



# DISCOVERY AND INNOVATION FOR PROSPERITY AND SECURITY

Argonne scientists and engineers make game-changing discoveries and inspire new technologies to meet the nation's most pressing needs for sustainable energy, economic competitiveness, and security.

Argonne has always been dedicated to meeting the world's energy challenges. Today, we are committed to finding solutions for numerous critical national priorities, including combatting climate change, meeting society's growing demands on energy and water resources, reducing the threat of nuclear proliferation, revitalizing aging infrastructure, protecting society from public health crises, and bolstering our economy. Argonne's unique suite of facilities and world-class expertise puts the lab at the forefront of collaborative efforts to create the discoveries and breakthroughs that will transform our society.

**3,723**

Full-time employees

**1,451**

Scientists and engineers

**366**

Postdocs



Argonne's Lemont campus covers 1,500 acres in Chicago's southwest suburbs.

**\$444 million**

Procurement in FY 2022

**\$1.1 billion**

Funding in FY 2022

**Paul K. Kearns**

Laboratory Director

**UChicago Argonne, LLC**

Operating Contractor





The Polaris testbed supercomputer provides researchers and developers with a powerful new platform to prepare for science in the era of exascale computing.

As a U.S. Department of Energy (DOE) Office of Science national laboratory, Argonne provides key science and technology breakthroughs to answer the greatest scientific, technological, and societal challenges facing our nation. Our work encompasses:

- **Basic science** that expands human knowledge of the physical universe and enables the technologies of the future.
- **Advanced computation and analysis** that integrates next-generation supercomputing and artificial intelligence to make possible discovery and innovation beyond our current abilities and inform decisions about complex technological and societal issues.
- **Engineering advanced technologies** to drive solutions across a range of areas including clean energy and decarbonization, microelectronics, and quantum information science.

## COLLABORATION

Argonne is a global and national convener and collaborator involved in partnerships with leading industries, organizations, government agencies, and universities. These partnerships make use of Argonne’s sophisticated scientific facilities to solve problems too large for any one institution or organization to take on by itself.

These collaborations address critical challenges in areas ranging from developing new materials and energy technology concepts to meeting human needs for clean water and disease prevention to unlocking the basic secrets of the universe.

Argonne’s achievements and team-based culture reflect the influence of the University of Chicago and its tradition of rigorous intellectual inquiry. Argonne and the University share dozens of joint programs and hundreds of joint appointments of individuals who conduct research at both institutions. Additionally, Argonne’s office in Chicago positions the laboratory as a key resource for inclusive innovation with a concentration on helping drive economic development in nine surrounding communities.

## SCIENTIFIC USER FACILITIES

Argonne is known for its unparalleled suite of experimental and computing facilities, used by scientists and engineers from the laboratory and organizations across the country and around the world.

Argonne operates six national user facilities that offer extraordinary insights into the structure of matter and physical, biological, and societal processes:

- **Advanced Photon Source**
- **Argonne Leadership Computing Facility**
- **Argonne Tandem Linac Accelerator System**
- **Atmospheric Radiation Measurement Facility—Southern Great Plains and ARM Mobile Facility Three Observatories**
- **Center for Nanoscale Materials**
- **Intermediate Voltage Electron Microscope**

In FY 2022, 7,641 researchers used these facilities to conduct groundbreaking studies in nearly every field of science and engineering. The first five facilities are supported by the DOE Office of Science and the sixth by the DOE Office of Nuclear Energy.

## MAKING AN IMPACT

As they look to the future, Argonne researchers continue to set their sights on the most compelling questions in science and technology, and remain committed to making discoveries and finding solutions that make a real difference in the world.

## CONTACT

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