Los Alamos National Laboratory Operated by LANS, LLC for the U.S. Department of Energy

ACSESS 2013 Industry-Academia Interaction Antonio Redondo Theoretical Division Los Alamos National Laboratory

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Los Alamos National Laboratory

The **laboratory of choice** when our nation faces the most **complex security challenges**



Supporting Nuclear Deterrence

Supercomputers simulate nuclear weapons performance—scientists then experiment to refine and verify data—to assure effectiveness of our deterrent without nuclear testing.



Reducing Global Threats

From epidemics to terrorist attacks, cyber security sabotage to energy security, LANL has unique capabilities that focus on identifying, anticipating, and responding to emerging threats.



Fostering Energy Security

Protecting our energy infrastructure while developing clean, sustainable energy sources are key areas of research and technology to ensure a secure future.



Los Alamos National Laboratory



The nation turns to us for solutions to the most complex national security technical challenges of our times, whether a threat may be nuclear, biological, or chemical.

Accelerators, Electrodynamics »

Bioscience, Biosecurity, Health »

Chemical Science »

Earth, Space Sciences »

Energy »

Engineering »

High-Energy-Density Plasmas, Fluids »

Information Science, Computing, Applied Math »

Materials Science »

National Security, Weapons Science »

Nuclear & Particle Physics, Astrophysics, Cosmology »

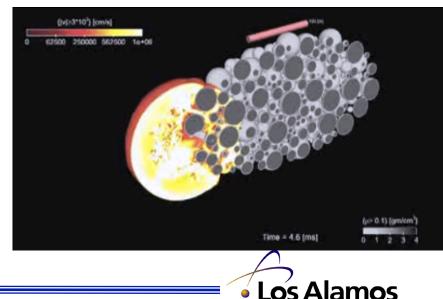
Sensors, Instrumentation Systems »

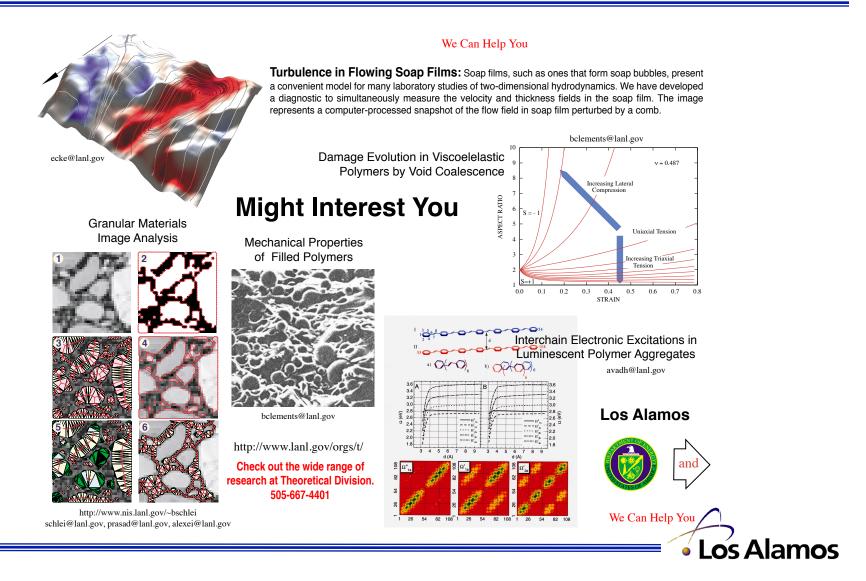


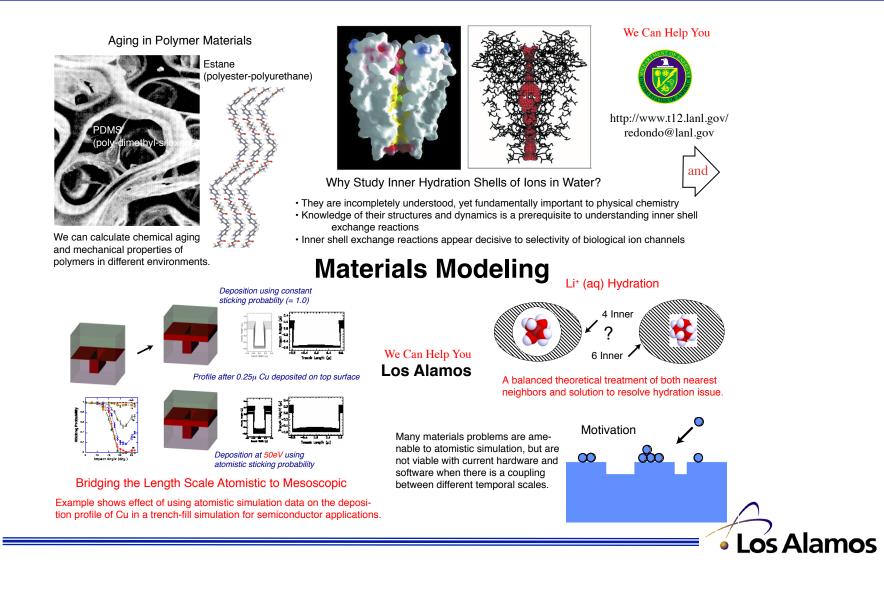
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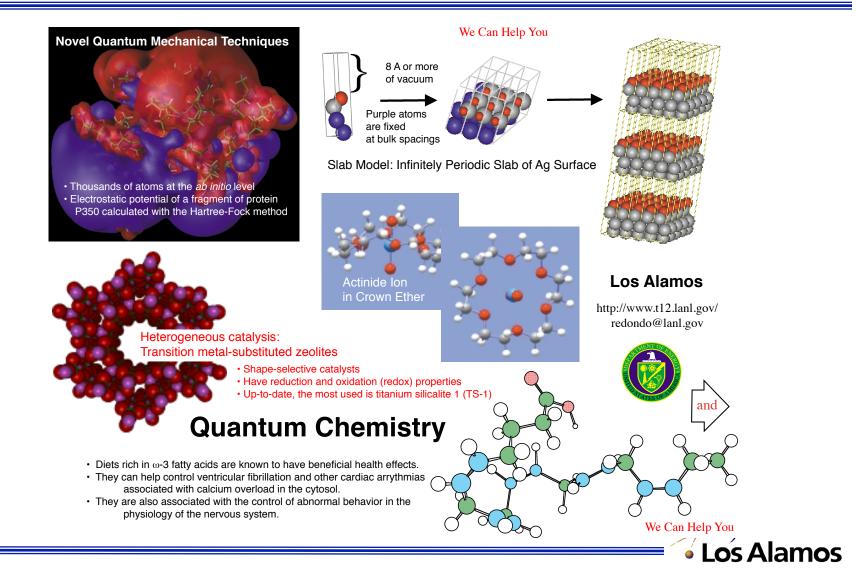
 LANL has one of the largest supercomputing centers on the planet, with massive resources for both classified and unclassified scientific simulation, along with worldclass computational physicists, computer scientists, and mathematicians. The result is a unique and tight integration of theory, modeling, and computational science.

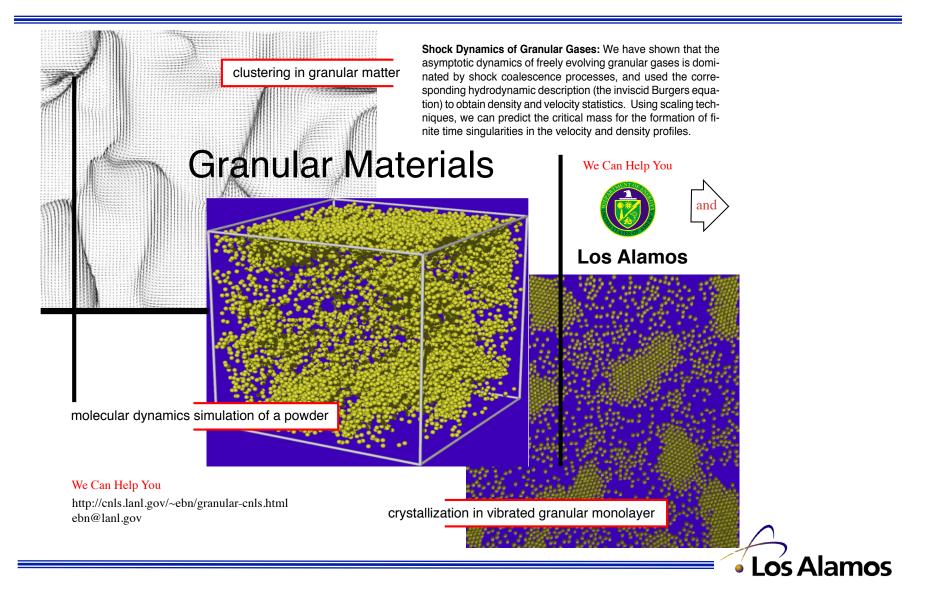












How can you learn more?

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