## The Beams and Applications Seminar Series

# *Superconducting RF Activities at Los Alamos*

## *- My 5 years of experience*

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***Los Alamos National Laboratory***

**Bldg. 401, room B2100**
**Friday, April 8, 1:30 pm**

Host: Kenneth W. Shepard, PHY

Since I moved from High Energy Accelerateor Research Organization (KEK) in May 2000 after 15 years of my tenure at KEK, I have been working at the Los Alamos Neutron Science Center (LANSCE) as the Team Leader for the Superconducting Structures Laboratory. I have been involved in the measurements of six 5-cell 700-MHz beta=0.64 elliptical cavities for the Accelerator Production of Tritium (APT) project, beta=0.3 and 0.175 spoke cavities measurements for the Advanced Accelerator Applications (AAA) project and new materials research aiming at the application to the SRF cavities especially magnesium diboride (MgB2) that has the transition temperature of 39 K and is found to have lower BCS resistance than Nb at 4 K. My talk will include the results of these activities together with the Los Alamos facilities for the Superconducting RF activities.

**For more information visit**
http://www.aps.anl.gov/asd/physics/seminar.html

Visitors from off-site please contact Yuelin Li
(ylli@aps.anl.gov, 630-252-7863) to arrange for a gate pass.

This ANL seminar series is a CARA activity and focuses on the physics, technology and applications of particle and photon beams. It is sponsored jointly by the ASD Division, the AWA group of the HEP Division, and the ATLAS group of the PHY Division.