THE Ames Laboratory

Creating Materials & Energy Solutions

Key Facts

Ames Laboratory administrative offices

Ames Laboratory creates innovative materials, technologies and energy solutions. We use our expertise, unique capabilities and interdisciplinary collaborations to solve global challenges.

Basic Research: Ames Lab is at the forefront of materials research, high-performance computing and analytical science. The Lab's research falls within seven program areas: Materials Science and Engineering; Applied Mathematics and Computational Sciences; Biological and Environmental Research; Chemical and Biological Sciences; Environmental and Protection Sciences; Simulation, Modeling and Decision Science; and Nondestructive Evaluation.

Applied & Sponsored Research: The Lab directs the development of applied technologies and effects the transfer of these technologies to industry and other federal agencies.

Specialized Research Resources: The Materials Preparation Center provides high-purity materials and unique characterization services to scientists at university, industry and government facilities. Other specialized research resources are focused on forensics, biorenewable resources, catalysis, scalable computing and physical and computational mathematics.

Science Education: We inspire future generations by exciting them about science. Through our programs we provide a continuum of opportunity for K-12 students and teachers, and undergraduate and graduate students. Graduate and undergraduate students make up approximately 20 percent of the Laboratory's workforce.

Alex King became the director of the Ames Laboratory on Jan. 1, 2008. Prior to that, he was a professor and head of the School of Materials Engineering at Purdue University. He has also been a faculty member in the Department of Materials Science and Engineering at the State University of New York at Stony Brook and served as Vice Provost for Graduate Studies at Stony Brook. King holds a B.Met. in physical metallurgy from the University of Sheffield, England, and a D.Phil. in metallurgy and the science of materials from the University of Oxford. He is a fellow of the American Society of Materials and the Institute of Materials of the United Kingdom. He was a visiting fellow of the Japan Society for the Promotion of Science in 1996 and a Jefferson Science fellow in the U.S. Department of State from 2005 to 2006.

BASIC AMES LABORATORY FACTS

Work force:
400 full-and part-time employees

Scientific staff:
250 scientists and engineers

Annual budget: $32 million

Location: Located on the Iowa State University campus in Ames, Iowa

Web site: www.ameslab.gov

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