



Scientific Computing Systems and Services

Margaret Votava and Bo Jayatilaka
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About us

Margaret (Division Head)

1988:

- Hired into the lab to in the “computing department” to work on real time systems.

1988-2021:

- DAQ, Offline,
- BTev DAQ/Trigger co-L2 (along with Erik Gottshalk), ILC Controls L2 (briefly)
- USCMS S&C Co-Deputy

2022: Acting FSO bridging between Mark Kaletka’s retirement and SoLita’s start date



Reaping the rewards
of going native!

Bo (Deputy Division Head)

- Scientist: member of CMS and currently LPC Co-Coordinator
- At Fermilab since 2012 (and a user since 2003 on CDF)
- Past Scientific Computing roles: data preservation, grid computing, storage operations, storage R&D

Mission

Facilitate the offline computing services for our users/affiliates.

- Data Center Management
- Scientific Facility Services
- Data services
- Compute services

Ensure that that the underlying services we provide are as robust, flexible, and easy to use as reasonably achievable.

Provide a sense of accomplishment and job satisfaction to our staff.

Division vision

Continue to provide services at the highest level while:

- Evolving our facilities and services so that we are able to continue to provide our excellent level of operational support as experiments' needs change, technologies evolve, cyber security requirements increase, and the scale of computing explodes.
 - Our scientific computing facilities will look very different in a decade and we need to plan for that!
- Continue working closely with our stakeholders/partners
 - The other computing divisions; as applications evolve their requirements on the facility services and we could apply AI/ML advances
 - Experiments and collaborations to understand and influence their computing needs
 - Community organization and peer institutions to encourage community-wide solutions

Next steps

- I have chatted with all department heads whose departments will be in SCSS, and reaching out to a few individuals that are coming in from other departments.
- Will start discussing division priorities soon
 - FY23 objectives including roadmap of services
 - How we best communicate internally/externally
 - Organization
- **We welcome your thoughts and ideas!**
 - Please use the path that is most comfortable to you! I can be reached via email, slack, or in person chat. Bo is also similarly available, as are current departments heads.

Reorgs are opportunities! Let's make the most of it.