



**IEEE METROPOLITAN LOS ANGELES SECTION
 GEOSCIENCE AND REMOTE SENSING SOCIETY (GRSS) CHAPTER
 AEROSPACE AND ELECTRONIC SYSTEMS SOCIETY (AESS) CHAPTER**



**UAS and Their Application to Civilian Remote Sensing
 Mr. Steve Gitlin, Vice President, AeroVironment, Inc.**

Wednesday, April 9, 2014, 5:30 PM

**Sharp Lecture Hall, Arms Laboratory
 Caltech Campus
 Pasadena, California**



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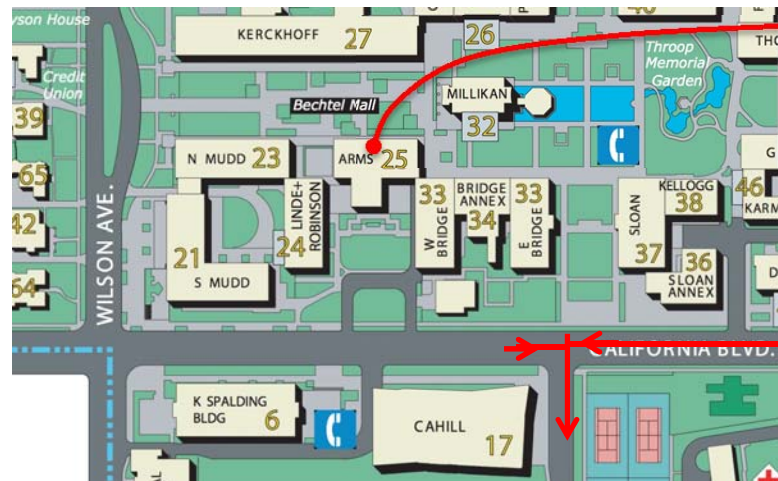
The IEEE Geoscience and Remote Sensing Society (GRSS) Chapter in Los Angeles, in cooperation with the Aerospace and Electronic Systems Society (AESS), presents a lecture on UAS remote sensing

Abstract: Remote sensing has traditionally used piloted aircraft or satellites as the sensor platform, but with the advent of very small and affordable Unmanned Aircraft Systems (UAS), researchers and operational organizations alike have begun to rely on unmanned systems for specific remote sensing missions. AeroVironment, Inc. has been a leader in the development of UAS platforms for the military, and increasingly for civilian uses, from hand-launched systems with a 15 km range to their Global Observer hybrid-electric platform that can operate for about a week at up to 65,000 feet altitude. This talk will give a broad overview of AeroVironment’s systems and their current uses, with the goal of stimulating discussion on possible new trends in traditional remote sensing applications.

Refreshments will be served!

AGENDA

- 5:30 pm – Refreshments
- 6:00 pm – Welcome and announcements – Paul Rosen, chair
- 6:10 pm – Lecture – Mr. Steve Gitlin, AeroVironment, Inc.
- 7:00 pm – Discussion and continued refreshments
- 7:30 pm – Adjourn



Sharp
Lecture Hall
Arms
Laboratory
Enter from
Bechtel Mall

Route to
parking
structure
(free after 5
pm)

Directions and Parking: Caltech is easily accessible from both the Harbor/Pasadena Freeway (110), southwest of campus, and the Foothill Freeway (210), north of campus. Please see <http://www.caltech.edu/content/directions> for detailed directions. Street parking is free and unlimited at this time of day. There is also a parking structure on the southeast corner of California Boulevard and Wilson Avenue that is free to all after 5:00pm on weekdays. Entrance off California Boulevard, west of tennis courts (as indicated on the map above).

RSVP to la.grss.officers@ieee.org would be appreciated, but not required.