



UCSC Archaeological Research Center Workshop

3D PHOTOGRAMMETRY FOR CULTURAL HERITAGE

March 25-31, 2018

**DEADLINE FOR APPLICATION:
DECEMBER 1ST, 2017**

Scholars in a wide range of disciplines are increasingly attuned to new digital technologies to assist in the process of archiving, analyzing, and presenting cultural heritage data. In the past few years, a new cost-effective 3D technology has entered the picture for those working with objects. Photogrammetry, or structure from motion, generates accurate 3D models of objects, monuments and landscapes using a series of high-resolution photographs taken using inexpensive DSLR cameras or aerial drones. This technology, and the necessary software for processing the huge data meshes produced, is now inexpensive and simple enough for scholars to use and learn themselves, resulting in a rapid uptick in the creation of 3D data across object-oriented disciplines. We see hands-on training in this new technology, combined with a critical eye towards the social context of knowledge production, as transformative for the next generation of Cultural Heritage scholars trained in the University of California system.

What: A one-week training workshop on photogrammetry for early-stage graduate students. Participants in this workshop will gain intensive hands-on experience in the techniques and processing workflow for photogrammetric recording for cultural heritage projects, presented within the context of a critical engagement in discussions of the politics of digital knowledge production.

Who: 10 graduate students from across the UC system. Preference will be given for Ph.D. students, but Masters students may also be accepted. You should be working directly on a research project in which the 3D documentation of cultural heritage can add significant value. We foresee interest from students in Archaeology, World Heritage, Public History, Art History, Anthropology, Near Eastern Languages and Cultures, Native American Studies, and other departments.

When: March 25-31. Participants will stay near UCSC, arriving Sunday evening and returning to their home campuses the following Saturday. Only students who can attend the entire workshop will be considered.

Where: UCSC. Students will be provided funding for housing, transportation, and lunches will be included.

The Training: Michael Ashley and Tom Noble from **Codifi** (www.codifi.com), an emerging industry leader in the use of digital technologies in cultural heritage recording located in the Silicon Valley, along with faculty and staff from the UCSC Archaeological Research Center (ARC)

The Goal: Each participating graduate student will finish the workshop with a concrete proposal for utilizing photogrammetric recording in their own research on a cultural heritage project. A requirement for accepting the opportunity is that graduate students share their skill set with other graduate students on their campus. Each participant will be asked to give a 1-hour presentation on their campus during the 2018-2019 academic year showing the results of their fieldwork using photogrammetry.

To submit an application for the ARC Photogrammetry Workshop, please visit:
<https://goo.gl/forms/7cAyYj2smf8HLhRB2>

