



center for embedded
networked sensing

2007 summer course

sensing technology for the soil environment

General Information

Dates and Times

The course begins on Monday, July 9, 2007, at 6:00 p.m. and ends on Thursday, July 12, 2007 at 2:00 p.m. Alternate arrivals and departure dates can be arranged with prior notice.

Location and Directions

University of California
James San Jacinto Mountains Reserve
P.O. Box 1775
20950 HWY 243 at Lake Fulmor
Idyllwild, California 92549
<http://www.jamesreserve.edu>

The Reserve is located in a remote wilderness setting, surrounded entirely by the San Bernardino National Forest. The nearest services are 7 miles away. There are no public utilities except for telephone. Electricity is produced using solar photovoltaics and generator. There is also a well on site with 5,000 gallons of water storage. Therefore power, heating, and water are very limited and require constant conservation by our users. Keep this in mind as you prepare for the course. As an example, power-hungry items such as hair dryer should not be brought. There is one telephone, which is shared by everyone at the reserve and is limited to local calls, unless a long distance calling card is used. There is no cellphone coverage. Fortunately, wireless internet access is available in all buildings and many outdoor areas. Additional facts and figures about the reserve can be found at: <http://jamesreserve.edu/factoids.html>.

Directions from LAX: Take I-105E to I-605N to CA-60E until it merges with I-10E. Travel about five miles and to 8th Street exit and pick up directions below...

Directions from ONT: Take I-10E for about 45 miles to 8th Street exit and pick up directions below...

...Turn right on 8th Street and continue a short distance to the first stop sign. Turn left on Lincoln until the next stop sign (approximately 1/2 mile). Turn right on San Geronio Avenue (State Highway 243) and once the road begins climbing the mountain grade continue for approximately 15 miles. When you get to Lake Fulmor Picnic Area (US Forest Service), turn left into the handicap parking lot (this is across the street from the main picnic area parking lot). Pull up to the gate with the sign that says "ROAD CLOSED" and unlock the gate using a combination that will be provided to you in advance. Unlock the gate and drive forward, then lock the gate behind you. Continue on the uneven dirt road until you reach a second locked gate constructed out of chain link fence. The same combination applies to this gate. Again, please lock the gate behind you. Continue to the end of the road (about 1/4 mile) and park in the parking area to the left at the fork in the road. Check in at the Trailfinders Lodge.

Travel Considerations

Several airports are available for those flying to southern California. The closest airport is Palm Springs International Airport (PSP) however it is usually less expensive to fly into LA/Ontario (ONT) or Los Angeles International (LAX). James Reserve is about 40 miles from PSP, 60 miles from ONT, and 115 miles from LAX. Transit time by car is highly dependent on the time of day you travel due to traffic conditions in LA. Drive times of 3 hours or more from the LA area to the James Reserve are not uncommon. The reserve is reached via an unlit mountain road, which may complicate night time arrivals for unfamiliar visitors. You should bear this in mind when planning transport. Carpools are encouraged and we can assist in coordination.

Meals

All meals will be provided and are included in the course tuition. Meals will be prepared on site by chef Sue Halman, who specializes in vegan/vegetarian cuisine. Meals will include, but not emphasize, animal protein. Please note dietary request in the response form.

Lodging

Semi-private dormitory-style housing will be provided in the Trailfinder Lodge, including communal bathrooms with showers. Pillows, sheets, and blankets will be provided. Quarters are quite adequate, but unpretentious, as befits a biological field station and nature reserve. Campsites are also available; contact Jeff Goldman if you are interested in camping.

What To Bring

field clothes
sun and insect protection
camera
binoculars
computer
proof of insurance/medical card

Tuition

Tuition for the course is \$750. Send checks payable to the *Regents of the University of California* by **June 6, 2007** to Center for Embedded Networked Sensing, Attn: Jeffrey Goldman, University of California, Los Angeles, Box 951596, Los Angeles, CA 90095-1596. Regrettably, we cannot accept payment by credit card at this time.

Course Contacts

Course Coordinator
Jeff Goldman
jgoldman@cens.ucla.edu
310.825.7665 (office)
202.441.2245 (mobile)

Lead Instructor
Michael Allen
mallen@ucr.edu
951.827.5494 (office)

James Reserve
951.659.3811 (main office)
information@jamesreserve.edu
Michael Hamilton, Director
mhamilton@jamesreserve.edu

Checklist of documents to complete and return by June 6, 2007

- ✓ Information and Agreement Form
- ✓ Acknowledgment of Responsibility for Health Insurance
- ✓ Participant Demographic Information Form
- ✓ Waiver of Liability, Assumption of Risk, and Indemnity Agreement
- ✓ Tuition check for \$750 made out to the *Regents of the University of California*

Return to:

Center for Embedded Networked Sensing
Attn: Jeffrey Goldman
University of California, Los Angeles
Box 951596
Los Angeles, CA 90095-1596

Rules and regulations for the use of the James Reserve

Everyone is responsible for reading these rules to your students, and insuring their compliance. Failure to do so will result in suspension of your future use of the James Reserve.

Use of the Reserve and facilities is a privilege. We expect the grounds and facilities to be left in better shape than when you arrived. No collecting or trapping is allowed without approval of the appropriate use application.

1. No Dogs Allowed
2. No Children allowed under the age of 16 without prior approval from the Reserve Director.
3. Your group is responsible for cleaning any of the buildings and/or grounds that you use. Please emphasize that there is no janitorial service, and if the lodge or grounds are left in poor condition, that your instructor will not be allowed to use the facilities in the future. A cleaning checklist will be provided for your group to use during clean-up. All groups must check out with a Reserve employee. If you have any questions about cleaning procedures or expectations please ask for help.
4. All groups are required to check out by noon, unless prior arrangements have been made with the Reserve Director.
5. The entire Reserve is powered by solar photovoltaic panels. We barely make enough power from sunlight to provide continuous electricity, so please conserve. Turn off lights when not in use (especially the bathrooms). Electrical appliances such as coffee makers, hair dryers, curling irons, toasters, etc. are not allowed as they are incompatible with our solar power system. Minimize use of water because it requires electricity to pump the water into the building.
6. You are responsible for taking all of your trash and excess supplies with you when you depart. You may not leave trash at Lake Fulmor.
7. Except when unloading, all vehicles are to be parked in the lower parking area. Do not leave unattended vehicles parked around the building. This is required by the local fire Marshall.
8. Both gates into the Reserve are to remain locked at all times. Instructors must give the gate combination to all drivers and students who enter or exit the Reserve. We have had serious vandalism problems in the past, so it is imperative that the gates remain locked.
9. Please leave the doors to the Trailfinder Lodge closed when not in use. At an instructors request, we will provide a key to keep the doors locked if a group is away.
10. Open fires are limited to the barbecues. If you wish to have a ground fire in our outdoor fire pit, you must first check with a Reserve employee.
11. Smoking is not allowed in any buildings, on the trails, or anywhere on the Reserve except in the parking lot. Please place butts and matches in the trash.
12. Camping is not allowed except in the campground across the creek from the lower parking lot. Do not pitch tents in any of the meadows unless you have permission from a staff member.
13. A bill for use of the Reserve will be provided at the time you are here. Please make sure everyone in your group signs in so that we can calculate the total invoice cost and usage of the Reserve. Please make checks out to UC Regents. You may also pay by cash, campus recharge, INTER campus recharge, or with a purchase order.
14. We have a 24 hour cancellation policy. Groups are required to notify the Reserve at least 24 hours prior to their scheduled reservation. A \$100.00 fee will be charged to those who do not comply.
15. The Trailfinder Lodge number is 951-659-0553. This phone line is restricted to local calls only. You must use a calling card or call collect to place long-distance calls.
16. Please do not touch the electronic equipment located outside on the Reserve. This equipment includes cameras, weather motes and stations, solar power arrays, antennas, etc., and is used for habitat sensing. To avoid damaging any of the equipment accidentally, please play Frisbee or ball only in the parking lot area.

Safety issues at the James Reserve

Use of the James Reserve, like any wild and natural area, may involve some risks. The Regents of the University of California will not accept any liability for accidents which might occur on or near the University property. Your use of the James Reserve is done strictly at your own risk! You can avoid potential problems by being aware of the following possible risks.

1. Never hike alone, always work with at least one other person and make sure that your instructor knows where you are going and when to expect you back.
2. Rattlesnakes are common and particularly quiet, so please be alert. They will bite you if you step on them. In case of rattlesnake bite remain calm, and find someone who can drive a vehicle. Do not attempt first aid such as snakebite kits, constriction tourniquets, or ice pack. The latest information we have claims that doing nothing other than getting to a hospital is the best treatment. Do not kill a snake even if it bites you. The hospital does not need the animal in order to administer anti-venom or other treatments.
3. The nearest paramedic is 7 miles south on Highway 243 in Pine Cove. There is a telephone in the Trailfinder Lodge. The nearest pay telephone is 2 1/2 miles south from Lake Fulmor on Highway 243 at the Lawler Lodge County Park facility. Dial 911 for all emergency requests (medical, fire, criminal).
4. Mountain Lions are common in this mountain range. If you encounter a cat, and it is not acting aggressive, merely leave it alone. If it is acting aggressive, make sure you stand up straight, continue staring it in the eyes, and make lots of noise. Do not run or crouch. If injured by any wildlife, make sure that you can identify what it was and inform the appropriate medical personnel.
5. If you smell or see smoke while working outdoors, please return to the Reserve and report it to the staff member, or call 911 and report it to the authorities.
6. Swimming in Lake Fulmor is done strictly at your own risk. There are no lifeguards, and there may be broken glass and fishing lines under water.
7. Do not handle rodents, they may carry bubonic plague. Exposure to rodent saliva, urine, blood or feces may lead to potential infection from Hanta virus. Ticks in this mountain range are known to carry Lyme disease.
8. If you are in the field and hear the emergency siren please return immediately to the Trailfinders for further instruction.
9. The Reserve's Emergency Plan is located on the bulletin board in the Trailfinders kitchen area. This plan provides procedures for fire, medical and earthquake emergencies.

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Information and Agreement Form

**Please complete and return this form along with a check for \$750 made out to the
Regents of the University of California to Jeff Goldman by June 6, 2007.**

Name: _____

Mailing address: _____

Email: _____

Phone: _____ Fax: _____

Arrival and departure information (If flying: airport, airline, flight #, arrival/departure time)

Diet restrictions and special needs

Emergency contacts (Name, relationship, phone, email, list two)

I have read and agree to abide by the rules and safety issues for the James Reserve. I consent to the University of California to release demographic information about me provided for the course as needed for reporting purposes, and further to use my name, likeness, and statement as needed for promotional use (including web-based and broadcast media).

Print name

Signature

Date

Acknowledgment of Responsibility for Health Insurance

I, _____, understand that the
Name

University of California does not provide health insurance coverage to participants in CENS summer courses. I understand that I am responsible for maintaining my health insurance coverage during the course.

Name of insurer (optional)

Print name

Signature

Date

Waiver of Liability, Assumption of Risk, and Indemnity Agreement

Waiver: In consideration of being permitted to visit or participate in any way in any activity, including transportation, at the above location, I, for myself, my heirs, personal representatives or assigns, **do hereby release, waive, discharge, and covenant not to sue** The Regents of the University of California, its officers, employees, and agents from liability **from any and all claims including the negligence of The Regents of the University of California, its officers, employees, and agents**, resulting in personal injury, accidents or illnesses (including death), and property loss arising from, but not limited to, visitation or participation in any way in any activity, including transportation, at the above location.

Assumption of Risks: Visitation or participation carries with it certain inherent risks that cannot be eliminated regardless of the care taken to avoid injuries. The specific risks vary from one activity to another, but the risks range from 1) minor injuries such as scratches, bruises, and sprains to 2) major injuries such as eye injury or loss of sight, joint or back injuries, heart attacks, and concussions to 3) catastrophic injuries including paralysis and death.

I have read the previous paragraphs and I know, understand, and appreciate these and other risks that are inherent in visitation or participation. I hereby **assert that my visitation or participation is voluntary and that I knowingly assume all such risks.**

Indemnification and Hold Harmless: I also agree to INDEMNIFY AND HOLD The Regents of the University of California HARMLESS from any and all claims, actions, suits, procedures, costs, expenses, damages and liabilities, including attorney's fees brought as a result of my involvement in visitation or participation and to reimburse them for any such expenses incurred.

Severability: The undersigned further expressly agrees that the foregoing waiver and assumption of risks agreement is intended to be as broad and inclusive as is permitted by the law of the State of California and that if any portion thereof is held invalid, it is agreed that the balance shall, notwithstanding, continue in full legal force and effect.

Acknowledgment of Understanding: I have read this waiver of liability, assumption of risk, and indemnity agreement, fully understand its terms, and **understand that I am giving up substantial rights, including my right to sue.** I acknowledge that I am signing the agreement freely and voluntarily, and **intend by my signature to be a complete and unconditional release of all liability** to the greatest extent allowed by law.

Signature of Minor's Parent/Guardian Date

Signature of Participant Date

Participant's Age (If Minor): _____
NRS Waiver 10/03

Participant's Name (Print)