

Biographical Information



Andrew McIlroy, Ph.D.
Senior Manager
Livermore Valley Open Campus Development

Dr. Andrew McIlroy is the senior manager for Livermore Valley Open Campus (LVOC) Development. LVOC is a joint initiative of Sandia National Laboratories and Lawrence Livermore National Laboratory to create a transparently accessible, common campus for the two national security laboratories to foster enhanced interactions with domestic and international industrial and academic partners. In this role, he is responsible for developing the physical and operational infrastructure for LVOC and creating new programs that take advantage of LVOC.

Dr. McIlroy began his Sandia career in 1991 as a Combustion Research Facility (CRF) postdoctoral researcher studying chemical kinetics and laser diagnostics. He then joined The Aerospace Corporation in the Propulsion and Environmental Chemistry section. In 1997, Dr. McIlroy returned to Sandia as a member of the technical staff in the Combustion Chemistry and Diagnostics department, where he used advanced diagnostics to continue his explorations of combustion chemistry. He has since held a number of management positions in Sandia's Transportation Energy Center as the department manager for both the Combustion Chemistry and Diagnostics department and the Reacting Flows Research department and senior manager for Chemical Sciences, as well as acting director of the Materials Science Center.

Dr. McIlroy received a bachelor's degree in chemistry with honors and distinction from Harvey Mudd College in 1985 and a Ph.D. in chemical physics from the University of Colorado in 1991. He has published more than 30 peer-reviewed journal articles, co-chaired the DOE Basic Research Needs Workshop for Clean and Efficient Combustion of 21st Century Transportation Fuels, and coordinated the DOE Workshop on Predictive Simulation for Internal Combustion Engines.