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Dr. Benjamin R. Betzler is a senior R&D staff member at Oak Ridge National Laboratory and leader of the Research and Test Reactor Physics Group. He joined the laboratory in 2014 after completing his Ph.D. in nuclear engineering and radiological sciences at the University of Michigan. His research focuses on advanced reactor design and Monte Carlo radiation transport methods. As the design lead for the Transformational Challenge Reactor, Dr. Betzler coordinated efforts between design, manufacturing, and materials concentration areas to develop and deploy emerging advanced manufacturing and artificial intelligence technologies in support of the nuclear industry applications.