



Distinguished scientists in all disciplines are invited to lecture on topics of general interest. Objectives include the cross-fertilization of research initiatives at various institutions and the identification of possible uses of the Advanced Photon Source.

When: First Wednesday of each month at 3:00 p.m.

Where: Building 402, APS Auditorium

Refreshments served at 2:45 p.m.

April 2, 2003

Michael G. Rossmann

Purdue University

**"The Development of Single Crystal Diffraction Data Collection
at Synchrotrons"**

Michael Rossmann is the Hanley Professor of Biological Sciences in the Department of Biological Sciences and is a professor in the Department of Biochemistry at Purdue University. He is a member of the National Academy of Sciences, a foreign member of the Royal Society of London, was nominated by President Clinton to serve on the National Science Board and received the Ewald Prize from the International Union of Crystallography in 1996.

Professor Rossmann's pioneering work includes determination of the three-dimensional structure of viruses where he solved the structures of several specific viruses. He has made fundamental contributions in using synchrotrons and single crystal diffraction to determine viral structure. His talk will focus on the history of single crystal diffraction at synchrotrons and give examples of structures determined using the technique.

http://www.aps.anl.gov/conferences/APSColloquium/aps_colloquium.html