

## **Technical Presentation: “e, X, $\gamma$ - The Good, the Bad, and the Promising”**

### **Thomas Kroc, PhD**

Thomas has been at Fermilab for over 37 years. Initially trained as an experimental high energy physicist, he moved on to accelerator physics. For 20 years he was part of the team providing cancer treatment through Fermilab’s Neutron Therapy Facility. He was head of that facility for the final five years of its operation, ending in 2013. He then took his accelerator and medical application experience to Fermilab’s Illinois Accelerator Research Center (IARC), looking to apply Fermilab’s technology to various applications. In 2017, he was the primary author of “Accelerator-driven Medical Sterilization to Replace Co-60 Sources,” which was conducted at the request of the National Nuclear Security Administration. Since then Thomas and IARC have continued to be involved in promoting and facilitating the application of accelerator-based sources of ionizing radiation for many applications, including sterilization.

