



Internships

Summer Opportunities

SDL provides innovative, world-class sensor systems and technical support.

For the summer of 2009, the Space Dynamics Laboratory (SDL) at Utah State University is offering space science and engineering internships at its facility in Logan, Utah. Each internship will last 3-4 months and will be project based. The internships will provide students with opportunities to work on professional-level assignments that complement their academic studies. An important objective of our internship program is to encourage the participation of women and minorities in our research projects.



Positions Available

Calibration Internship

SDL is developing new equipment that will be used for radiometric calibration of infrared electro-optical sensors. SDL is offering a summer internship to a qualified graduate student with interest in obtaining experience with the development of specialized calibration equipment. The following is a list of desired qualifications:

- Graduate student with background in physics, electronics, or instrumentation
- Strong computer and analytical skills
- Background in principles of measurement systems
- LabVIEW computer interface with measurement systems
- Experience with data reduction
 - Reduce data
 - Relate reduced data to physical quantities
 - Experience/exposure to propagation of errors
- Strong oral and written communications skills
- Optics and/or radiometric experience desired

Small Satellite Internship

SDL is seeking a qualified summer intern to work in the area of small satellite technologies. At a minimum, applicant must be a junior in electrical or mechanical engineering. Applicants working on an MS or PhD preferred. Several opportunities exist in one or more of the following areas:

- Attitude determination and control systems
- Command control & data handling
- Spacecraft structures
- Spacecraft power systems

Synthetic Aperture Radar (SAR) Internship

SDL is seeking a qualified summer intern to work in the area of synthetic aperture radar (SAR) image processing algorithm development and implementation. Applicant would work with an exciting group of engineers and scientists who are developing and flight testing SAR systems. The following is a list of desired qualifications:

- Junior, senior or grad student with major in electrical engineering, computer science, computer engineering, physics or other related major
- Strong computer and analytical skills
- Background in digital signal and/or image processing
- Software development
- Math and algorithm development
- SAR image processing experience desired

Applications are due by February 16, 2009

AA/EOE M/F/D/V

To obtain more information and an application, visit www.spacedynamics.org/employment/summerintern, or contact employment@usurf.usu.edu