

9th Meeting of the NSLS-II Accelerator Systems Advisory Committee

**Feb 1-2, 2012
Building 817 Conference Room 4**

The NSLS-II project continues to make excellent progress on construction of the Conventional Facilities, production and installation for the Accelerator Systems and procurement of the six insertion device project beamlines. The project is over 68% complete and the Ring Building is scheduled to be completed in January 2012. Installation of the accelerator components in the Ring Building is progressing and the project is currently on-track to meet the early completion milestone date of June 2014, 12 months ahead of schedule.

As we continue on installation phase of the project, the ASAC is requested to review and assess the recent progress and near-term plans in Accelerator Systems in terms of technical and schedule performance and adequacy of planned manpower for future activities. Specifically provide advice in the following areas:

- Is there sufficient progress with storage ring magnet production so that the end of production can be forecasted and are the schedule mitigation plans which are being implemented still adequate to prevent major project delay?
- Assess the status of magnet-girder-vacuum integration with regard to the plan to complete girder installation by the end of 2012 and start commissioning in June 2013.
- Is there sufficient progress with LINAC, Booster, Beam-transfer line and pulsed magnet systems to complete all these systems well before storage ring commissioning in June 2013?
- Assess the progress of accelerator installation. Are installation and integrated testing planned to sufficient detail and are labor resources and schedule realistic?
- Is there sufficient progress with the RF systems, the control systems, beam position monitor systems and other critical diagnostic?
- Is there sufficient progress on the project insertion devices?
- Is the commissioning plan sufficiently detailed with realistic manpower and schedule?
- Comment on the state of planning for accelerator operations

The Committee's assessments on these topics will provide valuable input for the project. The committee is kindly requested to formulate its response in a written report which is expected to be received by March 2, 2012.