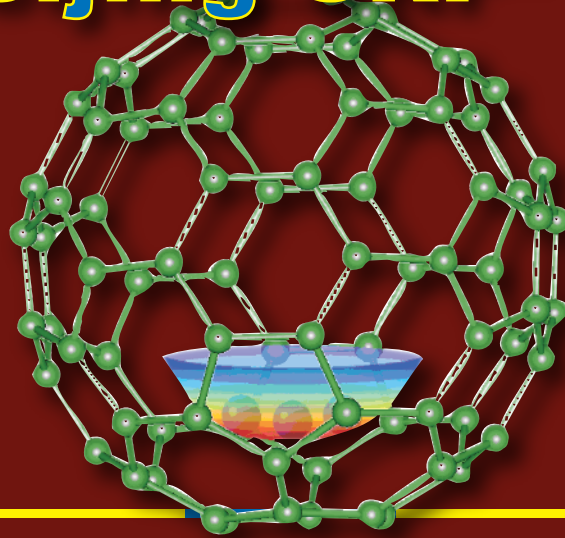


Ziyu Wu

“Nanotubes, Fullerenes, and the Beijing SRF”

Professor Ziyu Wu is scientific director of the Beijing Synchrotron Radiation Facility and the vice chairman of the Synchrotron Radiation Committee of China. He holds a Ph.D. in physics from the University of Science and Technology of China and worked for 13 years at the Laboratori Nazionali di Frascati of the Istituto Nazionale di Fisica Nucleare. Prof. Wu's research focuses on theoretical and experimental aspects of x-ray absorption spectroscopy and photoelectron spectroscopy, particularly as they apply to current problems in nanoscience.



The Beijing Synchrotron Radiation Facility (BSRF) has been open to users since 1991. Currently, there are a total of 9 beamlines and 11 experimental stations in operation. Professor Wu will discuss the current status of the BSRF and present highlights from the BSRF research program. These include recent studies of proteins adsorbed onto single-walled carbon nanotubes, and the dynamical behavior of metal ions embedded in "buckyball" metallofullerenes. The ability of x-ray absorption near-edge structure spectroscopy to detect local chemical bonding and disorder at the interface of these bio-nano complexes provides a fundamental fingerprint of the local structure in these fascinating nanostructures.

NOTE NEW DATE: Wednesday, November 1, 2006

3:00 p.m.

Bldg. 402, APS Auditorium • Argonne National Laboratory

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