

## SAMPLE

### **Workshop Proposal for 73<sup>rd</sup> Annual SVP Meeting** **Workshop title: "Photogrammetry: Digital Data Collection in the Lab and Field"**

**Date and Time:** Oct 29, 2013 from 9:00am - 4:00pm

**Proposed Venue:** Meeting room (TBD by the headquarters office) at the Westin Bonaventure Hotel and Suites. We will need a room with a data projector, screen, podium microphone, and tables and chairs to accommodate 25- 30 individuals on Tuesday Oct. 29, 2013 from 8-5. In addition, 3 additional tables will be needed for laying out specimens (additional power supply not necessary). The Workshop leaders will bring their own laptops.

**Purpose:** Photogrammetry is a powerful and relatively inexpensive tool for documentation of the appearance and condition of fossil resources during any step of the curatorial process. The purpose of this workshop is to familiarize participants with the methodology, applications, and products of photogrammetry as it relates to collection, preparation and curation of fossil vertebrate material. The general concept of the workshop is to provide an overview of photogrammetry and requirements of image capture. The workshop will begin with a discussion of the basics of stereo photography and what makes photogrammetry work; followed by an overview of the photogrammetric process, camera/equipment, simple to complex project designs, types of software, importance of camera calibration, examples of project layouts and results, and what can be done with the data. The hands-on part of the workshop will allow participants to use their own cameras to collect digital data using photogrammetry of various vertebrate specimens and then a walk-through of some of the easier processing software programs that can be utilized; allowing participants to actually see some of the processed data from their photogrammetric work. Participants will have the chance to process some of their own data and will leave the workshop with a highly detailed three dimensional digital image file of their specimens, as well as a better understanding of the monitoring and conservation opportunities photogrammetry provides for the field of vertebrate paleontology. Participants are encouraged to bring their own digital cameras, laptop computers, and iPads.

**Transportation:** None needed.

**Organizers:** Neffra Matthews, Brent Breithaupt, and Matthew Smith

Neffra Matthews  
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**Proposed Budget:**

Handout Material       \$50.00

Supplies                 \$100.00

Wireless internet required for 15 people – TBD by SVP office and added to cost.

**Proposed Cost per person:** \$25.00

**Note:** Meals will not be provided.

The proposed cost does not include the \$5.00 per person SVP administrative fee.

Workshop leaders are not required to pay the Workshop fees to participate.

**Minimum and maximum number of participants:** Minimum 15, Maximum 30 (does not include Workshop leaders)

## Advertisement Copy

### Photogrammetry: Digital Data Collection in the Lab and Field

• **Purpose and intended outcome:** Photogrammetry is a powerful and relatively inexpensive tool for documentation of the appearance and condition of fossil resources during any step of the curatorial process. The purpose of this workshop is to familiarize participants with the methodology, applications, and products of photogrammetry as it relates to collection, preparation and curation of fossil vertebrate material. The general concept of the workshop is to provide an overview of photogrammetry and requirements of image capture. The workshop will begin with a discussion of the basics of stereo photography and what makes photogrammetry work; followed by an overview of the photogrammetric process, camera/equipment, simple to complex project designs, types of software, importance of camera calibration, examples of project layouts and results, and what can be done with the data. The hands-on part of the workshop will allow participants to use their own cameras to collect digital data using photogrammetry of various vertebrate specimens and then a walk-through of some of the easier processing software programs that can be utilized; allowing participants to actually see some of the processed data from their photogrammetric work. Participants will have the chance to process some of their own data and will leave the workshop with a highly detailed three dimensional digital image file of their specimens, as well as a better understanding of the monitoring and conservation opportunities photogrammetry provides for the field of vertebrate paleontology. Participants are encouraged to bring their own digital cameras, laptop computers, and iPads.

- **Title:** Photogrammetry: Digital Data Collection in the Lab and Field
- **Date, time:** Oct 29, 2013 from 9:00am - 4:00pm
- **Venue:** Westin Bonaventure Hotel and Suites, Meeting Room (TBD).
- **Transportation:** None
- **Recommended items to bring:** Digital camera, laptop computer, and/or iPad.
- **Materials provided:** Workshop training manual and specimens to photograph.
- **Names of organizers/presenters and contact information:** Neffra Matthews, Brent Breithaupt, and Matthew Smith (other presenters may be included)

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- **Proposed Cost per person:** To be determined by HQ Office
- **Minimum and maximum number of participants:** Minimum 15, Maximum 30