


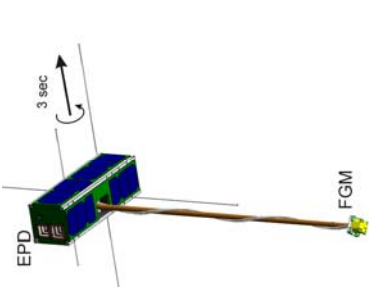

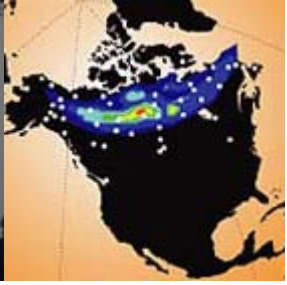
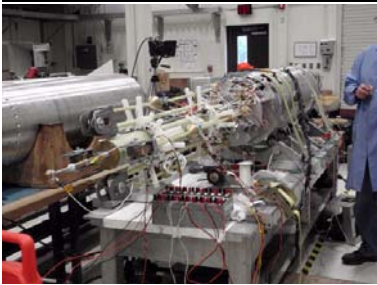



**Position Opening: Assistant Development Engineer (EE)
in Space Instrumentation at UCLA**

Link: <https://hr.mycareer.ucla.edu>, req# 16233

Position available until: August 28, 2011, or until filled.

 	<p>Daytime Dynamo Mission</p>  <p>Black Brant V Terrier-Improved Orion</p>	 <p>3 sec EPD FGM</p>
 		 <p>EA Date: 5/5/11 UCLA 33296.0419978 Book 4 of 13/11</p>
<p>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.</p>	<p>Dynamo rockets (mother/daughter) carrying a UCLA-built new generation magnetometer launched on July 10, 2011 from Wallops Flight Facility.</p>	<p>Top: UCLA CubeSat "Elfin" (concept). Bottom: Elfin instrument suite during vibration tests, to be launched as a piggyback aboard Russian Lomonosov satellite (delivered: July 6).</p>

The space physics group at the Institute of Geophysics and Planetary Physics at UCLA has an opening for a junior 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# 16233.