**COMPTECH 2016 Annual Report**

**COMPRES Facilities Comments**

**Bin Chen**

**Arianna Gleason**

Facility meeting needs of user community: Yes. Science Highlights on TDS are interesting and applicable software available to users would be a great tool for the user community. It’s mentioned that this project will discontinue after May 2017 – so are there any side-project or continued official collaborations to continue the excellent work on DAC membranes, DAC heaters, and portable ruby fluorescene systems (are we to understand it’s Dera taking over since he submitted the report)? I’m confused on the long term management plan. And since these tools are valuable to the larger user community it would be good to get that outlined.

**Anne Pommier**

*-Science:* little details are provided, some information about Thermal Diffuse Scattering (elastic properties) up to 40GPa on Fo100. 4 pubs are listed but these projects are not presented in the report.

*-User community*: TDS software is now available to users (2 pubs in prep). Staff worked w vendor to make cheap heaters, made available to COMPRES users.

*- Management team*: Grad student (Y. Hu) replaces former staff J. Zhang who took on a faculty position. J. Zhang trained by Y. Hu before she left. Is there a plan to hire a new staff to help Y. Hu and continue the development of COMPTECH projects?

A clear section points out the positive and negative aspects of the COMPTECH experience: while one can the fact that all staff hired got tenure-track positions after 1-1.5 yrs and stay active in COMPRES, the lack of centralized personnel (lack of stability in staff funding, short duration employment) has been an issue.

*-Facility:* A new DAC cap design (universal membrane) has been developed. The on-line sample observation and ruby fluorescence system is described as work in progress. Will this occur now that J. Zhang is gone? Last year’s Facility report suggested to implement the portable viewing system, but this has not been done yet due to J. Zhang leaving. Is there a plan to do it in the coming year?

**Mark Rivers**

This is a “close-out” report for the COMPTECH project which has been discontinued.

The budget (joint with PX2) says that Yi Hu was paid 5 months from this project. She is a student. Was this budget item approved by COMPRES central? I thought the expenditures for COMPTECH salaries were going to stop once Jin Zhang left?

The publications listed in the COMPTECH section of the combined PX2/COMPTECH publication list are actually all unrelated to any COMPTECH projects. They are Jin Zhang’s research on other projects.

I appreciate Przemek’s comments on the lessons learned from COMPTECH. I think COMPRES should consider having a position for a “technology” support person at a higher level. One of the strengths of GSECARS and HP-CAT has been that they have the technical staff and expertise to design and construct equipment for new techniques. COMPRES really does not have this, and it could be useful.

**Dan Shim**

The proposal ends with a very good question about how COMPRES would respond to a similar program more effectively. Can the infrastructure program do any contribution to this type of activity? I see some values of an activity like this not bound to any beamline but develop some important stuff for COMPRES community.