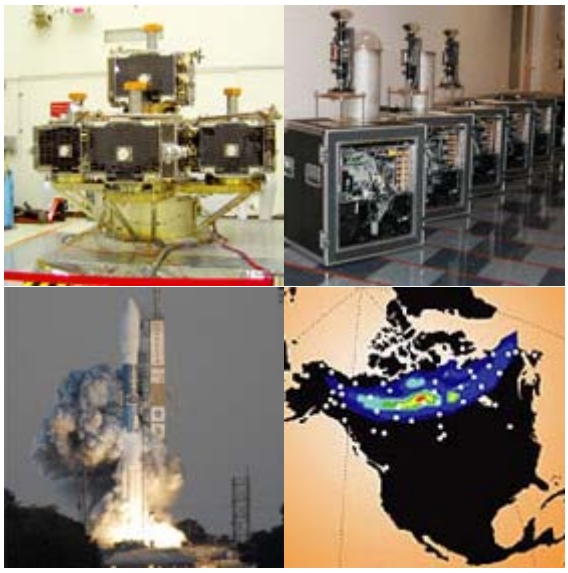
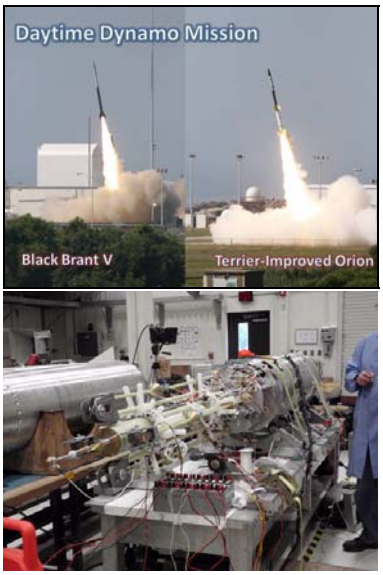
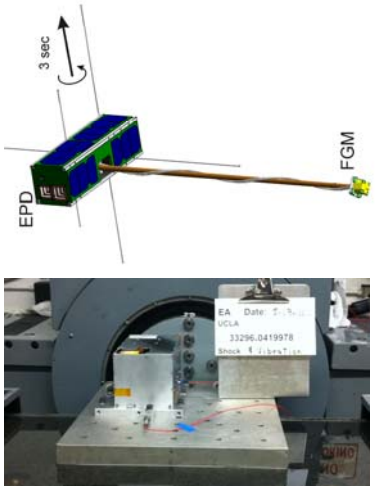
Position Opening: Assistant Development Engineer (EE)
in **Space Science Instrumentation,** at UCLA
Link: https://hr.mycareer.ucla.edu, req# 16489



THEMIS consists of 5 spacecraft (top left) in orbit since 2007 (launch: bottom left) and a geophysical network of >20 ground magnetometers / auroral imagers (top right) in operation. UCLA is this NASA mission's PI institution.



Dynamo rockets (mother/daughter) carrying a UCLA-built new generation magnetometer launched on July 10, 2011 from Wallops Flight Facility.



Top: UCLA CubeSat "Elfin" (concept). Bottom: Elfin instrument suite during vibe-tests, to be launched as a piggyback aboard Russian Lomonosov satellite (delivered: July 6).

The space physics group at the Institute of Geophysics and Planetary Physics at UCLA has an opening for an Assistant Electrical Engineer to work on space physics instrumentation projects. IGPP/UCLA has many years of involvement in ground magnetometer instrumentation, sounding rockets and space missions like: Apollo, Pioneer Venus Orbiter, Cassini (Saturn), Galileo (Jupiter), Themis (Earth), Artemis (Moon), and (currently) MMS. Much of the development occurs on ground-based and rocket campaigns. Future technology development plans also include cubesats and piggyback opportunities. The incumbent shall assist senior engineering staff in detailed design and implementation of analog sensors and digital logic subsystems embedded in ground-based and space-borne scientific instrumentation. Projects include: THEMIS ground based array, rocket launches in 2012 and 2013, calibration and analog/digital noise isolation and reduction of design prototype of a flight instrument**. Applicant must have EE or related degree and at least 2 years experience in analog and/or digital design. Familiarity with remotely operated geophysical sensors is highly desired.** For further information please see: https://hr.mycareer.ucla.edu, req# 16489.

REQ. 16489 Assistant Development Engineer

Title: Assistant Development Engineer
Organization: Institute of Geophysics & Planetary Physics

Requestor: James Nakatsuka x 5-3939 / Lynne Engstrom x 6-8590
Vassilis Angelopoulos x 4-7090

Employment Consultant: Ronald Guizado x40886
Postings: aeroindustryjobs.com / careers.ieee.org / engineerjobs.com

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Assistant Development Engineer

Assist in design and development of scientific instrumentation for space-based and ground-based platforms (for space missions, sounding rocket flights and remote geophysical observatories). The institute has current experience in such programs with lineage to the Apollo era. Specifically, design and test particle detectors for a secondary payload on a Russian spacecraft and for upcoming CubeSat missions; build and test new magnetometer detectors for upcoming NASA sounding rocket launches; maintain existing ground magnetometers for current NASA remote geophysical observatories. Participate in spacecraft integration and testing, as well as in rocket integration at NASA Wallops Flight Facility, and other sites. Prepare documentation for the instrumentation and present the design and test data in reviews, demonstrating professionalism and competence. In a small team environment the incumbent shall exhibit versatility, innovation, independence, follow-through, team-spirit and willingness to diversify quickly.

The complete listing of qualifications is available on UCLA's official job posting.

Information concerning UCLA's Institute of Geophysics and Planetary Physica may be found at our official website: http://www.igpp.ucla.edu/

Application Instructions
Applicants must submit their qualifications via UCLA's Career Opportunities website at http://hr.mycareer.ucla.edu. Reference **UCLA Requisition # 16489.** AA/EEO

Benefits
UCLA offers a comprehensive benefits package, including an average of three weeks' vacation per year; an average of 12 days per year sick leave; 12 paid holidays per year; health, dental and optical benefits; life insurance; disability insurance; the University of California Retirement Plan with 5 year vesting and various voluntary UC Savings Plans. There are also special programs and privileges available, such as accessibility to cultural and recreational programs, athletic events, and the University Credit Union.