

PUBLICATIONS

- Bankman, I. N., and Christens-Barry, W. A. (APL), Weinberg, I. N., and Kim, D. W. (JHMI), Semmel, R. D. (APL), and Brody, W. R. (JHMI), "An Algorithm for Early Breast Cancer Detection in Mammograms," in *Proc. 5th Annual IEEE Computer-Based Medical Systems Symp.*, Los Alamitos, Calif., pp. 362-369 (1992).
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PRESENTATIONS

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- Bohandy, J., Kim, B. F., Adrian, F. J., and Moorjani, K., "Evidence for Weak Link Effects in Epitaxial Thin Films of YBCO on LaA10₃," Materials Research Society Spring Meeting, San Francisco, Calif. (27 Apr-1 May 1992).
- Braunstein, A. P., "Library Management System for Version 7 Mentor Graphics Software," Mid-Atlantic Mentor User's Group, Kossiakoff Center, Laurel, Md. (27 May 1992).
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- Fristrom, R. M., "Fire Chemistry," Seminar: Department of Fire Science, University of Lund, Lund, Sweden (20 May 1992).
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- , "Flame Studies," Seminar: Department of Chemical Engineering, Imperial College, London, England (1 Jun 1992).
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- Kim, B. F., Moorjani, K., Adrian, F. J., and Bohandy, J., "Magnetically Modulated Resistance Response of Weak Links in Superconductors," SC Global 92—International Superconductor Applications Convention, San Diego, Calif. (29-31 Jan 1992).
- Ku, H. C., "Numerical Simulation of Stratified Flow: Jet, Wake Collapse, Double Diffusion and Wake Vortex Motion," Seminar at the University of Delaware, Department of Marine Science, Newark, Del. (8 May 1992).
- Lee, D. G., Jr., "Introduction to Designing and Programming with Programmable Logic Devices (PLDs)," April Meeting of the Baltimore Chapter of the ACM, Baltimore (28 Apr 1992).
- , "Early Experiences Using Mentor Graphics Software with X Windows," Mid-Atlantic Mentor User's Group, Kossiakoff Center, Laurel, Md. (27 May 1992).
- Lopez, R. E., "Magnetospheric Substorms," University of Maryland Seminar, Laboratory for Plasma Research, College Park, Md. (15 Apr 1992).
- McCally, R. L., "Threshold Corneal Damage from Tm:YAG Laser Radiation at 2.02 μm ," Gordon Research Conf. on Lasers in Medicine and Biology, New London, N. H. (6-10 Jul 1992).
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- , "Magnetically Modulated Resistance Characterization of Superconducting Thin Films," SC Global 92—International Superconductor Applications Convention, San Diego, Calif. (29-31 Jan 1992).
- Penn, J. E., and Moore, C. R., "GaAs MMIC Probe Measurements and Calibration Techniques," IEEE Automated Rf Techniquet Group, Albuquerque, N. M. (1 Jun 1992).
- Pineda, F. J., "Fast Computation of Fractal Dimensions from Experimental Data," Neural Networks for Computing Conf., Snowbird, Utah (7-10 Apr 1992).
- Rease, D. P., Jr., "AEGIS to UNIX Shell Script Conversion," Mid-Atlantic Mentor User's Group Meeting, Kossiakoff Center, Laurel, Md. (27 May 1992).
- Reichert, R. T., and Nichols, R. A. (APL), and Rugh, W. J. (JHU), "Gain Scheduling for H-Infinity Controllers: A Flight Control Example," American Control Conf. Meeting, Chicago (24-25 Jun 1992).
- Sadowsky, J., "Number Theory for the Working Fractologist," Maryland Dynamics Seminar, University of Maryland, College Park, Md. (25 Jun 1992).
- Smart, J. H., "Empirical Relationships Between Optical Properties in the Ocean," SPIE Ocean Optics 11th Conf., San Diego, Calif. (24-26 Jul 1992).
- Sommerer, J. C., "Confronting Chaos Theory with Experiments," APL Colloquium, Laurel, Md. (5 Jun 1992).
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- The following papers were presented at the Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Sarasota, Fla. (3-8 May 1992):
- Farrell, R. A., and Silver, D. M. (APL), Langham, M. E., and Schilder, P. (JHMI), "Fundamental Physical Concepts that Underlie the Measurement of Pulsatile Ocular Blood Flow."
- Flower, R. W. (APL), and Chambers, R. B., Fryczkowski, A. J., Thio, D. B. M., and Jonasson, O. (Ohio State Univ.), "Preliminary Observations on Hypertensive Alteration of Retinal and Choroidal Blood Flow and on the Vascular Repair Process Following Laser Photocoagulation in the Diabetic Monkey."
- Flower, R. W. (APL), and Stephens, R. E., Fryczkowski, A. J., Lantry, L. E., and Thio, D. B. M. (Ohio State Univ.), "Healing Process in Diabetic and Normal Choroidal Endothelial Cell Cultures in Response to Laser Treatment."
- Freund, D. E., McCally, R. L., and Farrell, R. A. (APL), and Cristol, S. M., Edelhauser, H. F., and L'Hernault, G. L. (Emory Univ. School of Medicine), "Comparison of the Ultrastructure in Anterior and Posterior Stroma of Normal Human and Rabbit Corneas and Its Relation to Transparency."
- Johnson, M. A. (JHMI), McLeod, D. S. (APL), Luttly, G. A., D'Anna, S. A., Perry, C. R. (JHMI), and Kues, H. A. (APL), "Micro-wave-Induced Retinal Damage in the Primate."
- McCally, R. L., Farrell, R. A., and Bergeron, C. B., "Threshold Corneal Damage from Tm:YAG Laser Radiation at 2.02 μm ."
- Silver, D. M., and Farrell, R. A. (APL), Krakau, C. E. T. (Lund Univ., Sweden), and Langham, M. E., and Schilder, P. (JHU Wilmer Eye Inst.), "Sensitivity and Concept Analysis of Pulsatile Ocular Blood Flow Measurements."

COLLOQUIA

- 1 Jun 1992—"High Temperature Superconductivity," V. L. Ginzburg, P. N. Lebedev Physical Institute, Russian Academy of Sciences.
- 5 Jun—"Confronting Chaos Theory with Experiments," J. C. Sommerer, APL.
- 12 Jun—"Molecular Engineering of the Anti-Tumor Immune Response," D. M. Pardoll, JHU.
- 10 Jul—"The Ocean Environment," Introduction, J. R. Austin; Global Ocean Characteristics, C. Myles-Tochko; Internal Ocean Dynamics, M. A. Baker; Sound in the Ocean, J. L. Hanson; Remote Sensing of the Ocean, R. J. Taylor, APL.