

# Announcement

## Space Grant Graduate Fellowship Program at UCSD

### California Space Grant Consortium (CaSGC)

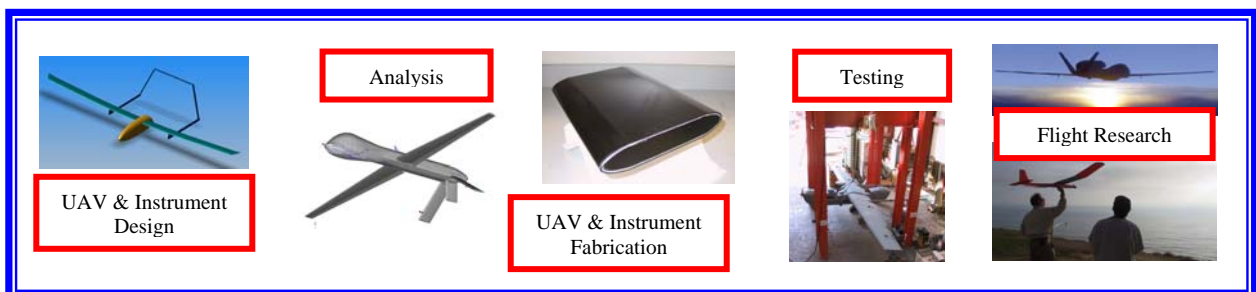
**Application Period: November 19, 2007 – December 21, 2007**

This fiscal year (FY 2007: April 1, 2007 – March 31, 2008) the California Space Grant Consortium (CaSGC – (<http://casgc.ucsd.edu>)) will provide fellowship support to UCSD graduate students for aerospace-related research in an interdisciplinary (science and engineering) focused theme area (see below). These graduate student fellowship opportunities are for students in aerospace-related science, engineering, technology, and management. This graduate student fellowship program will act as a catalyst to focus a campus-wide interdisciplinary team's (particularly 1<sup>st</sup> and 2<sup>nd</sup> year graduate students) attention on the science and engineering opportunities involved in the U.S. aerospace program. The Fellowship Program guidelines are as follows:

- California Space Grant fellowships totaling \$40,000 (awards range from \$6,000 to \$8,000) will be awarded in FY 2007 in the designated research theme area of **Unmanned Aerial Vehicles (UAV) and their associated science payload sensors and technology**;
- Graduate students must be U.S. citizens for Space Grant awards;
- Each fellowship application is reviewed by a CaSGC selection committee and awards are made on a competitive basis;
- CaSGC encourages aerospace science and engineering graduate students, particularly underrepresented ethnic or gender groups, to apply;
- Each award recipient is encouraged to mentor within the campus minority engineering and science programs and in the Space Grant Outreach Programs;
- Award recipients must provide a summary report at the end of the fellowship award period. This report must be submitted electronically to [spacegrant@ucsd.edu](mailto:spacegrant@ucsd.edu);
- All award recipients will be “longitudinally” tracked after graduation to assess the impact of the fellowship awards on career choices.

#### CaSGC FY 2007 Research Theme Area

### **Unmanned Aerial Vehicles (UAV) and Their Associated Science Payload Sensors and Technology**



### **Interdisciplinary Team Elements**

- All engineering disciplines associated with Unmanned Aerial Vehicles;
- All science disciplines associated with the development and application of remote sensing instruments on aerial vehicles;
- Technology focus areas
  - Nanotechnology applications;
  - Telecommunications: wireless networks, sensor networks, command and control, others;
  - Information Technology: autonomous systems, large data archives, data fusion technology, application software, others.
- Systems Engineering and Project Management

**Graduate Student Application:** The application must include the following components:

#### **Applicant Information:**

- Applicant's Name
- Department
- Graduate level (year)
- Faculty Advisor

**Abstract:** Proposal abstracts should concisely summarize the proposed research and its relationship to NASA's aerospace-related research mission. The abstract should not exceed 100 words in length. The abstract is in addition to the one-page proposal.

**Budget:** The graduate student fellowship award will range from \$6,000 (beginning graduate student) to \$8,000 (second year or greater). The student fellowship may cover tuition, room and board, books, software, school and laboratory supplies, and other related expenses. No equipment may be purchased with these funds. The CaSGC award is a Fellowship grant to support graduate education, and does not provide university overhead.

**Project Description:** A one-page project description that is authored by the applicant must be submitted via e-mail to [mwiskerchen@ucsd.edu](mailto:mwiskerchen@ucsd.edu). The proposal should describe the student's proposed or ongoing research.

**Biographical Sketch of the Applicant:** Provide short biographical sketch (not to exceed one page) that lists the following information: name, current student status, title, department, university address, phone number, e-mail, and ethnicity (optional). The sketch should include relevant career experience, research, awards, scholarships, and other relevant accomplishments.

**Letter of Recommendation:** The Faculty Adviser must provide a signed one-page letter of recommendation on behalf of the student. The letter must include a statement indicating the level of assistance provided to the student in the preparation of this application. A pdf file of the recommendation letter may be e-mailed to [mwiskerchen@ucsd.edu](mailto:mwiskerchen@ucsd.edu) or place the printed letter in campus mail to: Michael Wiskerchen, CaSGC Director, MS 0411, EBU II Rm. 104.