

List of Publications

William Monroe Lavender

- “Recent Developments for the MX Beamline Control Toolkit”, W. M. Lavender, NOBUGS 2004 Conference, Paul Scherrer Institut, Villigen PSI, Switzerland (2004).
- “Materials Science and Protein Crystallography Using the MX Beamline Control Toolkit”, W. M. Lavender, NOBUGS 2002 Conference, National Institute of Standards and Technology, Gaithersburg, MD, USA (2002).
- “MX: A Portable Data Acquisition and Control Toolkit”, W. M. Lavender, NOBUGS III Conference, Daresbury Laboratory, UK (2000).
- “MX: A Beamline Control System Toolkit”, W. M. Lavender, Eleventh US National Synchrotron Radiation Instrumentation Conference, AIP Conference Proceedings **521**, 332 (2000).
- “The MRCAT Insertion Device Beamline at the Advanced Photon Source”, C. U. Segre, N. E. Leyarowska, L. D. Chapman, W. M. Lavender, P. W. Plag, A. S. King, A. J. Kropf, B. A. Bunker, K. M. Kemner, P. Dutta, R. S. Duran, J. Kaduk, Eleventh US National Synchrotron Radiation Instrumentation Conference, AIP Conference Proceedings **521**, 419 (2000).
- “Bronchial imaging in humans using xenon K-edge dichromography”, J. C. Giacomini, H. Gordon, R. O’Neil, A. Van Kessel, B. Cason, D. Chapman, W. Lavender, N. Gmur, R. Menk, W. Thomlinson, Z. Zhong, E. Rubenstein, Nuclear Instruments and Methods **A406**, 473 (1998).
- “Effects of spatial resolution and spectral purity on transvenous coronary angiography images”, D. Chapman, W. C. Thomlinson, N. F. Gmür, J. P. Dervan, T. Stavola, J. Giacomini, H. Gordon, E. Rubenstein, W. Lavender, C. Schulze, A. C. Thompson, Review of Scientific Instruments **66**, 1329 (1995).
- “NSLS transvenous coronary angiography beamline upgrade and advanced technology initiatives”, N. F. Gmür, D. Chapman, W. Thomlinson, A. C. Thompson, W. M. Lavender, K. Scalia, N. Malloy, J. Mangano, J. Jacob, Review of Scientific Instruments **66**, 1357 (1995).
- “A 1200 element detector system for synchrotron-based coronary angiography”, A. C. Thompson, W. M. Lavender, D. Chapman, N. Gmür, W. Thomlinson, V. Rosso, C. Schulze, E. Rubenstein, J. C. Giacomini, H. J. Gordon, J. P. Dervan, Nuclear Instruments and Methods **A347**, 545 (1994).
- “A compact radiation source for digital subtractive angiography”, H. Wiedemann, M. Baltay, R. Carr, M. Hernandez, W. Lavender, Nuclear Instruments and Meth-

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- “Synchrotron radiation coronary angiography in humans”, E. Rubenstein, G. S. Brown, D. Chapman, R. F. Garrett, J. C. Giacomini, N. Gmür, H. J. Gordon, W. M. Lavender, J. Morrison, W. Thomlinson, A. C. Thompson, H. Zeman, in *Synchrotron Radiation in the Biosciences*, B. Chance, et. al., eds., Oxford University Press, 639 (1994).
- “Synchrotron-radiation spectra”, G. Brown, W. Lavender, in *Handbook on Synchrotron Radiation*, G. Brown and D. E. Moncton, eds., Elsevier Science Publishers, vol. 3, 37 (1991).
- “The SSRL Injector Beam Position Monitoring Systems”, W. Lavender, S. Baird, S. Brennan, M. Borland, R. Hettel, H.-D. Nuhn, R. Ortiz, J. Safranek, J. Sebek, C. Wermelskirchen, J. Yang, 1991 IEEE Particle Accelerator Conference, vol. 2, 1151 (1991).
- “The SSRL Injector Control System”, C. Wermelskirchen, S. Brennan, T. Götz, W. Lavender, R. Ortiz, M. Picard, J. Yang, 1991 IEEE Particle Accelerator Conference, vol. 3, 1383 (1991).
- “The Control and Operation of the Programmable Wave Form Generator for the SSRL Injector”, S. Brennan, S. Baird, W. Lavender, H.-D. Nuhn, C. Wermelskirchen, J. Yang, 1991 IEEE Particle Accelerator Conference, vol. 3, 1476 (1991).
- “The 3 GeV Synchrotron Injector for SPEAR”, H. Wiedemann, M. Baltay, J. Voss, K. Zuo, C. Chavis, R. Hettel, J. Sebek, H.-D. Nuhn, J. Safranek, L. Emery, M. Horton, J. Weaver, J. Haydon, T. Hostetler, R. Ortiz, M. Borland, S. Baird, W. Lavender, P. Kung, J. Mello, W. Li, H. Morales, L. Baritchi, P. Golceff, T. Sanchez, R. Boyce, J. Cerino, D. Mostowfi, Df. Wang, D. Baritchi, G. Johnson, C. Wermelskirchen, B. Youngman, C. Jach, J. Yang, R. Yotam, 1991 IEEE Particle Accelerator Conference, vol. 5, 2688 (1991).
- “Observation of X-Ray Undulator Radiation on PEP”, W. Lavender, G. Brown, T. Troxel, R. Coisson, *Review of Scientific Instruments* **60**, 1414 (1989).
- “ ^{57}Fe -YIG: Narrow X-Ray Linewidth Epitaxial Layers on $\text{Gd}_3\text{Ga}_5\text{O}_{12}$ ”, D. M. Gualtieri, W. Lavender, S. L. Ruby, *Journal of Applied Physics* **63**, 3795 (1988).
- “High-Gain Multigap Avalanche Detectors for Cerenkov Ring Imaging”, R. S. Gilmore, W. M. Lavender, D. W. G. S. Leith, S. H. Williams, *IEEE Transactions on Nuclear Science* **28**, 435 (1981).