

Call for Participation - Training Opportunity

Stereo Processing of Planetary Imagery using SOCET SET[®]

The Planetary Photogrammetry Guest Facility at the Astrogeology Science Center of the U.S. Geological Survey would like to announce its Call for Participation for a training opportunity on the production of topographic maps from planetary stereo images using the SOCET SET[®] software by BAE Systems. The training is free to participants, and will cover end-to-end, hands-on photogrammetric procedures for surface extraction from Mars Reconnaissance Orbiter HiRISE image pairs. The topics include

- *An introduction to photogrammetric procedures and surface generation techniques;*
- *Overview of HiRISE imagery;*
- *Workflow and data exchange between ISIS and SOCET SET; and*
- *ISIS HiRISE processing steps.*

The hands-on training will include SOCET SET import of image and reference data, orientation procedures, multisensor triangulation, manual and automated surface extraction of digital terrain models (DTM), editing, and data export.

If you are interested in participating in this opportunity, then please send an email to [Dr. Raad Saleh \(PlanetaryPhotogrammetry@usgs.gov\)](mailto:Dr.RaadSaleh@usgs.gov) with the following specific information: your name, title, affiliation, address and full contact information. Please also include your most preferred dates to attend and a short statement describing your interest in the training. Please note that seating for this session is very limited, so please express your interest as soon as possible.

Because of U.S. Department of Interior policies related to sequestration, we will not be able to operate a USGS Astrogeology booth and SOCET SET demo at the 44th Lunar and Planetary Science Conference (LPSC), the Woodlands Waterway Marriott Hotel and Convention Center, The Woodlands, TX, March 18–22, 2013. If you have questions about the Guest Facility, please contact us by email.

Please note the following:

1. Training will be 3 days, preferably starting on a Monday or Tuesday.
2. Participants will use standardized sets of HiRISE images throughout the training.
3. SOCET SET and the Guest Facility support the use of images from several planetary cameras in addition to HiRISE. If you are interested in using other datasets, please contact us. This hands-on training will focus on HiRISE, but we can discuss some of the differences in the processing of other datasets and provide additional one-on-one training when you are ready to begin producing DTMs. We are also happy to advise potential users on the suitability of different sensors for their research projects.
4. If you would like to stay longer to process your own datasets, please let us know how many DTMs you hope to produce. The Guest Facility has a single workstation available for DTM production; therefore, users need to schedule one or more additional visits after training to generate their products.
5. For more information about the Guest Facility, please see <http://astrogeology.usgs.gov/geology/photogrammetry-guest-facility>
6. If you are interested in ISIS training, please see: <http://isis.astrogeology.usgs.gov/IsisWorkshop/index.php/IsisWorkshop>

With your participation, we look forward to realizing another successful and productive training session. In the meantime, please do not hesitate to contact me directly if you have any questions or require further information. Thank you.

Contact: Dr. Raad Saleh, Training Coordinator, The Planetary Photogrammetry Guest Facility
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