

Author Index,¹ 1988

The Telecommunications and Data Acquisition Progress Report

42-93, January–March, May 15, 1988

42-94, April–June, August 15, 1988

42-95, July–September, November 15, 1988

42-96, October–December, February 15, 1989

Aguirre, S.

- 42-94 An Automatic Frequency Control Loop Using Overlapping DFTs, pp. 222–231.

Amorose, R. J.

- 42-93 Mark IV-85 Mission Support Planning and Future Mission Set, pp. 265–270.

Armstrong, J. W.

- 42-94 Gravitational Wave Searches Using the DSN, pp. 75–85.
See Nelson, S. J.

Arnold, S.

- 42-94 A Software Simulation Study of the Long Constraint Length VLSI Viterbi Decoder, pp. 210–221.
S. Arnold and F. Pollara

Asmar, S. W.

- 42-95 Two-Way Coherent Doppler Error Due to Solar Corona, pp. 28–31.
See Kinman, P. W.

Bagby, D. G.

- 42-93 Heat Exchanger Demonstration Expert System, pp. 177–187.
D. G. Bagby and R. A. Cormier

Ballingall, J. M.

- 42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71–81.
See Bautista, J. J.

Bathker, D. A.

- 42-95 DSN 70-Meter Antenna X-Band Gain, Phase, and Pointing Performance, With Particular Application for Voyager 2 Neptune Encounter, pp. 237–245.
See Slobin, S. D.

Bautista, J. J.

- 42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71–81.
J. J. Bautista, G. G. Ortiz, K. H. G. Duh, W. F. Kopp, P. Ho, P. C. Chao, M. Y. Kao, P. M. Smith, and J. M. Ballingall

Bertiger, W. I.

- 42-93 The Limits of Direct Satellite Tracking With the Global Positioning System (GPS), pp. 1–7.
W. I. Bertiger and T. P. Yunck

Bertiger, W. I.

- 42-95 Determination of GPS Orbits to Submeter Accuracy, pp. 14–27.
W. I. Bertiger, S. M. Lichten, and E. C. Katsigris

¹In case of joint authorship, the reader is referred to the citation under the first author where all authors of the article are listed.

Bhanji, A. M.

- 42-95 Conceptual Design of a 1-MW CW X-Band Transmitter for Planetary Radar, pp. 97-111.
A. M. Bhanji, D. J. Hoppe, B. L. Conroy, and A. J. Freiley

Breuer, M. A.

- 42-96 Test Aspects of the JPL Viterbi Decoder, pp. 51-79.

Brokl, S.

- 42-93 Goldstone Solar System Radar Performance Analysis, pp. 302-308.
See Satorius, E.

Brown, D. H.

- 42-93 Advanced Receiver Tracking of Voyager 2 Near Solar Conjunction, pp. 75-82.
D. H. Brown, W. J. Hurd, V. A. Vilnrotter, and J. D. Wiggins

Brown, D. H.

- 42-93 Telemetry SNR Improvement Using the DSN Advanced Receiver With Results for Pioneer 10, pp. 64-74.
See Hurd, W. J.

Brown, D. H.

- 42-93 Spectral Estimation of Received Phase in the Presence of Amplitude Scintillation, pp. 8-17.
See Vilnrotter, V. A.

Brunzie, T. J.

- 42-93 An 8.4-GHz Dual Maser Front End for Parkes Reimplementation, pp. 214-228.
See Trowbridge, D. L.

Chao, P. C.

- 42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71-81.
See Bautista, J. J.

Chen, C. C.

- 42-93 Performance Analysis of a Noncoherently Combined Large Aperture Optical Heterodyne Receiver, pp. 131-145.

Chen, C. C.

- 42-93 Effect of Detector Dead Time on the Performance of Optical Direct-Detection Communication Links, pp. 146-154.

Chen, C. C.

- 42-94 Design of an Optical PPM Communication Link in the Presence of Component Tolerances, pp. 170-179.

Chen, C. C.

- 42-95 Effect of Earth Albedo Variation on the Performance of a Spatial Acquisition Subsystem Aboard a Planetary Spacecraft, pp. 202-211.

Chen, J.

- 42-95 Cross-Guide Coupler Modeling and Design, pp. 82-88.

Chen, J.

- 42-96 Microwave Time Delays for the Dual L-C-Band Feed System, pp. 126-131.

Cheng, U.

- 42-94 Node Synchronization of Viterbi Decoders Using State Metrics, pp. 201-209.

Cheung, K. M.

- 42-93 Efficient Multiplication Algorithms Over the Finite Fields $GF(q^m)$, Where $q = 3, 5$, pp. 155-162.
See Truong, T. K.

Cheung, K. M.

- 42-94 Phobos Lander Coding System: Software and Analysis, pp. 274-286.
K. M. Cheung and F. Pollara

Cheung, K. M.

- 42-95 Performance of Galileo's Concatenated Codes With Nonideal Interleaving, pp. 148-152.
K. M. Cheung and S. J. Dolinar

Cheung, K. M.

42-95 Long Decoding Runs for Galileo's Convolutional Codes, pp. 143-147.

See Lahmeyer, C. R.

Christman, J. M.

42-94 Evaluation of the Characteristics of a Field Emission Cathode for Use in a Mercury Ion Trap Frequency Standard, pp. 86-92.

Clauss, R. C.

42-96 Ka-Band Study-1988, pp. 158-171.

See Layland, J. W.

Collier, J. W.

42-96 Block Diagrams of the Radar Interface Control Unit, pp. 104-116.

Collins, O.

42-95 A Long Constraint Length VLSI Viterbi Decoder for the DSN, pp. 134-142.

See Statman, J.

Collins, O.

42-96 Wiring Viterbi Decoders (Splitting deBruijn Graphs), pp. 93-103.

O. Collins, F. Pollara, S. Dolinar, and J. Statman

Conroy, B. L.

42-95 Transmitter Data Collection Using Ada, pp. 229-236.

Conroy, B. L.

42-95 Conceptual Design of a 1-MW CW X-Band Transmitter for Planetary Radar, pp. 97-111.

See Bhanji, A. M.

Cormier, R. A.

42-93 Heat Exchanger Demonstration Expert System, pp. 177-187.

See Bagby, D. G.

Cormier, R.

42-94 Heat Exchanger Expert System Logic, pp. 232-244.

Cormier, R.

42-96 Design and Test of a 2.25-MW Transformer Rectifier Assembly, pp. 1-13.

R. Cormier and J. Daeges

Cowles, K.

42-95 Performance of Efficient Q-Switched Diode-Laser-Pumped Nd:YAG and Ho:YLF Lasers for Space Applications, pp. 168-173.

See Marshall, W. K.

Daeges, J.

42-96 Design and Test of a 2.25-MW Transformer Rectifier Assembly, pp. 1-13.

See Cormier, R.

de Groot, N. F.

42-93 New CCIR Report on SETI, pp. 280-291.

DeVore, C. W.

42-95 Shutters and Slats for the Integral Sunshade of an Optical Reception Antenna, pp. 196-201.

See Kerr, E. L.

Densmore, A. C.

42-93 A Digitally Implemented Phase-Locked Loop Detection Scheme for Analysis of the Phase and Power Stability of a Calibration Tone, pp. 207-213.

Divsalar, D.

42-96 The Use of Interleaving for Reducing Radio Loss in Convolutionally Coded Systems, pp. 21-39.

D. Divsalar, M. K. Simon, and J. H. Yuen

Doerksen, I.

42-93 Baseband Assembly Analog-to-Digital Converter Board, pp. 257-264.

I. Doerksen and L. Howard

Dolinar, S.

42-93 A New Code for Galileo, pp. 83-96.

Dolinar, S. J.

42-95 VLA Telemetry Performance With Concatenated Coding for Voyager at Neptune, pp. 112-133.

Dolinar, S. J.

42-95 Performance of Galileo's Concatenated Codes With Nonideal Interleaving, pp. 148-152.

See Cheung, K. M.

Dolinar, S.

42-96 Wiring Viterbi Decoders (Splitting deBruijn Graphs), pp. 93-103.

See Collins, O.

Duh, K. H.

42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71-81.

See Bautista, J. J.

Ellis, J.

42-93 Determination of the Venus Flyby Orbits of the Soviet Vega Probes Using VLBI Techniques, pp. 271-279.

J. Ellis and T. P. McElrath

Esquivel, M.

42-94 X/X/Ka-Band Prime Focus Feed Antenna for the Mars Observer Beacon Spacecraft, pp. 103-109.

See Stanton, P.

Fanelli, N. A.

42-94 Summary of DSN Reimbursable Launch Support, pp. 301-305.

N. A. Fanelli and M. E. Wyatt

Franco, M. M.

42-94 Dual Passband Dichroic Plate for X-Band, pp. 110-134.

See Otoshi, T. Y.

Freiley, A. J.

42-94 Simultaneous S- and X-Band Uplink-Downlink Performance at DSS 13, pp. 93-102.

Freiley, A. J.

42-95 Conceptual Design of a 1-MW CW X-Band Transmitter for Planetary Radar, pp. 97-111.

See Bhanji, A. M.

Freiley, A. J.

42-96 RF Performance Measurement of the DSS-14 70-Meter Antenna at C-Band/L-Band, pp. 117-125.

See Gatti, M. S.

Gary, B. L.

42-94 Spain 31-GHz Observations of Sky Brightness Temperatures, pp. 42-60.

Gary, B. L.

42-94 Australia 31-GHz Brightness Temperature Exceedance Statistics, pp. 61-74.

Garyantes, M. F.

42-93 A Wideband, High-Resolution Spectrum Analyzer, pp. 188-198.

See Quirk, M. P.

Gatti, M. S.

42-96 RF Performance Measurement of the DSS-14 70-Meter Antenna at C-Band/L-Band, pp. 117-125.

M. S. Gatti, A. J. Freiley, and D. Girdner

Girdner, D.

42-96 RF Performance Measurement of the DSS-14 70-Meter Antenna at C-Band/L-Band, pp. 117-125.

See Gatti, M. S.

Gosline, R. M.

42-93 DSS 13 Microprocessor Antenna Controller, pp. 163-176.

Gresham, L. L.

42-93 The Feasibility of the Disturbance Accommodating Controller for Precision Antenna Pointing, pp. 27-44.

L. L. Gresham, F. L. Lansing, and C. N. Guiar

Grimm, M. J.

42-93 A Wideband, High-Resolution Spectrum Analyzer, pp. 188-198.

See Quirk, M. P.

Guiar, C. N.

- 42-93 The Feasibility of the Disturbance Accommodating Controller for Precision Antenna Pointing, pp. 27-44.
See Gresham, L. L.

Guiar, C. N.

- 42-93 DSS 14 Antenna Calibrations for GSSR/VLA Saturn Radar Experiments, pp. 309-337.
C. N. Guiar, R. L. Riggs, R. Stevens, and M. Wert

Gulkis, S.

- 42-96 Radio Frequency Interference Survey Over the 1.0-10.4 GHz Frequency Range at the Goldstone-Venus Development Station, pp. 179-188.
S. Gulkis, E. T. Olsen, M. J. Klein, and E. B. Jackson

Hemmati, H.

- 42-95 Performance of Efficient Q-Switched Diode-Laser-Pumped Nd:YAG and Ho:YLF Lasers for Space Applications, pp. 168-173.
See Marshall, W. K.

Hill, R. E.

- 42-95 Dynamic Models for Simulation of the 70-M Antenna Axis Servos, pp. 32-50.

Hill, R. E.

- 42-95 A New Algorithm for Modeling Friction in Dynamic Mechanical Systems, pp. 51-57.

Hinedi, S.

- 42-95 An Extended Kalman Filter Based Automatic Frequency Control Loop, pp. 219-228.

Ho, P.

- 42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71-81.
See Bautista, J. J.

Holmes, J. K.

- 42-96 A Simplified Procedure for Decoding the (23,12) and (24,12) Golay Codes, pp. 49-58.
See Truong, T. K.

Hoppe, D.

- 42-93 X-Band Resonant Ring Operation at 450 kW, pp. 18-26.
D. Hoppe and R. Perez

Hoppe, D. J.

- 42-95 Modal Analysis Applied to Circular, Rectangular, and Coaxial Waveguides, pp. 89-96.

Hoppe, D. J.

- 42-95 Conceptual Design of a 1-MW CW X-Band Transmitter for Planetary Radar, pp. 97-111.
See Bhanji, A. M.

Horttor, R. L.

- 42-96 Ka-Band Study-1988, pp. 158-171.
See Layland, J. W.

Howard, L.

- 42-93 Baseband Assembly Analog-to-Digital Converter Board, pp. 257-264.
See Doerksen, I.

Hsu, I. S.

- 42-93 Efficient Multiplication Algorithms Over the Finite Fields $GF(q^m)$, where $q = 3, 5$, pp. 155-162.
See Truong, T. K.

Hsu, I. S.

- 42-96 On Testing VLSI Chips for the Big Viterbi Decoder, pp. 80-92.

Hsu, I. S.

- 42-96 A New VLSI Architecture for a Single-Chip-Type Reed-Solomon Decoder, pp. 40-48.
I. S. Hsu and T. K. Truong

Hurd, W. J.

- 42-93 Telemetry SNR Improvement Using the DSN Advanced Receiver With Results for Pioneer 10, pp. 64-74.
W. J. Hurd, D. H. Brown, V. A. Vilnrotter, and J. D. Wiggins

Hurd, W. J.

42-93 Advanced Receiver Tracking of Voyager 2 Near Solar Conjunction, pp. 75–82.

See Brown, D. H.

Hurd, W. J.

42-93 Digital Carrier Demodulation for the DSN Advanced Receiver, pp. 45–63.

See Sadr, R.

Hurd, W. J.

42-93 Spectral Estimation of Received Phase in the Presence of Amplitude Scintillation, pp. 8–17.

See Vilnrotter, V. A.

Jackson, E. B.

42-96 Radio Frequency Interference Survey Over the 1.0–10.4 GHz Frequency Range at the Goldstone-Venus Development Station, pp. 179–188.

See Gulkis, S.

Jenkins, B.

42-93 An 8.4-GHz Dual Maser Front End for Parkes Reimplementation, pp. 214–228.

See Trowbridge, D. L.

Kao, M. Y.

42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71–81.

See Bautista, J. J.

Katsigris, E. C.

42-95 Determination of GPS Orbits to Submeter Accuracy, pp. 14–27.

See Bertiger, W. I.

Kerr, E. L.

42-93 Strawman Optical Reception Development Antenna (SORDA), pp. 97–110.

Kerr, E. L.

42-95 An Integral Sunshade for Optical Reception Antennas, pp. 180–195.

Kerr, E. L.

42-95 Shutters and Slats for the Integral Sunshade of an Optical Reception Antenna, pp. 196–201.

E. L. Kerr and C. W. DeVore

Kinman, P. W.

42-95 Two-Way Coherent Doppler Error Due to Solar Corona, pp. 28–31.

P. W. Kinman and S. W. Asmar

Klein, M. J.

42-96 Radio Frequency Interference Survey Over the 1.0–10.4 GHz Frequency Range at the Goldstone-Venus Development Station, pp. 179–188.

See Gulkis, S.

Kopp, W. F.

42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71–81.

See Bautista, J. J.

Lahmeyer, C. R.

42-95 Long Decoding Runs for Galileo's Convolutional Codes, pp. 143–147.

C. R. Lahmeyer and K. M. Cheung

Lakshminarayana, M.

42-93 An Electronically Tuned, Stable 8415-MHz Dielectric Resonator FET Oscillator for Space Applications, pp. 292–301.

Lansing, F. L.

42-93 The Feasibility of the Disturbance Accommodating Controller for Precision Antenna Pointing, pp. 27–44.

See Gresham, L. L.

Layland, J. W.

42-96 Ka-Band Study—1988, pp. 158–171.

J. W. Layland, R. L. Horttor, R. C. Clauss, J. H. Wilcher, R. J. Wallace, and D. J. Mudgway

Legerton, V. N.

- 42-94 PSA: A Program to Streamline Orbit Determination for Launch Support Operations, pp. 28–41.
V. N. Legerton and N. A. Mottinger

Lichten, S. M.

- 42-95 Determination of GPS Orbits to Submeter Accuracy, pp. 14–27.
See Bertiger, W. I.

Liewer, K. M.

- 42-93 DSN Very Long Baseline Interferometry System Mark IV-88, pp. 239–246.

Loreman, J.

- 42-93 2.3-GHz Low-Noise Cryo-FET Amplifier, pp. 199–206.

Loreman, J. R.

- 42-93 An 8.4-GHz Dual Maser Front End for Parkes Reimplementation, pp. 214–228.
See Trowbridge, D. L.

Lyons, J. R.

- 42-95 Theoretical Comparison of Maser Materials for a 32-GHz Maser Amplifier, pp. 58–70.

Malla, R. P.

- 42-95 Deriving a Geocentric Reference Frame for Satellite Positioning and Navigation, pp. 1–13.
R. P. Malla and S. C. Wu

Marshall, W. K.

- 42-95 Performance of Efficient Q-Switched Diode-Laser-Pumped Nd:YAG and Ho:YLF Lasers for Space Applications, pp. 168–173.
W. K. Marshall, K. Cowles, and H. Hemmati

McEliece, R. J.

- 42-95 The Decoding of Reed-Solomon Codes, pp. 153–167.

McElrath, T. P.

- 42-93 Determination of the Venus Flyby Orbits of the Soviet Vega Probes Using VLBI Techniques, pp. 271–279.
See Ellis, J.

Mileant, A.

- 42-95 Pointing a Ground Antenna at a Spinning Spacecraft Using Conscan—Simulation Results, pp. 246–260.
A. Mileant and T. Peng

Mottinger, N. A.

- 42-94 PSA: A Program to Streamline Orbit Determination for Launch Support Operations, pp. 28–41.
See Legerton, V. N.

Mudgway, D. J.

- 42-96 Ka-Band Study—1988, pp. 158–171.
See Layland, J. W.

Muellerschoen, R. J.

- 42-94 Storage and Computationally Efficient Permutations of Factorized Covariance and Square-Root Information Arrays, pp. 245–256.

Mysoor, N.

- 42-96 A Low-Loss Linear Analog Phase Modulator for 8415 MHz Transponder Application, pp. 172–178.

Neff, D.

- 42-94 A 32-GHz Reflected-Wave Maser Amplifier With Wide Instantaneous Bandwidth, pp. 145–162.
See Shell, J.

Nelson, S. J.

- 42-94 Gravitational Wave Searches Using the DSN, pp. 75–85.
S. J. Nelson and J. W. Armstrong

Nguyen, T. M.

- 42-93 The Behavior of a Costas Loop in the Presence of Space Telemetry Signals, pp. 229–238.

Olsen, E. T.

42-96 Radio Frequency Interference Survey Over the 1.0–10.4 GHz Frequency Range at the Goldstone-Venus Development Station, pp. 179–188.

See Gulkis, S.

Ortiz, G. G.

42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71–81.

See Bautista, J. J.

Otoshi, T. Y.

42-94 Dual Passband Dichroic Plate for X-Band, pp. 110–134.

T. Y. Otoshi and M. M. Franco

Peng, T. K.

42-93 X-Band Noise Temperature Near the Sun at a 34-Meter High Efficiency Antenna, pp. 247–256.

See Rebold, T. A.

Peng, T.

42-95 Pointing a Ground Antenna at a Spinning Spacecraft Using Conscan—Simulation Results, pp. 246–260.

See Mileant, A.

Perez, R.

42-93 X-Band Resonant Ring Operation at 450 kW, pp. 18–26.

See D. Hoppe

Pollara, F.

42-94 A Software Simulation Study of the Long Constraint Length VLSI Viterbi Decoder, pp. 210–221.

See Arnold, S.

Pollara, F.

42-94 Phobos Lander Coding System: Software and Analysis, pp. 274–286.

See Cheung, K. M.

Pollara, F.

42-95 A Long Constraint Length VLSI Viterbi Decoder for the DSN, pp. 134–142.

See Statman, J.

Pollara, F.

42-96 Wiring Viterbi Decoders (Splitting deBruijn Graphs), pp. 93–103.

See Collins, O.

Quirk, M. P.

42-93 A Wideband, High-Resolution Spectrum Analyzer, pp. 188–198.

M. P. Quirk, H. C. Wilck, M. F. Garyantes, and M. J. Grimm

Rayman, M. D.

42-95 Calculations of Laser Cavity Dumping for Optical Communications, pp. 174–179.

See Robinson, D. L.

Rebold, T. A.

42-93 X-Band Noise Temperature Near the Sun at a 34-Meter High Efficiency Antenna, pp. 247–256.

T. A. Rebold, T. K. Peng, and S. D. Slobin

Reed, I. S.

42-93 Efficient Multiplication Algorithms Over the Finite Fields $GF(q^m)$, Where $q = 3, 5$, pp. 155–162.

See Truong, T. K.

Reed, I. S.

42-96 A Simplified Procedure for Decoding the (23,12) and (24,12) Golay Codes, pp. 49–58.

See Truong, T. K.

Reilly, H.

42-94 X/X/Ka-Band Prime Focus Feed Antenna for the Mars Observer Beacon Spacecraft, pp. 103–109.

See Stanton, P.

Renzetti, N. A.

42-94 Relative Planetary Radar Sensitivities: Arecibo and Goldstone, pp. 287–293.

N. A. Renzetti, T. W. Thompson, and M. A. Slade

Riggs, R. L.

42-93 DSS 14 Antenna Calibrations for GSSR/VLA Saturn Radar Experiments, pp. 309–337.

See Guiar, C. N.

Robinson, D. L.

42-95 Calculations of Laser Cavity Dumping for Optical Communications, pp. 174–179.

D. L. Robinson and M. D. Rayman

Rochblatt, D. J.

42-96 Systems Analysis for DSN Microwave Antenna Holography, pp. 132–157.

Sadr, R.

42-93 Digital Carrier Demodulation for the DSN Advanced Receiver, pp. 45–63.

R. Sadr and W. J. Hurd

Sadr, R.

42-96 On Sampling Band-Pass Signals, pp. 14–20.

R. Sadr and M. Shahshahani

Satorius, E.

42-93 Goldstone Solar System Radar Performance Analysis, pp. 302–308.

E. Satorius and S. Brokl

Schumacher, L. L.

42-94 Antenna Pointing Compensation Based on Precision Optical Measurement Techniques, pp. 135–144.

L. L. Schumacher and H. C. Vivian

Schumaker, B. L.

42-93 Apparent Brightness of Stars and Lasers, pp. 111–130.

Shahshahani, M.

42-96 On Sampling Band-Pass Signals, pp. 14–20.

See Sadr, R.

Shaik, K. S.

42-94 Atmospheric Propagation Effects Relevant to Optical Communications, pp. 180–200.

Shaik, K. S.

42-95 A Preliminary Weather Model for Optical Communications Through the Atmosphere, pp. 212–218.

Shell, J.

42-94 A 32-GHz Reflected-Wave Maser Amplifier With Wide Instantaneous Bandwidth, pp. 145–162.

J. Shell and D. Neff

Simon, M. K.

42-96 The Use of Interleaving for Reducing Radio Loss in Convolutionally Coded Systems, pp. 21–39.

See Divsalar, D.

Slade, M. A.

42-94 Relative Planetary Radar Sensitivities: Arecibo and Goldstone, pp. 287–293.

See Renzetti, N. A.

Slobin, S. D.

42-93 X-Band Noise Temperature Near the Sun at a 34-Meter High Efficiency Antenna, pp. 247–256.

See Rebold, T. A.

Slobin, S. D.

42-95 DSN 70-Meter Antenna X-Band Gain, Phase, and Pointing Performance, With Particular Application for Voyager 2 Neptune Encounter pp. 237–245.

S. D. Slobin and D. A. Bathker

Smith, P. M.

42-95 32-GHz Cryogenically Cooled HEMT Low-Noise Amplifiers, pp. 71–81.

See Bautista, J. J.

Stanton, P.

42-94 X/X/Ka-Band Prime Focus Feed Antenna for the Mars Observer Beacon Spacecraft, pp. 103–109.

P. Stanton, H. Reilly, and M. Esquivel

Statman, J.

42-95 A Long Constraint Length VLSI Viterbi Decoder for the DSN, pp. 134-142.

J. Statman, G. Zimmerman, F. Pollara, and O. Collins

Statman, J.

42-96 Wiring Viterbi Decoders (Splitting deBruijn Graphs), pp. 93-103.

See Collins, O.

Stevens, R.

42-93 DSS 14 Antenna Calibrations for GSSR/VLA Saturn Radar Experiments, pp. 309-337.

See Guiar, C. N.

Tanida, L.

42-94 An 8.4-GHz Cryogenically Cooled HEMT Amplifier for DSS 13, pp. 163-169.

Thompson, T. W.

42-94 Relative Planetary Radar Sensitivities: Arecibo and Goldstone, pp. 287-293.

See Renzetti, N. A.

Trowbridge, D. L.

42-93 An 8.4-GHz Dual Maser Front End for Parkes Reimplementation, pp. 214-228.

D. L. Trowbridge, J. R. Loreman, T. J. Brunzie and B. Jenkins

Truehaft, R. N.

42-94 Deep Space Tracking in Local Reference Frames, pp. 1-15.

Truong, T. K.

42-93 Efficient Multiplication Algorithms Over the Finite Fields $GF(q^m)$, Where $q = 3, 5$, pp. 155-162.

T. K. Truong, I. S. Hsu, K. M. Cheung, and I. S. Reed.

Truong, T. K.

42-96 A Simplified Procedure for Decoding the (23,12) and (24,12) Golay Codes, pp. 49-58.

T. K. Truong, J. K. Holmes, I. S. Reed, and X. Yin.

Truong, T. K.

42-96 A New VLSI Architecture for a Single-Chip-Type Reed-Solomon Decoder, pp. 40-48.

See Hsu, I. S.

Ulvestad, J. S.

42-94 Phasing the Antennas of the Very Large Array for Reception of Telemetry from Voyager 2 at Neptune Encounter, pp. 257-273.

Vilnrotter, V. A.

42-93 Spectral Estimation of Received Phase in the Presence of Amplitude Scintillation, pp. 8-17.

V. A. Vilnrotter, D. H. Brown, and W. J. Hurd

Vilnrotter, V. A.

42-93 Advanced Receiver Tracking of Voyager 2 Near Solar Conjunction, pp. 75-82.

See Brown, D. H.

Vilnrotter, V. A.

42-93 Telemetry SNR Improvement Using the DSN Advanced Receiver With Results for Pioneer 10, pp. 64-74.

See Hurd, W. J.

Vivian, H. C.

42-94 Antenna Pointing Compensation Based on Precision Optical Measurement Techniques, pp. 135-144.

See Schumacher, L. L.

Wallace, R. J.

42-96 Ka-Band Study - 1988, pp. 158-171.

See Layland, J. W.

Wert, M.

42-93 DSS 14 Antenna Calibrations for GSSR/VLA Saturn Radar Experiments, pp. 309-337.

See Guiar, C. N.

Wiggins, J. D.

42-93 Advanced Receiver Tracking of Voyager 2 Near Solar Conjunction, pp. 75-82.

See Brown, D. H.

Wiggins, J. D.

- 42-93 Telemetry SNR Improvement Using the DSN Advanced Receiver With Results for Pioneer 10, pp. 64-74.
See Hurd, W. J.

Wilcher, J. H.

- 42-96 Ka-Band Study—1988, pp. 158-171.
See Layland, J. W.

Wilck, H. C.

- 42-93 A Wideband, High-Resolution Spectrum Analyzer, pp. 188-198.
See Quirk, M. P.

Williams, B. G.

- 42-94 Precise Orbit Determination for NASA's Earth Observing System Using GPS, pp. 16-27.

Withington, J.

- 42-94 DSN 64-Meter Antenna L-Band (1668 MHz) Microwave System Performance Overview, pp. 294-300.

Wu, S. C.

- 42-95 Deriving a Geocentric Reference Frame for Satellite Positioning and Navigation, pp. 1-13.
See Malla, R. P.

Wyatt, M. E.

- 42-94 Summary of DSN Reimbursable Launch Support, pp. 301-305.
See Fanelli, N. A.

Yin, X.

- 42-96 A Simplified Procedure for Decoding the (23,12) and (24,12) Golay Codes, pp. 49-58.
See Truong, T. K.

Yuen, J. H.

- 42-96 The Use of Interleaving for Reducing Radio Loss in Convolutionally Coded Systems, pp. 21-39.
See Divsalar, D.

Yunck, T. P.

- 42-93 The Limits of Direct Satellite Tracking With the Global Positioning System (GPS), pp. 1-7.
See Bertiger, W. I.

Zimmerman, G.

- 42-95 A Long Constraint Length VLSI Viterbi Decoder for the DSN, pp. 134-142.
See Statman, J.