

## **EDUCATION**

- Ph.D., University of Dayton, Mechanical Engineering, Dayton, OH
- M.S., Wright State University, Mechanical Systems Engineering, Dayton, OH
- B.S., West Virginia University, Aerospace Engineering, Morgantown, WV

Dr. Yerkes joined the Air Force Research Laboratory, Propulsion Directorate in 1990. During that time he has managed technical programs and conducted in house research in the area of thermal management for aerospace vehicles. Research activities have included in-house experimental research in the body force effects, due to acceleration and magnetic fields, on the interfacial thermophysics and macro- and micro-scale transport phenomena as related to the performance of thermal management concepts for high performance aircraft.

Dr. Yerkes served, for 5-years, as the Principal Scientist for the Energy/Power/Thermal Division within the AFRL Propulsion Directorate and overseeing the in-house and basic research activities for energy, power, and thermal.

Dr. Yerkes is currently the Energy Science and Integration Research Advisor within the Energy and Power Systems Branch of the Energy/Power/Thermal Division. He is currently focusing on in-house basic research in thermal management, thermodynamics, and integration sciences for power and electrical distribution system integration and V&V.