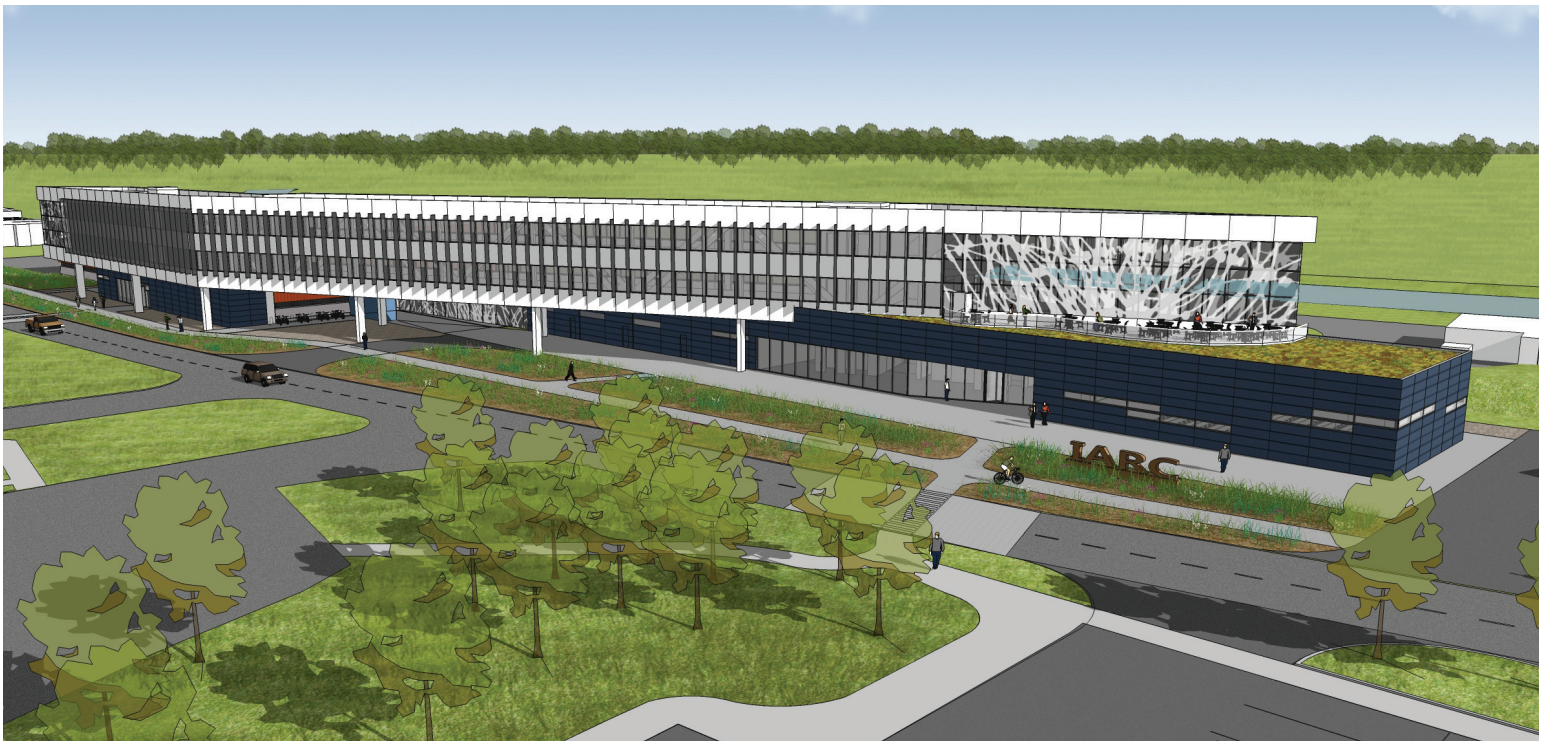
Science at Fermilab

Illinois Accelerator Research Center

Developing breakthroughs in accelerator science and translating them into applications for the nation's health, wealth and security.



The Illinois Accelerator Research Center, or IARC, will provide a state-of-the-art facility for accelerator research, education and industrialization. Scientists and engineers from Fermilab, Argonne and Illinois universities will work side by side with industrial partners to develop breakthroughs in accelerator technology and its applications in energy and environment, medicine, industry, national security and discovery science. Funding for IARC is provided by the Illinois Department of Commerce and Economic Opportunity and the U.S. Department of Energy's Office of High Energy Physics.

The IARC Facility

- Located on the Fermilab campus, a new building will house 42,000 square feet of technical, office and classroom space. The facility will provide space for both Fermilab and Argonne staff as well as industrial partners.
- IARC will have areas for test accelerators, cryogenics infrastructure, temperature controlled workspaces, high capacity electrical power systems and industrial cooling water.
- The facility will be optimized for use by private industry and the development of advanced accelerator technology.

Opportunities for Illinois

- In a partnership between the Illinois Department of Commerce and Economic Opportunity and the U.S. Department of Energy's Office of High Energy Physics, IARC will provide the opportunity for Illinois to become a world leader in accelerator technology.
- With a strong focus on innovation and industrialization, IARC will attract high-tech companies and train Illinois citizens to develop advanced technology with applications in medicine, materials science and nuclear energy.
- As an educational center and working with science programs at nearby universities, IARC will offer advanced educational opportunities to Illinois and attract scholars from around the world. These top scientists will perform world-class research, educate and mentor Illinois students.

More information is available at:
http://www.fnal.gov/pub/iarc/

Above: Artist's rendering of the Illinois Accelerator Research Center