

Christopher E. Whiting, Ph.D. is a Principal Research Scientist and Team Leader at the University of Dayton Research Institute where he supports the design, development, production, and maintenance of radioisotope power systems for NASA, the Department of Energy, and Zeno Power Systems. While Chris supports all aspects of the RPS lifecycle, his research specializes in the solid-state chemistry of RPS fuels. His technology was used to produce the first new heat source design made in the United States in over 50 years, a strontium-90 titanate demonstration unit for Zeno Power systems. Chris received UDRI's Wohlleben-Hochwalt Award for Outstanding Professional Research for his work on understanding the lifetime behavior of radioisotope thermoelectric generators and the DOE Secretary's Honor Award for supporting the delivery of the MMRTG to Perseverance. In addition to the MMRTG program, Chris is supporting the development of NASA's Next Generation RTG, Zeno's Z2 heat source, and a UDRI designed Small RTG that would enable a new class of low power space missions.