



GET SOME “MATERIAL” FACTS ABOUT THE AMES LABORATORY

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Materials are the stuff that makes up our world, the very substance of the technologies we depend upon every day. And materials research is what makes the U.S. Department of Energy’s Ames Laboratory a scientific powerhouse.

Our 260 scientists are in a constant quest for solutions to energy challenges-- like hydrogen storage, biofuels processes, organic LEDs, and superconductors, to name just a few--- through the exploration of materials science, physics, chemistry, engineering, applied mathematics, and high performance computing.

The Ames Laboratory is:

- ◆ Led by Director Adam Schwartz since June 2014. Formerly a division leader of Condensed Matter and Materials at Lawrence Livermore National Laboratory, his research background is in advanced characterization and dynamic properties of materials.
- ◆ The developer of the process to produce high-purity uranium for the Manhattan Project, supplying 2 million pounds.
- ◆ The winner of 16 R&D 100 Awards, the “Oscar of Applied Science” for promising new technologies.
- ◆ Home to materials scientist Danny Shechtman, who won the 2011 Nobel Prize in Chemistry for the discovery of quasicrystals.
- ◆ Innovator of a list of technology advances, from lead-free solder to multiplexed capillary electrophoresis to boron-aluminum-magnesium (BAM) alloy.
- ◆ One of 17 national laboratories of the U.S. Department of Energy, with a \$50 million annual budget.
- ◆ Home to the Critical Materials Institute, the DOE’s newest Energy Innovation Hub.



THE Ames Laboratory
Creating Materials & Energy Solutions
U.S. DEPARTMENT OF ENERGY