

# Author Index for Papers in Volume 21

Pages are numbered consecutively through the volume: 1-96, January; 97-208, March; 209-304, May; 305-400, July; 401-496, September; and 497-598, November. Communications are identified by (C) and Letters to the Editor by (L).

Albrecht, D. M., E. G. Laenen, and Chua Lin, Experiments on the Dynamic Response of a Flexible Strip to Moving Loads (C) .....	379
Arnett, P. C., see DiMaria, D. J. ....	227
Ashley, C. T., K. E. Edds, and D. L. Elbert, Development and Characterization of Ink for an Electrostatic Ink Jet Printer .....	69
Beach, B. L., C. W. Hildenbrandt, and W. H. Reed, Materials Selection for an Ink Jet Printer .....	75
Bennett, B. T., and P. A. Franaszek, Permutation Clustering: An Approach to On-Line Storage Reorganization .....	528
Bernstein, P. A., see Delobel, C. ....	484
Berry, B. S., and J. R. Susko, Solubility and Diffusion of Sulfur in Polymeric Materials .....	176
Buehner, W. L., J. D. Hill, T. H. Williams, and J. W. Woods, Application of Ink Jet Technology to a Word Processing Output Printer .....	2
Buehner, W. L., see Fillmore, G. L. ....	37
Carmichael, J. M., Controlling Print Height in an Ink Jet Printer .....	52
Casey, R. G., see Delobel, C. ....	484
Chaitin, G. J., Algorithmic Information Theory .....	350
Errata .....	496
Chamberlin, D. D., Erratum: SEQUEL 2: A Unified Approach to Data Definition, Manipulation, and Control (Vol. 20, No. 6, p. 560) .....	94
Chow, W. M., and L. Woo, Buffer Performance Analysis of Communication Processors During Slowdown at Network Control .....	264
Cuomo, J. J., R. J. Gambino, J. M. E. Harper, and J. D. Kuptsis, Origin and Effects of Negative Ions in the Sputtering of Intermetallic Compounds (C) .....	580
Curry, S. A., and H. Portig, Scale Model of an Ink Jet .....	10
Davies, J. E., Control of Magnetic Properties During the Processing of Single Crystal Garnet Films .....	522
Davis, D. E., R. D. Moore, M. C. Williams and O. C. Woodard, Automatic Registration in an Electron-Beam Lithographic System .....	498
Delobel, C., R. G. Casey, and P. A. Bernstein, Comment on "Decomposition of a Data Base and the Theory of Boolean Switching Functions" (L) .....	484
Dill, F. H., and J. M. Shaw, Thermal Effects on the Photoresist AZ1350J .....	210
Dill, F. H., see Shaw, J. M. ....	219
DiMaria, D. J., and P. C. Arnett, Conduction Studies in Silicon Nitride: Dark Currents and Photocurrents .....	227
Edds, K. E., see Ashley, C. T. ....	69
Elbert, D. L., see Ashley, C. T. ....	69
Engelke, H., J. F. Loughran, M. S. Michail, and P. M. Ryan, Correction of Nonlinear Deflection Distortion in a Direct Exposure Electron-Beam System .....	506

Fagin, R., Functional Dependencies in a Relational Data Base and Propositional Logic .....	534
Feliss, N. A., and F. E. Talke, Capacitance Probe Study of Rotating-Head/Tape Interface (C) .....	289
Fernández, E. B., see Lang, T. ....	273
Fillmore, G. L., W. L. Buehner, and D. L. West, Drop Charging and Deflection in an Electrostatic Ink Jet Printer .....	37
Fischer, J., see Swalen, J. D. ....	168
Fleischer, J. M., M. R. Latta, and M. E. Rabedeau, Laser-Optical System of the IBM 3800 Printer (C) .....	479
Franszek, P. A., see Bennett, B. T. ....	528
Fratta, L., see Maruyama, K. ....	360
Frisch, M. A., see Shaw, J. M. ....	219
Furtney, R., see Kiwimagi, R. ....	340
Gambino, R. J., see Cuomo, J. J. ....	580
Gaur, S. P., Safe Operating Area for Bipolar Transistors ...	433
Gaur, S. P., Two-Dimensional Analysis of High-Voltage Power Transistors .....	306
Gipstein, E., A. C. Ouano, D. E. Johnson, and O. U. Need, III, Parameters Affecting the Electron Beam Sensitivity of Poly-(methyl methacrylate) .....	143
Greene, R. L., see Street, G. B. ....	99
Griffiths, L., see Kiwimagi, R. ....	340
Harper, J. M. E., see Cuomo, J. J. ....	580
Herbst, N. M., and C. N. Liu, Automatic Signature Verification Based on Accelerometry .....	245
Hildenbrandt, C. W., see Beach, B. L. ....	75
Hill, J. D., see Buehner, W. L. ....	2
Hiraoka, H., Radiation Chemistry of Poly(methacrylates) .	121
Inselberg, A., Variable Geometry Cochlear Model at Low Input Frequencies: A Basis for Compensating Morphological Disorders .....	461
Johnson, D. E., see Gipstein, E. ....	143
Kiwimagi, R., L. Griffiths, and R. Furtney, Worst-Case Pattern Evaluation of Baseband Channels .....	340
Kou, L. T., and G. Markowsky, Multidimensional Bin Packing Algorithms .....	443
Kuptsis, J. D., see Cuomo, J. J. ....	580
Laenen, E. G., see Albrecht, D. M. ....	379
Lam, S. S., An Extension of Moore's Result for Closed Queuing Networks (C) .....	384
Lam, S. S., Queuing Networks with Population Size Constraints .....	370
Erratum .....	598
Lang, T., and E. B. Fernández, Improving the Computation of Lower Bounds for Optimal Schedules .....	273
Latta, M. R., see Fleischer, J. M. ....	479
Lavenberg, S. S., and C. H. Sauer, Sequential Stopping Rules for the Regenerative Method of Simulation .....	545
Lee, H. C., Boundary Layer Around a Liquid Jet .....	48
Lee, H. C., see Pimbley, W. T. ....	21
Lee, H. S., Analysis of the Merged Charge Memory (MCM) Cell .....	402
Levanoni, M., Study of Fluid Flow through Scaled-up Ink Jet Nozzles .....	56
Lieberman, L. I., and M. A. Wesley, AUTOPASS: An Automatic Programming System for Computer Controlled Mechanical Assembly .....	321
Lin, Chua, see Albrecht, D. M. ....	379
Liu, C. N., see Herbst, N. M. ....	245
Lomet, D. B., Data Flow Analysis in the Presence of Procedure Calls .....	559
Loughran, J. F., see Engelke, H. ....	506
Lyerla, J. R., Jr., NMR Study of the Chain Microstructure of P(MMA-co-MAA) .....	111

Markowski, G., see Kou, L. T. ....	443	Stickel, W., see Mauer, J. L. ....	514
Maruyama, K., and D. T. Tang, Discrete Link Capacity and Priority Assignments in Communication Networks ....	254	Street, G. B., and R. L. Greene, Preparation and Properties of (SN) <sub>x</sub> .....	99
Maruyama, K., L. Fratta, and D. T. Tang, Heuristic Design Algorithm for Computer Communication Networks with Different Classes of Packets .....	360	Susko, J. R., see Berry, B. S. ....	176
Matino, H., and T. Ushiroda, Effect of Substrate Bias on Properties of RF-Sputtered Cr-SiO Films (C) .....	576	Swalen, J. D., R. Santo, M. Tacke, and J. Fischer, Properties of Polymeric Thin Films by Integrated Optical Techniques ..	168
Mauer, J. L., H. C. Pfeiffer, and W. Stickel, Electron Optics of an Electron-Beam Lithographic System .....	514	Tacke, M., see Swalen, J. D. ....	168
Michail, M. S., see Engelke, H. ....	506	Talke, F. E., see Feliss, N. A. ....	289
Moore, R. D., see Davis, D. E. ....	498	Tang, D. T., see Maruyama, K. ....	254
Need, O. U., III, see Gipstein, E. ....	143	Tang, D. T., see Maruyama, K. ....	360
Nussbaumer, H. J., Linear Filtering Technique for Computing Mersenne and Fermat Number Transforms .....	334	Tang, D. T., see Wong, C. K. ....	281
Ouano, A. C., see Gipstein, E. ....	143	Traub, R. D., and J. P. Roth, Potential Significance to Neurophysiology of Design Algorithms for Digital Computers (C) .....	572
Ouano, A. C., see Tu, Y. O. ....	131	Tu, Y. O., and A. C. Ouano, Model for the Kinematics of Polymer Dissolution .....	131
Peters, R. J., Zero Order and Nonzero Order Decision Rules in Medical Diagnosis .....	449	Twardeck, T. G., Effect of Parameter Variations on Drop Placement in an Electrostatic Ink Jet Printer .....	31
Pfeiffer, H. C., see Mauer, J. L. ....	514	Ushiroda, T., see Matino, H. ....	576
Pimbley, W. T., and H. C. Lee, Satellite Droplet Formation in a Liquid Jet .....	21	van de Lindt, W. J., Digital Technique for Generating Synthetic Aperture Radar Images .....	415
Portig, H., see Curry, S. A. ....	10	Washo, B. D., Rheology and Modeling of the Spin Coating Process .....	190
Rabedeau, M. E., see Fleischer, J. M. ....	479	Wesley, M. A., see Lieberman, L. I. ....	321
Reed, W. H., see Beach, B. L. ....	75	West, D. L., see Fillmore, G. L. ....	37
Roth, J. P., see Traub, R. D. ....	572	Williams, M. C., see Davis, D. E. ....	498
Ryan, P. M., see Engelke, H. ....	506	Williams, T. H., see Buehner, W. L. ....	2
Santo, R., see Swalen, J. D. ....	168	Wong, C. K., and D. T. Tang, Dynamic Memories with Faster Random and Sequential Access .....	281
Sauer, C. H., see Lavenberg, S. S. ....	545	Woo, L., see Chow, W. M. ....	264
Shaw, J. M., M. A. Frisch, and F. H. Dill, Thermal Analysis of Positive Photoresist Films by Mass Spectrometry .....	219	Woodard, O. C., see Davis, D. E. ....	498
Shaw, J. M., see Dill, F. H. ....	210	Woods, J. W., see Buehner, W. L. ....	2
Smith, T. L., Strength and Related Properties of Elastomeric Block Copolymers .....	154	Zable, J. L., Splatter During Ink Jet Printing .....	315