

Technology Committee Meeting
October 1st, 2018

Agenda

- Mapping the Committee members to technologies they represent
- Start working on a list of Fermilab technologies. Any missing technologies?
- Do we need to co-opt more members? I have received a proposal already from Gabe
- Website / Indico / minutes
- Committee photo at noon (WH Atrium)

Minutes

Present: S. Belomestnykh, A. Bross, J. Estrada, A. Grassellino, C. Hill, P. Hurh, J. Jarvis, P. Merkel, G. Perdue, Ch. Thangaraj, W. Wester

Absent: S. Chattopadhyay, G. Deptuch, A. Fava, A. Para

- Angela cannot attend this meeting only after 11:30 am. **We should discuss next time if everybody is OK to shift the meeting to 11:30 am – 12:30 pm time slot.**
- Mapping the Committee members to technologies they represent. We went around the table and came up with the following list:

Committee member	Technologies represented
Alan Bross	Radiation detector technology, photo detectors
Swapen Chattopadhyay	Accelerators
Grzegorz Deptuch	ASICS, high-density interconnects, 3D integration technology, radiation detectors
Juan Estrada	Detectors for astrophysics (including Quantum sensors)
Angela Fava	LAr TPC's, esp. HV
Anna Grassellino	SRF and SC quantum systems, SC magnets
Christopher Hill	Condensed matter physics (qubits, graphene, quantum wells, ...)
Patrick Hurh	Targetry technology (research in material radiation damage, micromechanics, remote handling, ...)
Jonathan Jarvis	Accelerators, condensed matter and nanofab
Petra Merkel	Detector R&D (silicon detectors and other technologies)
Adam Para	General detector technology, photodetectors
Gabriel Perdue	AI and quantum computing
Charles Thangaraj	Accelerators, RF sources, additive manufacturing
William Wester	LDRD, silicon detectors, ASICS electronics

This list does not necessarily mean that the listed committee members are experts in the technologies they represent, but it provides “mapping.” So, whenever the committee wants to discuss a particular technology, we would know who to ask for arranging such a discussion.

- Sergey will prepare **a list of technologies to discuss at the next meetings.**
- It was suggested to create a directory of technologies with names of experts. This would be the next step.
- After the list of technologies is finalized, we will start to invite experts to update the committee on status of their technologies.

- Gabe raise an issue that nobody on the committee represents cloud and exascale computing and suggested to co-opt Burt Holzman. After discussion, it was decided that Sergey would bring this to Nigel and ask for his guidance. – **To be further discussed at the next meeting after Sergey reports on his meeting with Nigel.**
- Anna asked if the lab need a Technology Advisory Committee in addition to AAC and PAC? The consensus was that perhaps the time to create such a committee would be after we produce the Technology Roadmap document. Again, **Sergey is to discuss this proposal with Nigel and report at the next meeting.**
- The committee would need a website and an Indico site. The website will serve just to provide a simple public face of the committee. **We haven't discussed who would be responsible for the website – need to get back to this at the next meeting.** The Indico site will be used for publishing agendas, minutes, presentation and for distribution of materials. It will be password protected.
- It was agreed that we will generate minutes after each meeting and the committee members will take turns (in alphabetical order) to take notes and write the minutes. Sergey will produce minutes of the first meeting.
- A photo of the committee members was taken in the Atrium.