

Status: **Recommended As-is**

Financial Officer: Gabriela Palavecino

APPLICATION SUMMARY

Application Summary	Budgeted	Requested	Recommend	Approved	Petitioned	Elected
APPLICATION TOTALS	\$(248,842.00)	\$124,421.00	\$124,421.00	\$124,421.00		
Undergraduate Special Fees		\$124,421.00	\$124,421.00	\$124,421.00		
6330 - Janitorial Services	\$(120.00)	\$60.00	\$60.00	\$60.00		
6560 - Event Food	\$(21,640.00)	\$10,820.00	\$10,820.00	\$10,820.00		
7410 - Equipment Purchase (Non-Cap)	\$(180,602.00)	\$90,301.00	\$90,301.00	\$90,301.00		
7420 - Equipment Rental	\$(5,800.00)	\$2,900.00	\$2,900.00	\$2,900.00		
7710 - Travel Fares	\$(30,380.00)	\$15,190.00	\$15,190.00	\$15,190.00		
7740 - Accomodations	\$(7,700.00)	\$3,850.00	\$3,850.00	\$3,850.00		
7820 - Registration Expense	\$(2,600.00)	\$1,300.00	\$1,300.00	\$1,300.00		
[All Expense Total]	\$(248,842.00)					

QUESTIONS & ANSWERS

Have you applied for Special Fees in the past 3 years? If so, please detail the outcome of each attempt.

We have applied for Special Fees each of the past 3 years. Three years ago, we received funding with some cuts; two years ago, we petitioned successfully for our full budget amount; and last year, we took cuts sufficient to push our budget under the 5% no-petition cap.

If you applied for Special Fees last year, is there an increase in the amount you're seeking this year? If so, why?

Yes. We have added 50% more members than last year, and while we have supplemented our Stanford funding with outside sponsorships, and are continuing to pursue other funding options, simple demographics require that we increase our fiscal base. SSI membership will eventually stabilize, but that hasn't happened yet, as we continue to grow explosively.

Please define the services provided by your group with the Special Fee, as per the ASSU Constitution:

The Stanford Student Space Initiative (Stanford SSI) is Stanford's largest project-based student group, with more than 100 dues-paying members, split into six project teams: Balloons, Rockets, Satellites, Biology, Operations, and Policy. We are a completely student-run organization founded in 2013 with the mission of giving future leaders of the space industry the hands-on experience and broader insight they need to realize the next era of space development. We're the gathering place for people who want to act on their interests in space. Since 2013, we've flown a zero gravity experiment with NASA, built multiple CubeSats, inspired 60 teams in 20 countries to launch high altitude balloons, certified dozens of students for high-powered rocketry, hosted more than 100 speakers at talks and conferences, been featured in media like Popular Science and USA Today, led a student-initiated class (AA47SI, Why Go to Space), demonstrated bidirectional laser communication, and developed ultra long duration latex balloon technology that has set a world record. SSI is dedicated to achieving both short- and long-term goals. In the next year, we plan to fly a high-altitude balloon to Europe, compete in an international rocketry competition, and build an launch an optical CubeSat mission. In the future we will send the first university-built rocket to space, continue development of novel satellite technologies, demonstrate DNA synthesis in microgravity, and continue to organize speaker events and workshops for the student body with top industry leaders.

How do you plan to publicize your events/programs to the greater Stanford community? Have you registered with Events at Stanford?

We are registered, and we have a long record of using emails, flyering, word-of-mouth, academic departments, and the group Slack to publicize SSI happenings. Our general calendar is viewable to anyone on our website.

If you are an umbrella group, please list the groups for which you are applying for Special Fees, their ASSU account numbers, and contact information for their financial officers.

N/A

Please list all: 1) assets, 2) reserves, 3) authorized and unauthorized non-ASSU bank accounts, 4) sources of funding other than Special

1) Liquid assets: solely 2800 account and Special Fees within ASSU. Physical assets: list is inordinately long, but inventory tag list is available upon request from SU Inventory Services. If necessary, we are also happy to arrange a tour of our space. 2) Approx. \$5000 in reserve account; budget modification currently being formulated to move to accounts impacted by higher-than-expected freshman turnout (car/van, gas, event food). 3) 2800 and Special Fees accounts only. 4) Corporate cash sponsors, SPICE grant (anticipated).

What are the three largest line item requests in your budget and why?

Equipment: Most of our expenses are related to building things. Where possible, we receive in-kind donations from sponsors (over \$500,000 equivalent value to date), but consumables -- rocket parts, balloons, basic electronics, microcontrollers -- still make up a great deal of our budget. Travel Fares: Since we can't launch things on campus, we have to drive to launch sites, some of which are quite some distance away. In the case of Balloons, we also recover flown payloads many miles downrange. Travel also includes a trip to the largest space conference in the world, at which we've historically created sponsor and speaker connections, and travel fares for those speakers to come to campus. Event Food: Covers both food on SSI-related activity trips and community gatherings. We provide lunch for students who have spent 3 hours in the car while getting to a launch site, and we have community dinners on a regular basis to bring people together from across the disparate parts of our group.

What is the average attendance at your events?

SSI contains more than 180 members, 110 of whom are active on our messaging platform every single day. These members attend events both for their subteam within SSI (Balloons, Rockets, Satellites, Biology, Operations, Policy) and for community events staged for the entire group. Event types include launches, build sessions, community gatherings, informational meetings, safety tours, and the occasional offsite sponsor visit; these range from small groups of 2-3 to our first general meeting of the year, which over 150 (we have photos #inauguration) students attended.

What events/programs does your group hold throughout the year for the Stanford Community?

Any and everything SSI does is open to the entire Stanford community, so long as they have an interest in space. We've grown from nonexistent to the above membership numbers in 4 years largely because of our inclusive model -- come to us with an interest, and we'll teach you what you need to contribute to the group. This includes both technical projects and speaker events, as well as the student-taught class AA47SI (look it up on explorecourses by typing " " into the search bar -- it's the #1 alphabetical class at Stanford).

Why are you requesting Special Fees?

As Stanford's largest project-based student group, and one of the largest student groups of any type, there is no other funding source available that meets our scale.

BUDGET DETAIL

		Budgeted	Requested	Recommen	Approved	Petitioned	Elected
Non Event-Specific		\$(124,421.00)	\$124,421.00	\$124,421.00	\$124,421.00		
		Budgeted	Requested	Recommen	Approved	Petitioned	Elected
6330 Janitorial Services (Undergraduate Special Fees/Annual)	Janitorial services after first general meeting of the academic year (requires rental of >200 person room)	\$(60.00)	\$60.00	\$60.00	\$60.00		
6560 Event Food (Undergraduate Special Fees/Annual)	Organization-wide dinner meetings (20 * \$280), food for balloon launches (12 launches * 15 members each * \$10/person + 1 onboarding launch * 20 members * \$10/person), food for rocket launches (8 launches * 10 members each * \$10/person + 1 competition launch * 12 members * 3 days * \$20/day), satellites dinner design event food (10 events * 10 members * \$5/person), group meals with speakers (6 * \$200)	\$(10,820.00)	\$10,820.00	\$10,820.00	\$10,820.00		
7410 Equipment Purchase (Non-Cap) (Undergraduate Special Fees/Annual)	Balloon helium (10 long-duration balloons * \$400/balloon + 12 short-duration balloons * \$200/balloon), weather balloons (10 long-duration balloons * \$120/balloon + 12 short-duration balloons * \$200/balloon), balloon avionics and associated electrical components (13.5 complete units annually * \$400/unit), balloon mechanical systems, parachutes, mechical assemblies, and associated components and raw materials (10 long-duration launches * 4 bags ballast/launch * \$35/bag + 10 parachutes * \$80/parachute + 10 long-duration mechanical assemblies * \$250/assembly + 12 short-duration launches * \$200/short-duration mechanical assembly), competition rocket airframe, fins, nosecone (3 * \$1000/development rocket + \$1500/flight unit), avionics (2 * \$1000/unit), payload structure and electronics (4 * \$500/unit), propulsion (2 * \$750/low-power test motor + 2 * \$1000/high-power motor), recovery system and test supplies (\$2000), high power rocketry projects, including but not limited to electronic and mec	\$(90,301.00)	\$90,301.00	\$90,301.00	\$90,301.00		
7420 Equipment Rental (Undergraduate Special Fees/Annual)	High-altitude balloon radio tracker annual satellite subscription (4 devices * \$100/device), high-altitude balloon satellite data relay monthly subscription (17 active device-months * \$9/month), high-altitude balloon data credits (10 long-duration flights * ~2800 credits/flight * \$0.08/credit + 15 short-duration flights * 91 credits/flight * \$0.08/credit)	\$(2,900.00)	\$2,900.00	\$2,900.00	\$2,900.00		
7710 Travel Fares (Undergraduate Special Fees/Annual)	Balloon launch costs (9 launches * (2 cars * \$75/car + \$170/truck) + 1 onboarding launch * (3 cars * \$120/car + \$170/truck) + 10 launches * \$184 fuel/launch), rocket launch costs (3 cars * 8 launches * \$115/car), satellite field test costs (5 tests * 2 cars * \$50/car), SSI movie nights (2 events * 3 cars * \$40/car), Space Symposium conference travel costs (\$750), Two space policy speakers from Washington, D.C. staying two nights in CA - \$500 x2 for flight and ground transportation	\$(15,190.00)	\$15,190.00	\$15,190.00	\$15,190.00		
7740 Accomodations (Undergraduate Special Fees/Annual)	IREC accomodations (3 rooms * 5 nights * \$90/night) + competition practice accomodations (2 rooms * 4 launches * \$100/night) + Space Symposium conference accomodations (\$1200), Two space policy speakers from Washington, D.C. staying two nights in CA: 2 people *\$125 x 2 nights	\$(3,850.00)	\$3,850.00	\$3,850.00	\$3,850.00		

	Budgeted	Requested	Recommen	Approved	Petitioned	Elected
Non Event-Specific	\$(124,421.00)	\$124,421.00	\$124,421.00	\$124,421.00		

	Budgeted	Requested	Recommen	Approved	Petitioned	Elected
7820						
Registration Expense (Undergraduate Special Fees/Annual)	\$(1,300.00)	\$1,300.00	\$1,300.00	\$1,300.00		
<i>IREC rocketry competition entrance fees; \$700 for team entry, plus 12*\$50 per-member fee.</i>						

APPLICATION TOTALS	\$(124,421.00)	\$124,421.00	\$124,421.00	\$124,421.00		
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ACCOUNT BALANCES

Account		Balance
2-7858-1-0-2800	STANFORD STUDENT SPACE INITIATIVE	\$43,909.28
2-7858-2-5-6330	ST STUDENT SPACE INT ANNUAL GRANT JANITORIAL	\$0.00
2-7858-2-5-6560	ST STUDENT SPACE INT SPEC FEES EVENT FOOD	\$5,532.62
2-7858-2-5-7410	ST STUDENT SPACE INT SPEC FEES EQUIPMENT	\$56,403.62
2-7858-2-5-7420	SSSI ANNUAL GRANT EQUIPMENT RENTAL	\$1,771.54
2-7858-2-5-7710	ST STUDENT SPACE INT SPEC FEES TRAVEL	\$14,018.39
2-7858-2-5-7720	ST STUDENT SPACE INT SPEC FEES GAS	-\$72.92
2-7858-2-5-7730	ST STUDENT SPACE INITIATIVE MAJOR GRANT CAR/VAN	\$781.95
2-7858-2-5-7740	ST STUDENT SPACE INT SPEC FEES ACCOMODATIONS	\$3,536.65
2-7858-2-5-7820	ST STUDENT SPACE INITIATIVE MAJOR GRANT REGISTR	\$1,100.00
2-7858-9-0-2820	ST STUDENT SPACE INT RESERVE	\$11,780.93