

# ADVANCED PHOTON SOURCE ACCELERATOR SYSTEMS DIVISION

## *Seminar Announcement*

### Superconducting Generators of Synchrotron Radiation: Magnetic and Cryogenic Systems

Nikolay Mezentsev  
Budker Institute of Nuclear Physics

Friday, December 14, 2012 at 1:30 p.m. in A1100

#### Abstract:

The first superconducting insertion devices were designed, fabricated, and installed on electron storage rings more than 30 years ago for generation of synchrotron radiation. Since then, a wide experience of manufacturing and use of such superconducting (SC) insertion devices as SC wave length shifters, multipole wigglers, and superbends is accumulated. A review of some technical aspects of cryogenic and magnetic systems is given in the report.