

## Appendix 5

### Bibliography of Publications Produced for APS Users

#### CAT Communicator

CAT Communicator, Vol. I, No. 1, September 1990  
CAT Communicator, Vol. I, No. 2, November 1990  
CAT Communicator, Vol. II, No. 1, February 1991  
CAT Communicator, Vol. II, No. 2, October 1991  
CAT Communicator, Vol. III, No. 1, January 1992  
CAT Communicator, Vol. III, No. 2, February 1992  
CAT Communicator, Vol. III, No. 3, May 1992  
CAT Communicator, Vol. III, No. 4, September 1992  
CAT Communicator, Vol. IV, No. 1, January 1993  
CAT Communicator, Vol. IV, No. 2, April 1993  
CAT Communicator, Vol. IV, No. 3, October 1993  
CAT Communicator, "Special Edition," December 15, 1993  
CAT Communicator, Vol. V, No. 1, April 1994  
CAT Communicator, Vol. V, No. 2, November 1994  
CAT Communicator, Vol. VI, No. 1, March 1995  
CAT Communicator, Vol. VI, No. 2, July 1995  
CAT Communicator, Vol. VI, No. 3, October 1995  
CAT Communicator, Vol. VII, No. 1 (in preparation)

#### Conference Proceedings

*Proceedings of the First Users Meeting for the Advanced Photon Source, ANL/APS-CP-1*  
(February 1988)  
*Proceedings of the Second Users Meeting for the Advanced Photon Source, ANL/APS-CP-2*  
(November 1988)  
*Proceedings of the Third Users Meeting for the Advanced Photon Source, ANL/APS-CP-3*  
(June 1990)  
*Proceedings of the Conference on Advanced X-ray/EUV Radiation Sources and Applications,*  
Eds. J.P. Knauer and G.K. Shenoy, SPIE Vol. **1345** (1990)  
*Proceedings of the Fourth Users Meeting for the Advanced Photon Source, ANL/APS-CP-4*  
(February 1992)  
*Proceedings of the Conference on High Heat Flux Engineering,* Ed. A.M. Khounsary, SPIE  
Vol. **1739** (1992)  
*Proceedings of the Fifth Users Meeting for the Advanced Photon Source, ANL/APS-CP-5*  
(December 1992)

*Proceedings of the Conference on High Heat Flux Engineering II*, Ed. A.M. Khounsary, SPIE Vol. **1997** (1993)

*Proceedings of the Sixth Users Meeting for the Advanced Photon Source*, ANL/APS-CP-6 (December 1994)

*Proceedings of the Conference on Radiation Instrumentation (SRI-95)*, Eds. G.K. Shenoy and J. Dehmer, CD ROM Supplement to the Review of Scientific Instruments (American Insitute of Physics, 1996)

## **Workshop Reports**

*X-Ray Synchrotrons and the Development of New Materials: Workshop Report*, ANL/APS-TM-1 (February 1988)

*Time-Resolved Studies and Ultrafast Detectors: Workshop Report*, ANL/APS-TM-2 (February 1988)

*Synchrotron X-Ray Sources and New Opportunities in Earth Sciences: Workshop Report*, ANL/APS-TM-3 (April 1988)

*Chemical Applications of Synchrotron Radiation: Workshop Report*, ANL/APS-TM-4 (April 1989)

*Workshop on High Heat Load X-Ray Optics*, ANL/APS-TM-6 (January 1990)

*Synchrotron X-Ray Sources and New Opportunities in the Soil and Environmental Sciences: Workshop Report*, ANL/APS-TM-7 (July 1990)

*Atomic Physics at the Advanced Photon Source: Workshop Report*, ANL/APS-TM-8 (October 1990)

*Applications of Synchrotron Radiation to Chemical Engineering Science*, ANL/APS-TM-9 (July 1991)

*Working Group Summary Reports from the Advanced Photon Source Reliability Workshop*, ANL/APS-TM-10 (May 1992)

*Poster Session: Fifth Users Meeting for the Advanced Photon Source*, ANL/APS-TM-11 (November 1992)

*1993 CAT Workshop on Beamline Optical Designs*, ANL/APS-TM-12 (November 1993)

*International Workshop on Magnetic Measurements of Insertion Devices*, ANL/APS-TM-13 (October 1993)

*Atomic Physics at High Brilliance Synchrotron Sources*, ANL/APS-TM-14 (August 1994)

*Detectors for Third-Generation Synchrotron Sources: Workshop Report*, ANL/APS-TM-15 (December 1994)

*Atomic Physics with Hard X-rays from High Brilliance Synchrotron Light Sources*, ANL/APS/TM-16 (August 1996)

## Technical Bulletins

- Characteristics of the 7-GeV Advanced Photon Source: A Guide for Users*, G.K. Shenoy, P.J. Viccaro, and D.M. Mills, ANL-88-9 (February 1988)
- APS Undulator and Wiggler Sources: Monte-Carlo Simulation*, S. L. Xu, B. Lai, and P. J. Viccaro, ANL/APS/TB-1 (February 1992)
- Use of a Mirror as the First Optical Component for an Undulator Beamline at the APS*, W. Yun, A. Khounsary, B. Lai, and E. Gluskin, ANL/APS/TB-2 (September 1992)
- Undulator A Characteristics and Specifications*, B. Lai, A. Khounsary, R. Savoy, L. Moog, and E. Gluskin, ANL/APS/TB-3 (February 1993)
- APS High Heat Load Monochromator*, W.-K. Lee and D. M. Mills, ANL/APS/TB-4 (February 1993)
- Functional Description of APS Beamline Front Ends*, T. M. Kuzay, ANL/APS/TB-5 (February 1993)
- APS X-Ray Optics Fabrication and Characterization Facility*, S. Davey, ANL/APS/TB-6 (February 1993)
- Guide to Beamline Radiation Shielding Design at the Advanced Photon Source*, N. Ipe, D. R. Haeffner, E. E. Alp, S. C. Davey, R. J. Dejus, U. Hahn, B. Lai, K. J. Randall, and D. Shu, ANL/APS/TB-7 (November 1993)
- CAT Questions and Answers*, ANL/APS/TB-8 (February 1993)
- APS Sector Layout: Utilities, Etc.*, S. Davey, ANL/APS/TB-9 (February 1993)
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- Report on the Value Engineering Workshop on APS Beamline Front Ends*, T. M. Kuzay, ANL/APS/TB-13 (January 1993)
- APS Beamline Design and Construction Requirements: A Reference Manual for Designers and Builders, version 1.0*, ANL/APS/TB-14 (May 1994)
- APS User Guide: What you need to work at the APS, version 2.0*, ANL/APS/TB-15 (October 1995)
- Advanced Photon Source Accelerator Utrahigh Vacuum Guide*, C. Liu and J. Noonan, ANL/APS/TB-16 (March 1994)
- Undulator A Characteristics and Specifications: Enhanced Capabilities*, R. Dejus, B. Lai, E. Moog, and E. Gluskin, ANL/APS/TB-17 (May 1994)
- The Cryogenic Cooling Program at the Advanced Photon Source*, C. S. Rogers, D. M. Mills, and L. Assoufid, ANL/APS/TB-18 (June 1994)
- A Finite Element Analysis of Room Temperature Silicon Crystals for the APS Bending-Magnet and Insertion-Device Sources*, L. Assoufid, W.-K. Lee, and D. M. Mills, ANL/APS/TB-19 (August 1994)
- Bremsstrahlung Scattering Calculations for the Beam Stops and Collimators in the APS Insertion-Device Beamlines*, P. K. Job, D. R. Haeffner, and D. Shu, ANL/APS/TB-20 (December 1994)

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- Radiation Shielding of Insertion-Device Beamlines Using a Mirror as the First Optical Element*, W. Yun, B. Lai, K. J. Randall, S. Davey, D. R. Haeffner, P. K. Job, and D. Shu, ANL/APS/TB-21 (February 1995)
- Magnetic Measurements of the Elliptical Multipole Wiggler Prototype*, D. Frachon, I. Vasserman, P. M. Ivanov, E. A. Medvedko, E. Gluskin, and N. A. Vinokurov, ANL/APS/TB-22 (March 1995)
- APS User Safety Guide: A reference for work at the APS*, ANL/APS/TB-23 (October 1995)
- Diamond Monochromators for APS Undulator-A Beamlines*, R. C. Blasdell, L. A. Assoufid, and D. M. Mills, ANL/APS/TB-24 (September 1995)
- The Advance Photon Source - A National Synchrotron Radiation Research Facility at Argonne*, ANL/APS/TB-25 (October 1995)
- The Advanced Photon Source List of Parameters*, compiled by Hana M. Bizek, ANL/APS/TB-26 (July 1996)
- The Integral Equation for a High Gain FEL*, N. A. Vinokurov, ANL/APS/TB-27 (July 1996)