PUBLICATIONS

APL staff members were authors or co-authors of the following unclassified books and technical articles that were recently published:


Blum, B. L., "Integrated Software Development in the Next Millennium," in Proc. 3rd Int. Conf. on Systems Integration, São Paulo, Brazil, pp. 576–583 (Aug 1994).


**PRESENTATIONS**

APL staff members were among those who gave the following unclassified presentations:


Coughlin, T. B., "Senior Engineering Design Project," The Johns Hopkins University, Baltimore, MD (16 Sep 1994).

Coughlin, T. B., "Mechanical Engineering in the Aerospace Industry," The Johns Hopkins University, Baltimore, MD (19 Sep 1994).

Crowley, G. (APL), Schoendorf, J., and Riehle, R. G. (National Center for Atmospheric Res., Boulder, CO), and Marcos, F. A. (Geophysics Directorate, Phillips...


Potember, R. S., "Development of an Erasable Optical Storage System," Tsukuba Research Center, Mitsubishi Petrochemical Co., Ltd., Tokyo, Japan (1 Aug 1994).


Uy, O. M., Benson, R. C., Boies, M. T., Kinnison, J. D., and Morgan, J. S. (APL),
The following papers were presented at the 28th ESLAB Symposium, The High Latitude Heliosphere, Friedrichshafen, Germany (19-21 Apr 1994):

Gloeckler, G. (Univ. Maryland), and Roelof, E. C. (APL), "Acceleration of Pick-Up Protons and He.",

Ogilvie, K. W. (NASA/GSFC), Roelof, E. C. (APL), Gloeckler, G. (Univ. Maryland), and Berdichevsky, D. B. (Huges STX, Lanham, MD), "Proton Phase Space Densities (0.5 eV < E < 5 MeV) at Mid-Latitudes from Ulysses SWICS/HI-Scale Measurements.",


Simnett, G. M. (Univ. Birmingham, UK), and Roelof, E. C. (APL), "Reverse Shock Acceleration of Electrons and Protons at Mid-Heliolatitudes from 5.3-3.8 AU.",


The following papers were presented at the 2nd Pioneer-Voyager Symposium, Energetic Particles and Fields in the Outer Heliosphere, Durham, NH (31 May-3 Jun 1994):

Gloeckler, G. (Univ. Maryland), Roelof, E. C. (APL), and Ogilvie, K. W. (NASA/GSFC), "Proton Phase Space Densities (0.5 eV < E < 5 MeV) at Mid-Latitudes from Ulysses SWICS/HI-Scale Measurements.",

Roelof, E. C., "Determination of a Parallel Mean-Free-Path >20 AU for 0.5-1.0 MeV Protons Observed by Ulysses.",

Simnett, G. M. (Univ. Birmingham, UK), and Roelof, E. C. (APL), "Acceleration of Electrons and Protons by Recurrent Reverse Shocks at Mid-Latitudes: Ulysses 5.3 AU to 3.8 AU.",

The following papers were presented at the Committee on Space Research (COSPAR), Hamburg, Germany (11-21 Jul 1994):


Anagnostopoulos, G. C., Sarris, E. T., Marhavilas, P. K., and Trochosouts, P. C. (Demokritos Univ. Thrace, Xanthi, Greece), and Krimigis, S. M. (APL), "The Inverse Velocity Dispersion of the Upstream Ions as a Result of Heliospheric Activity.",

Anderson, B. J., "Characteristics of Hot Proton Distributions Associated with Magnetospheric Ion Cyclotron Waves.",

Anderson, B. J., "Recent Observations of Ion Cyclotron Waves in Space.",


Farquhar, R. W., "A Rendezvous with 433 Eros.",

Hawkins, S. E., and Cheng, A. F. (APL), and Lanzerottl, L. J., and MacLennan, C. G. (Bell Labs.), "Corotation of Jupiter's Three-Dimensional Magnetosphere.",


McNutt, R. L., Jr. (APL), and Lazarus, A. J., and Belcher, J. W. (MIT Center for Space Res. and Dep't Physics), "The Distance to the Heliospheric VLF Emission Region.",


Paxton, L. J., Crowley, G., Meng, C.-I., and Kupperman, D. G. (APL), and Strickland, D. J., Cox, R. J., Evans, J. S., and Wright, K. (Computational Physics, Inc.), "Coupling Between the High and Low Latitude Thermosphere as Determined from FUV Remote Sensing.",

Paxton, L. J., Crowley, G., Meng, C.-I., Ogorzalek, B. S., and Spisz, T., "Visualization of Data from an Ultraviolet Spectrographic Image.",


The following papers were presented at the Western Pacific Geophysics Meeting, Hong Kong (25-29 Jul 1994):

Cheng, C. Z., and Qian, Q. (Princeton Univ.), Takahashi, K. (Solar Terrestrial Environmental Lab., Nagoya Univ., Toyokawa, Japan), and Lui, A. T. Y. (APL), "Ballooning-Mirror Instability and Internally Driven Pe 4-5 Wave Events.",


Takahashi, K., and Yumoto, K. (Solar Terrestrial Environmental Lab., Nagoya Univ., Toyokawa, Japan), and Anderson, B. J. (APL), "A Statistical Study of Pi 2 Pulsiations Using Simultaneous Magnetic Field Observations from AMPTE CCE and Kakiola.",

Williams, D. J., Lui, A. T. Y., McIntyre, R. W., Angelopoulos, V., and Jacquey, C.
The following papers were presented at the IGARSS, Pasadena, CA (9–12 Aug 1994):


Monaldo, F. M., “The Influence of Altitude and Look Angle on SAR Ocean Wave Imaging: A Practical Compromise.”


The following papers were presented at the 8th Annual AIAA/USU Conference on Small Satellites, Utah State University, Logan, UT (29 Aug–1 Sep 1994):


The following topics were recently presented at the weekly APL Colloquium:


9 Dec: “Perspectives on Computer Vision,” A. Rosenfeld, Center for Automation Research, Univ. Maryland, College Park.