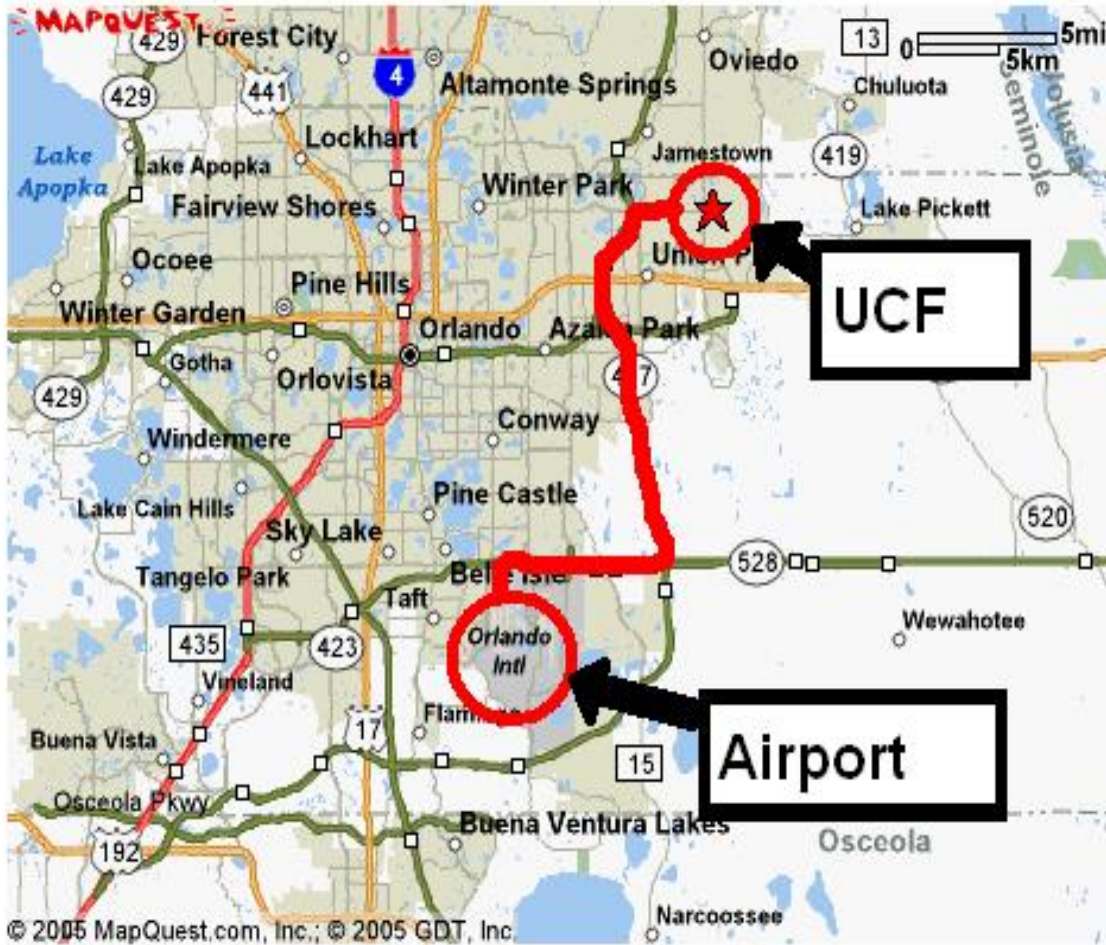
Saturday evening we plan to open the on-campus observatory for viewing to all those attending the conference. Food and drinks will be available. This will be a great opportunity for SEDS members to look at the universe and talk among fellow SEDS members from chapters across the nation.

Optional Tour of Kennedy Space Center

At noon on Thursday, November 9, there will be a bus taking all who are interested for a tour of Kennedy Space Center. This tour will be optional and will be available at an additional fee. This will be a great way for those who attend to get an up close view of the space programs of NASA. The tours include entrance to the KSC Visitor Center, the Saturn V Center, the LC 39 Observation Gantry, an IMAX movie, and the Astronaut Hall of Fame. Tours run for about two to two and a half hours and range anywhere from \$30.00 to \$37.00. Discounts may be available. For more information, visit:

<http://www.kennedyspacecenter.com/visitKSC/NASAtours/index.asp>

Airport–Campus Map



Estimated Cost for Air Travel Arriving at MCO

| <u>Departs</u> | <u>Airline</u> | <u>Estimated Cost</u> |
|-------------------------|----------------------|-----------------------|
| Boston, MA (BOS) | American Airlines | \$158.00 |
| Newark, NJ (NEW) | Continental Airlines | \$180.00 |
| Baltimore, MD (BWI) | Delta Airlines | \$190.00 |
| Indianapolis, IN (IND) | Northwest Airlines | \$171.00 |
| Austin, TX (AUS) | Delta Airlines | \$338.00 |
| Chicago, IL (MDW) | Southwest Airlines | \$115.00 |
| Raleigh, NC (RDU) | United Airlines | \$190.00 |
| Dayton, OH (DAY) | Delta Airlines | \$241.00 |
| Seattle, WA (SEA) | Delta Airlines | \$300.00 |
| Denver, CO (DEN) | Ted Airlines | \$230.00 |
| San Francisco, Ca (SFO) | United Airlines | \$322.00 |
| Tucson, Arizona (TUS) | American Airlines | \$264.00 |
| Washington D.C. (IAD) | United Airlines | \$128.00 |
| St. Louis, MO (STL) | Northwest Airlines | \$245.00 |
| Shenandoah Vall, VA | U.S. Airways | \$364.00 |
| Los Angeles, CA (LAX) | Delta Airlines | \$238.00 |
| Washington, D.C. (DCA) | Delta Airlines | \$158.00 |
| Detroit, MI (DTW) | Northwest Airlines | \$208.00 |
| Grand Forks, ND (GFK) | Northwest Airlines | \$425.00 |

Estimated Car Rental Cost

| Car Type | Economy | Compact | Intermediate | Full Size | Mini-Van |
|-------------------|----------------|----------------|---------------------|------------------|-----------------|
| Company | | | | | |
| Alamo | \$99.18 | \$99.18 | \$116.72 | \$123.74 | \$197.41 |
| Budget | \$102.36 | \$102.36 | \$119.90 | \$126.91 | \$197.07 |
| Thrifty | \$95.47 | \$112.84 | \$123.25 | \$144.09 | \$234.39 |
| National | \$113.15 | \$116.66 | \$130.69 | \$144.72 | \$199.83 |
| Hertz | \$115.40 | \$188.88 | \$132.77 | \$146.67 | \$271.69 |
| Enterprise | \$120.37 | \$136.03 | \$142.98 | \$181.17 | \$302.52 |
| Avis | \$140.94 | \$147.96 | \$158.48 | \$183.04 | \$305.83 |

****Note: Costs are based on a four day rental period (Thursday - Sunday)**



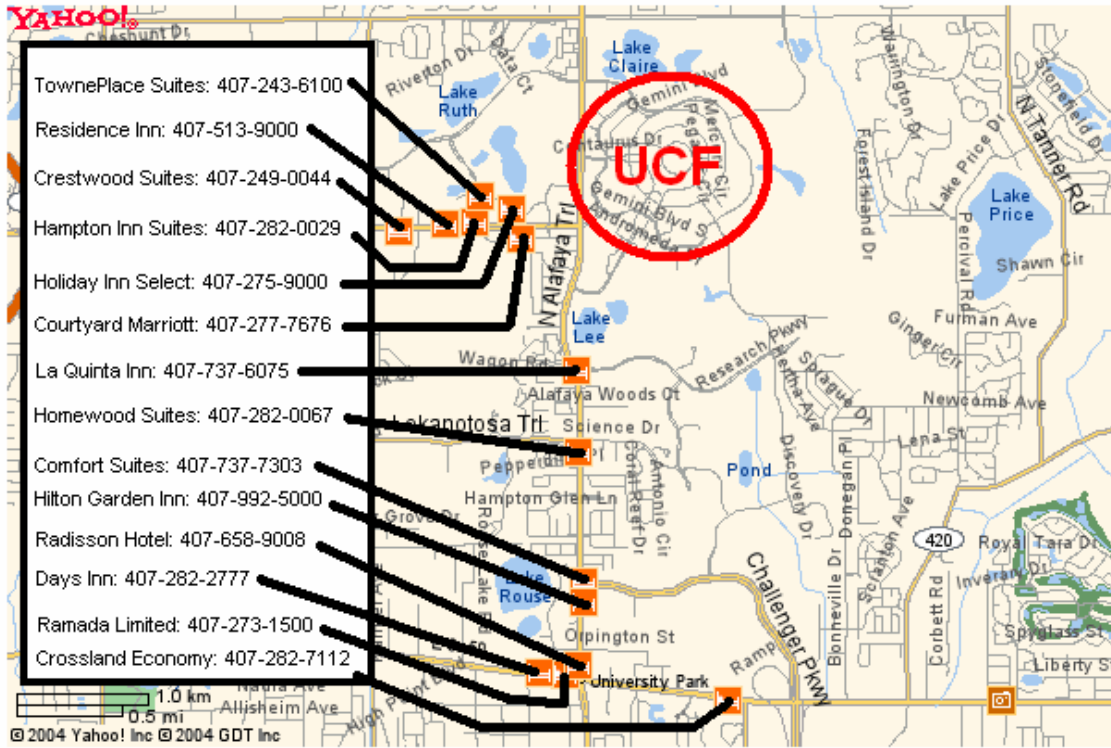
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Proposed Budget for SEDS Conference 2006 at UCF

| Item | Details | Cost per unit | Units | Estimated Cost |
|------------------------------------|------------------------------|---------------|----------|----------------|
| Guest Speakers | | | | |
| Travel | 25 Speakers at average \$250 | \$250 | 25 | \$6,250 |
| Lodging | 10 Speakers a each night | \$80 | 30 | \$2,400 |
| | | | Subtotal | \$8,650 |
| Catering | | | | |
| Continental Breakfast | Friday - Sunday mornings | \$200 | 3 | \$600 |
| Luncheon | Friday Afternoon | \$15 | 150 | \$2,250 |
| Banquet | Saturday Night | \$30 | 200 | \$6,000 |
| Closing Lunch | Sunday Afternoon | \$10 | 150 | \$1,500 |
| | | | Subtotal | \$10,350 |
| Facilities | | | | |
| A/V Equipment | Student Union only | | | \$500 |
| Room Rental | Student Union only | | | \$800 |
| | | | Subtotal | \$1,300 |
| Publications | | | | |
| Programs | | \$5 | 300 | \$1,500 |
| Attendee badge | | \$1 | 300 | \$300 |
| Banners | Conference Display | \$120 | 2 | \$240 |
| Other | | | | \$500 |
| | | | Subtotal | \$2,540 |
| Publicity | | | | |
| Newspaper Ads | School Paper | | | \$350 |
| Flyers | | | | \$100 |
| Website | Register per year | \$35 | 1 | \$35 |
| Mailings | | | | \$150 |
| | | | Subtotal | \$635 |
| | | | Total | \$23,475 |
| Funding | | | | |
| UCF Student Government Association | | | | \$1,000 |
| Sponsorship, Beyond | | \$2,500 | 2 | \$5,000 |
| Sponsorship, Mars | | \$1,000 | 3 | \$3,000 |
| Sponsorship, Moon | | \$500 | 5 | \$2,500 |
| Sponsorship, Orbit | | \$100 | 6 | \$600 |
| Space Fair, Company | | \$250 | 10 | \$2,500 |
| Space Fair, Non-profit | | \$100 | 4 | \$400 |
| Registration, Student | | \$20 | 250 | \$5,000 |
| Registration, Non-student | | \$30 | 50 | \$1,500 |
| Registration, Banquet | | \$10 | 200 | \$2,000 |
| Registration, Closing luncheon | | \$5 | 150 | \$750 |
| | | | Total | \$24,250 |

Local Area Hotels:



Local Hotel Contact Information

La Quinta Inn

11805 Research Pkwy
Orlando, FL 32826
Phone: (407) 737-6075
Fax: (407) 737-7562

Radisson University Hotel

1724 ALAFAYA TRAIL
ORLANDO, FL 32826
(407) 658-9008

Homewood Suites by Hilton

3028 North Alafaya Trail
Orlando, Florida, United States, 32826
1-407-282-0067

Residence Inn

11651 University Blvd.
Orlando, Florida 32817 USA
Phone: 1-407-513-9000
Fax: 1-407-513-9001
Sales: 1-407-513-9000
Toll-Free: 1-800-257-1562

Holiday Inn Select

ORLANDO-UNIV OF CENTRAL FL.
12125 HIGH TECH AVE.
ORLANDO, FL 32817
UNITED STATES
Phone: 1-407-2759000
Fax: 1-407-3810019
Email: dos@holidayinnucf.com
Check-In Time: 3:00 PM
Check-Out Time: 11:00 AM

TownePlace Suites

11801 High Tech Avenue
Orlando, Florida 32817 USA
Phone: 1-407-243-6100
Fax: 1-407-243-6111
Sales: 1-407-243-6100

Courtyard Marriott

12000 Collegiate Way
Orlando, Florida 32817 USA
Phone: 1-407-277-7676
Fax: 1-407-277-5710
Sales: 1-407-277-7676 ext. 611

Hilton Garden Inn

1959 N. Alafaya Trail
Orlando, Florida, United States, 32826
Phone: (407)-992-5000

Campus Map



Sample Conference Flyer:



Contact Information:

Damion Lucas
Space Vision 2006 Coordinator
(954)647-1362
Viridis321@aol.com

Todd Romberger
President, SEDS-UCF
(561)212-9135
rstones8@yahoo.com