

Frontiers In Science



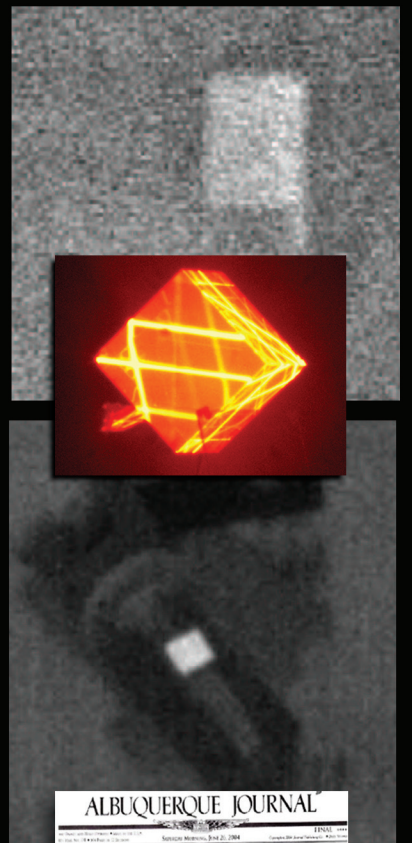
Public Lecture Series

Sponsored by the Fellows of Los Alamos National Laboratory



Richard Epstein

Space Science and Applications Group



Chilling Out With Lasers The Science of Optical Refrigeration

Some electronic devices (including some important ones used on satellites) can only work when cooled to far below room temperatures. This has created a need for compact, reliable coolers that can be used in space and on earth. This talk will describe one approach to developing these devices: optical refrigeration. Optical refrigeration uses the counter-intuitive principle that laser light can chill some special materials to exceedingly frigid temperatures.

Tuesday, 19 September 2006 at 7:00 p.m.

The New Mexico Museum of Natural History and Science

1801 Mountain Road NW, Albuquerque

Thursday, 21 September 2006 at 7:00 p.m.

Duane W. Smith Auditorium

Los Alamos High School

1300 Diamon Drive

Tuesday, 26 September 2006 at 7:00 p.m.

James A. Little Theater, New Mexico School for the Deaf

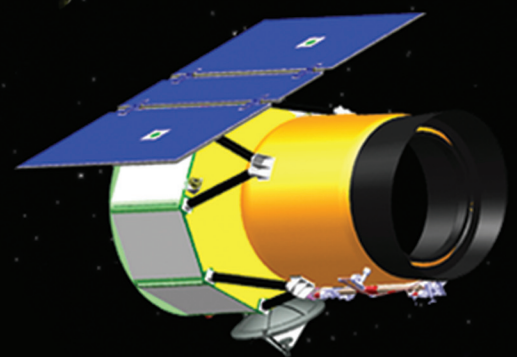
1060 Cerrillos Road, Santa Fe

Thursday, 28 September 2006 at 7:00 p.m.

Taos Convention Center

El Taoseño Room

120 Civic Plaza Drive



Admission is Free

<http://www.lanl.gov/science/fellows/lectures.shtml>

For further information, contact Linda Anderman at the Community Programs Office at (505) 665-9196 or anderman@lanl.gov.