

# Rodger Bossert



Rodger Bossert earned his BS in Mechanical Engineering from Aurora University in 1986, completing it while working at Fermilab. He has been employed at Fermilab since 1977, contributing to several superconducting magnet and detector projects, beginning with the Tevatron cryogenic test facility, and extending through cold mass and cryostat design on the SSC dipoles as well as the LHC IR quadrupoles. From 1990 through 1995, he worked on the CDF end plug upgrade at Fermilab, concentrating on optical fiber routing, layout of detector components, and connector design.

From 1996 through 2007, he was one of the lead engineers on the design of the LHC IR quadrupoles and participated in the cold mass development, construction, and preparation for installation at CERN. Since then, he has been involved in the LARP (LHC Accelerator Research Program), collaborating with U.S. national labs as well as CERN on the development of  $\text{Nb}_3\text{Sn}$  magnets for the luminosity upgrade to take place later in this decade. His primary focus has been on magnet design and materials for use in cryogenic and high radiation environments.

In addition to the work with LARP, he is participating in several areas of the Mu2e experiment currently being completed at Fermilab, addressing the alignment and installation of detector components and shielding issues.

Rodger has also served on various safety and engineering policy committees at Fermilab.