

Team Meeting Minutes: 9/16/2014

❖ Profilometer Selection Ideas:

- Trevor: Found a profilometer with really high resolution, but this could result in higher cost. He is investigating further.

- Ian: Found a profilometer that he thinks will be expensive. Can scan larger parts ~300mm. Resolution of 10 nm. Has a rotating stand for the part being analyzed.

- Cris: Found a few profilometers from Solarius Inc.. Resolution of up to .008 micrometers. Fast data acquisition time. Vibration dampened stand. Software packages available. Need further investigation.

- Kaleb: Found a few profilometers from two different companies. Both with resolution of at least 1 micrometer. Matlab compatible. Image stitching program +\$5000 to price. Obtained price quotes from the manufacturer.

❖ Obtain a team portfolio- 3 ring binder (Cris)

❖ Trev: Further contact with client to establish sight visit information needed. Also talked to Chance and Vince for dates to get familiar with the FLIR.

- **MEETING TIMES: Wed. Sept. 17th @2:30pm and/or Thurs. Sept. 18th @3:00pm**

❖ Need to show proof of concept to client-

- Questions involving material handling, how measurements are taken, how automated the process be, etc.

❖ Get test specimens from Russ in the machine shop for the use in the FLIR experiments. Try to get them by the meeting times with Chance and Vince to use the FLIR. Can we check the FLIR out for several weeks?

- take pictures of material with the FLIR while transient and steady-state.

❖ Set a tentative agenda for the client and prepare questions.

❖ Read the SPERT documents

❖ Steve dealt with reservations and travel expenses for the INL site visit on the 28-29th of Sept.

- Comes out of the budget

-might need SSN for access on site

-stop to get dinner on the way

-leave hotel at 7:30am to INL, visit might last until noon

-**MEET: Steam Plant parking lot @ noon on the 28th of Sept. for departure**