Frontiers in Science Lectures focus on saving energy through superconductivity

June 12, 2009

LOS ALAMOS, New Mexico, June 12, 2009—Los Alamos National Laboratory scientist Dean Peterson discusses the science of high-temperature superconductivity in a series of Frontiers in Science lectures starting June 16 at the Duane W. Smith Auditorium at Los Alamos High School.

In the talk, titled “Lost In Transmission: Saving Energy With Superconductivity,” Peterson, of the Laboratory’s Superconductivity Technology Center, discusses applications ranging from high-speed trains levitated by superconducting magnets to underground cables that can virtually eliminate the 10 percent of transmitted energy that is now lost to resistive heating.

“Superconductors are special materials with zero electrical resistance. They have the potential to significantly enhance our ability to generate, transmit, use, and store energy,” said, Peterson, who plans to repeat the lecture on the following dates:

- June 18, New Mexico Museum of Natural History and Science
  1801 Mountain Road N.W.,
  Albuquerque
- June 23, James A. Little Theater,
  New Mexico School for the Deaf
  1060 Cerrillos Road,
  Santa Fe
- June 25, Nick Salazar Center for the Arts, Northern New Mexico College,
  921 Paseo De Oñate,
  Española.

All the talks begin at 7 p.m.

The Frontiers in Science lecture series is sponsored by the Fellows of Los Alamos National Laboratory. Frontiers in Science lectures are intended to increase local public awareness of the diversity of science and engineering research at the Laboratory.

For more information, contact Linda Anderman of the Community Programs Office at (505) 665-9196 or anderman@lanl.gov by e-mail.