

Driving Disruptive Technologies in an Innovation Ecosystem —A perspective from a U.S. National Lab

Kimberly S. Budil

Lawrence Livermore National Laboratory, U.S.A.

E-mail address: budil1@llnl.gov

As an essential bridge between government, academia, and industry, the U.S. national laboratory system was created in the wake of the Manhattan Project to steward advanced science and technology (S&T) and tackle challenges that have global impact. Significant advances in S&T spanning nano- to continuum scales have been realized—from exascale-class computers to gene-editing to fusion ignition, and with the advent of artificial intelligence, the pace of progress is accelerating. This talk will draw on examples from Lawrence Livermore National Laboratory that highlight how we are developing an innovation ecosystem which drives breakthroughs and meets the challenges of the 21st century.

LLNL-AB-862889

Prepared by LLNL under Contract DE-AC52-07NA27344.

Lawrence Livermore National Laboratory