

Dr. Tom Levy of the University of California, San Diego and the Archaeological Institute of America's Orange County Society invite you for lunch, lecture and tour of UCSD's:

Cyber-Archaeology Lab

Sunday April 17th, 11am – 3pm

Cost: \$23 per person – includes light Mediterranean lunch, parking, lecture, faculty & student demos, and visit to 3-D StarCAVE

To attend, please send a check payable to AIA-OC to

19731 Canyon Drive, Yorba Linda, CA 92886 before April 3, 2016



Tom Levy



AIA



- A** LIDAR
- B** Total Station
- C** Helium balloon aerial photography
- D** OpenDig database for collecting excavation metadata
- E** ToughBook computer for wireless connection to cameras
- F** OctoCopter
- G** Handheld X-ray fluorescent (XRF) analyzer for nondestructive elemental analysis
- H** OptiPortable display wall
- I** Portable 3D scanners
- J** Differential GPS base station
- K** Fourier transform Infrared spectroscopy (FTIR), for mineral components of raw materials
- L** Digital photography lab—every recorded artifact

ACQUISITION

Archaeology Research Design
Digital Data Collection Tools
Diagnostic Imaging/Geophysics
ArchField
OpenDig

CURATION

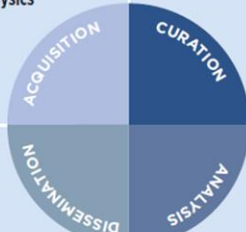
Data Storage
Geo-Spatial Mapping
Augmented Reality (Artifact)
ArchaeoSTOR

DISSEMINATION

Cyber-Infrastructures
Digital Archaeology Atlas of the Holy Land (DAAHL)
Open Access and Print
Citizen Science
CAVEs
Archaeo-Diplomacy

ANALYSIS

Modeling & Simulation
Visual Analytics
Crowd Sourcing
3D Visualization
Pottery
Informatics (PIQD)



As the excavation process destroys the very archaeological record that we are interested in investigating, over the last decade archaeologists have spent considerable effort on developing accurate and rapid digital data acquisition tools. The rapid development of inexpensive laptop computers, digital cameras, Global Positioning System (GPS) devices, electronic surveying instruments, and a wide array of handheld analytical instruments have influenced archaeologists to acquire and use these new tools.

Come see how UCSD is doing it!

DIRECTIONS TO CALIT2/ATKINSON HALL

1. Take I-5 Freeway ; exit La Jolla Village Dr. & go west:
2. Turn right at the first light onto Villa La Jolla Drive.
3. Turn right at the second light onto Gilman Drive.
4. Turn left at the stop sign onto Voigt Drive.
5. At the intersection past Canyonview Pool, turn right.
You will still be on Voigt Drive.
6. Continue on Voigt Drive and park in lot P502 on the right side of the road across from Atkinson Hall.

AGENDA

- Inauguration of UC San Diego Center for Cyber-Archaeology and Sustainability, Qualcomm Institute
- 11:00 am - Welcome, drinks, demos in the VRoom
- 11:30 am- 12:15 pm Overview talks in Qualcomm Institute (QI)
- 12:15 pm- 1:15 pm Lunch
- 1:15 pm - 3:00 pm Student and Faculty Demos in StarCAVE, WAVE, VRoom, Google Cardboard, Oculus Rift, and more

Meet at UCSD's VRoom on the first floor of Atkinson Hall at 11am. For more information: AIA-OC.org