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PRESENTATIONS

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- , "Position Statement: Domain Modeling for Software Engineering," Domain Modeling Workshop—International Conf. on Software Engineering, Austin, Tex. (13 May 1991).
- , "Software Engineering: A Holistic View," Computer Science Colloquium, Space Telescope Science Institute, Baltimore, Md. (28 May 1991).
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- Hutton, L. V., "Unsupervised Learning: Competitive Learning, Self Organizing Maps, and Adaptive Resonance Models," Unsupervised Learning Seminar, Picatinny Arsenal, N.J. (2 Apr 1991).
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- Kinnison, J. D., and Carkhuff, B. G., "Recent Single Event Results for Advanced VLSI Devices," 1991 Single Event Upset Symp., Ottawa, Canada (30 Apr-2 May 1991).
- Libershal, D. M., "Moving Graphics: From Standard to Standard and System to System," National Computer Graphics Association Annual Conf., Chicago (24 Apr 1991).
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- Maryak, J. L., and Asher, M. S., "Isolating Errors in Models of Complex Systems with Application to Inertial Navigation," Test Technology Symp. IV, Kossiakoff Center, JHU/APL, Laurel, Md. (9 Apr 1991).
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- Mattes, W. W., Jr., and Abita, J. L., "Design of Calibration Standards on PTFE Materials Using the LRL Method and Locating Reference Planes," ARLON MIC Conf., Williamsburg, Va. (Apr 1991).
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- McKerracher, P. L., Cain, R. P., Carkhuff, B. G., and Kinnison, J. D., "Electrical and Radiation Qualification Methods for Field Programmable Gate Arrays in Space Applications," Space Radiation Effects on Materials, Devices, VLSI, and Bio-systems Meeting, Hampton, Va. (18-20 Mar 1991).
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- Meyer, M. R., "CALS-Overview and User's Perspective," 1991 Int. Mentor Graphics Users' Group Conf., Portland, Ore. (11 Apr 1991).
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- Murdock, T. M. (APL), and Schmitendorf, W. E., and Forrest, S. (Univ. Calif., Irvine), "Use of a Genetic Algorithm to Analyze Robust Stability Problems," American Control Conf., Boston, Mass. (26-28 Jun 1991).
- Rowland, J. R., and Meyer, J. H., "Time Scale Refractive Index Measurements within the Marine Evaporation Duct," 10th Annual Geoscience and Remote Sensing Symp. (IGARSS '90), Univ. Maryland, College Park, Md. (20-24 May 1990).
- Shuster, M. D., "New QUESTs for Better Attitudes," Flight Mechanics/Estimation Theory Symp., NASA/GSFC, Greenbelt, Md. (21-23 May 1991).
- Sigillito, V. G., "Survey of Neural Networks (Tutorial)," Computer-Based Medical Systems Symp., Baltimore, Md. (12 May 1991).
- Silver, D. M., Farrell, R. A., and Hart, R. W. (APL), Langham, M. E. (Wilmer Eye Inst.), and O'Brien, V. (APL), "Effects of Pulsatile Ocular Blood Flow in Preserving Vision in Glaucoma," Glaucoma Society of the Int. Congress of Ophthalmology, Bali, Indonesia (11-13 Mar 1990).
- Silver, D. M., and Farrell, R. A. (APL), and Langham, M. E., and Schilder, P. (JHMI), "Noninvasive Assessment of the Instantaneous Net Pulsatile Component of Ocular Blood Flow," Conf. on Noninvasive Assessment of the Visual System, Optical Society of America Meeting, Santa Fe, N.M. (4-7 Feb 1991).
- Skert, P. M., "Scripting for Streamlined Access to Database Services Using Micro-Phone II Communications Software for the Macintosh," Computers in Libraries '91 Meeting, Oakland, Calif. (10-13 Mar 1991).
- Smith, K. M., "Subsetting and Ranking Data Using the DISCRIM Procedure," SAS Users Group Int. 16th Annual Conf. (SUGI 16), New Orleans, La. (17-20 Feb 1991).
- Spall, J. C., "Estimation of Primary Parameters in the Presence of Nuisance Parameters," Dept. of Biostatistics Faculty Research Seminar, VCU/Medical College of Virginia, Richmond, Va. (9 Nov 1990).
- , "A Perspective on the Kalman Filter," Dept. of Biostatistics Faculty Research Seminar, VCU/Medical College of Virginia, Richmond, Va. (9 Nov 1990).
- , "Some Comments on Neural Networks in Statistical Modeling and Control," Maryland Chapter of the American Statistical Association Monthly Meeting, Baltimore, Md. (25 Apr 1991).
- Spall, J. C., and Cristion, J. A., "Neural Networks for Control and Uncertain Systems," Test Technology Symp. IV, Laurel, Md. (8-10 Apr 1991).
- Spicer, J. W. M., Kerns, W. D., Aamodt, L. C., and Murphy, J. C., "Time-Resolved Infrared Radiometry (TRIR) of Multilayer Organic Coatings Using Surface and Subsurface Heating," 13th Thermosense Meeting, Orlando, Fla. (3-5 Apr 1991).
- Strikwerda, T. E., Fisher, H. L., Frank, L. J., and Kilgus, C. C. (APL), and Gray, C. B., and Barnes, D. L. (USA Eng. Topographic Labs.), "Evaluation of a CCD Star Camera at Table Mountain Observatory," SPIE OE/Aerospace Sensing Conf., Orlando, Fla. (1-5 Apr 1991).
- Thomas, M. E., "Optical Properties of Infrared Materials," Int. Conf. on Metallurgical Coatings and Thin Films, San Diego, Calif. (23 Apr 1991).
- Trapp, R. L., Maltagliati, R. E., Fitzpatrick, C. A., Ansel, L. T., and Yemc, D. J., "Enhanced RF Sensor Angle Discrimination," 2nd Annual R&D Information Exchange Conf., China Lake, Calif. (2-4 Apr 1991).
- Yamaguchi, S. (Mitsubishi Petrochemical, Japan), and Viands, C. A., and Potember, R. S. (APL), "Optical Phase Transition in Highly Conducting Organic Charge Transfer Complex Thin Films," American Physical Society Meeting, Anaheim, Calif. (12-16 Mar 1990).
- , "Imaging of Silver and Copper Tetracyanoquinodimethane Salts Using a Scanning Tunneling Microscope and an Atomic Force Microscope," 5th Int. Conf. on Scanning Tunneling Microscopy/Spectroscopy, Baltimore, Md. (23-27 Jul 1990).
- Zucker, P. A., "Smoothing and Desmoothing in the Fourier Approach to Spherical Coefficient Determination," Int. Symp. on Kinematic Systems in Geodesy, Surveying and Remote Sensing, Banff, Alberta, Canada (13 Sep 1990).
- The following papers were presented at the Mid-Atlantic Regional Probability and Statistics Day, George Washington Univ., Washington, D.C. (20 Oct 1990):
- Chin, D. C., "Comparative Study of Several Multivariate Stochastic Approximation Algorithms."
- Hill, S. D., and Spall, J. C., "A Functional Analysis Approach to Characterizing the Sensitivity of the Posterior to the Prior."
- Maryak, J. L., and Spall, J. C., "Weak Convergence and the Exponential Rate of

Concentration for Posterior Density Functions.”
Spall, J. C., and Maryak, J. L., “Bayesian Estimation of Quantiles of Circular Error from Non-I.I.D. Data.”

The following papers were presented at the SHARE 76 Meeting, San Francisco, Calif. (24 Feb–1 Mar 1991):

Hart, E. F. (APL), and Aimsforth, G. (Union Texas Petroleum), “Encoding the World’s Characters: Part 3—User Requirements for a Worldwide Multibyte Code and Proposed SHARE Position.”

Hart, E. F. (APL), and Umamaheswaran, V. S. (IBM), “Impact of the IBM Response to the ASCII/EBCDIC Paper on the C/370 Compiler.”

———, “CDRA: Character Data Representation Architecture Impact on Communications.”

Weintraub, D. M., “APL2 External Functions Demonstration.”

COLLOQUIA

12 Apr 1991—“Phase Transitions in Limited-Connectivity Neural Networks,” K. J. Strandburg, Northwestern University and Argonne National Laboratory.

19 Apr—“Crisis of the Soviet Space Science Program,” R. Z. Sagdeev, University of Maryland.

26 Apr—“Electrical Activity and Development of the Nervous System,” P. G. Nelson, National Institutes of Health.

10 May—“Meeting the Greenhouse Challenge,” T. Schelling, University of Maryland.

17 May—“The Single Electron Transistor,” M. Kastner, Massachusetts Institute of Technology.

24 May—“Advances in the Treatment and Understanding of Coronary Artery Disease,” T. Fischell, Stanford University.

7 Jun—“American Strategy after Desert Storm,” E. A. Cohen, The Johns Hopkins University (SAIS).