


**PRESENTATIONS**


Blum, B. I., “Medical Informatics, Clinical Decision Making, and Artificial Intelligence,” Smart Hospitals Meeting, Milan, Italy (19-22 Apr 1989).


*Johns Hopkins APL Technical Digest, Volume 11, Numbers 3 and 4 (1990)*
The following papers were presented at the Society of Geomagnetism and Earth, Planetary and Space Sciences Spring Meeting, Tokyo Inst. Technol. (6-8 Apr 1990):


Takahashi, K. (APL), and Yumoto, K., and Watanabe, T. (Nagoya Univ.), "Si-Associated Magnetospheric Oscillations during the Great Magnetic Storm of February 1986."


The following papers were presented at the American Physical Society Meeting, Anaheim, Calif. (12-16 Mar 1990):

Adrian, F. J., "Crystal Field Model of Hole Energies and Motions in the High-Tc Superconductors."

Agostinelli, E. (ITSE-CNR, Rome, Italy), and Bohandy, J., Green, W. J., Kim, B. F., Adrian, F. J., and Moorjani, K. (APL), "Deposition of Superconducting Thin Films by Laser Ablation Using a Melt-Quenched, Amorphous Target."


Fainchtein, R., "Scanning Tunneling Microscopy and Spectroscopy of the Organic Superconductors (TMTSF)$_2$PF$_6$ and (TMTSF)$_2$ClO$_4$."


Murphy, J. C., and Fainchtein, R., "Scanning Tunneling Microscopy and Spectroscopy of Quasi One-Dimensional Organic Conductors."

Pan, S., and De Lozanne, A. L. (Univ. Texas at Austin), and Fainchtein, R. (APL), "STM Studies of TTF-TCNQ."

The following papers were presented at the 6th World Congress on Pain, Adelaide, Australia (Apr 1990):


The following papers were presented at the American Statistical Assoc. Annual Meeting, Anaheim, Calif. (6-9 Aug 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 Prior to the Prior."

Maryak, J. L., and Asher, M. S., "Isolating Modeling Errors in State-Space Models, with Application to Inertial Navigation."

Spall, J. C., "Stochastic Approximation Based on a Simultaneous Perturbation Gradient Approximation."

Spall, J. C., and Maryak, J. L., "Feasible Bayesian Estimator of Projectile Estimator from Non-I.I.D. Impacts."

Xang, X. (Memorial Univ., Newfoundland), and Maryak, J. L., and Spall, J. C. (APL), "Computable Bounds on the Rate of Convergence to Normality for Maximum Likelihood Estimates."

The following papers were presented at the Int. Geoscience and Remote Sensing Symp., College Park, Md. (20-24 May 1990):


Dockery, G. D., "Analysis of Fade Characteristics for an Over-Water Microwave Link Path."


Monaldo, F. M., "Reconsideration of the SAR Modulation Transfer Function for the Imaging of Ocean Surface Waves."
The following papers were presented at the Fall Meeting of the American Geophysical Union, San Francisco, Calif. (4–9 Dec 1989):


The following papers were presented at the Spring Meeting of the American Geophysical Union, Baltimore, Md. (29 May–1 Jun 1990):


**COLLOQUIA**

6 Apr 1990—“Magnetically Levitated Trains,” A. R. Eastham, Queens University.

11 Apr—“Mobile Robotics for Nuclear Energy-Related Applications,” R. Mann, Oak Ridge National Laboratory.

20 Apr—“Computational Complexity and Economics,” D. J. Kleitman, Massachusetts Institute of Technology.

27 Apr—“Correlates of Galaxies on a Cosmological Scale,” A. Szalay, JHU.

4 May—“Indoor Air Quality,” S. Denardi, University of Massachusetts.


1 Jun—“Neural Networks, Machine Vision, and Automatic Target Recognition,” M. W. Roth, APL.

15 Jun—“From Hiroshima to Glasnost: Reflections on Four Perilous Decades,” P. H. Nitze, JHU.

28 Sep—“Global Imaging of Planetary Magnetospheres,” E. C. Roelof, APL.

5 Oct—“Global Warming and Recent Climate Change: Observation and Modeling,” K. E. Trenberth, National Center for Atmospheric Research.


26 Oct—“Bioremediation of Oil Spills,” R. M. Atlas, University of Louisville.


9 Nov—“Communicating Science,” B. Z. Shakhashiri, University of Wisconsin.


30 Nov—“Approaches to the Neurobiology of Language,” G. M. McKhann, The Johns Hopkins University.

**AUTHOR INDEX**

**Johns Hopkins APL Technical Digest**

**Volume 11 (1990)**

Aamodt, L. C.—See Maclachlan Spicer, J. W.

Abita, J. L., *Microwave Technology* 11(1&2), 145.

Abita, J. L.—See Charles, H. K., Jr.

Adrian, F. J.—See Moorjani, K.

Agostinelli, E.—See Moorjani, K.


Beal, R. C., *Guest Editor’s Introduction* 11(3&4), 363.

Beal, R. C., *LEWEX: Motivation, Objectives, and Results* 11(3&4), 370.

Beal, R. C., *The Role of Spaceborne Synthetic Aperture Radar in Global Wave Forecasting* 11(1&2), 54.


Blum, B. L., *Update on Information Systems at the Johns Hopkins Hospital* 11(1&2), 114.

Bohandy, J.—See Moorjani, K.


Boone, B. G.—See Moorjani, K.

Brockman, K. D.—See Miller, J. T., Jr.

Calman, J., *Ten Years of APL Oceanography in the Johns