

#### Short Bio of Charles Doose:

Charles Doose began working at Argonne National Laboratory in Illinois in 1990 as a technician. He worked on designing and building magnetic measurement systems for the Advanced Photon Source, APS, under the direction of Suk Kim. In 1991 he was promoted to staff as an engineering assistant. He directed technicians in building and operating the magnetic measurement systems that were used to measure all the APS conventional magnets. After the APS was commissioned, Charles was involved with many different types of magnetic, electrical, and mechanical measurements for users as well as accelerator staff. Starting In 2004 Charles worked in the APS Magnet Devices group helping to build superconducting planar and helical undulators. In 2016, Charles began working on the design of magnetic measurement systems for the APS upgrade and has had the pleasure of working with Animesh Jain since then.