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FACULTY PUBLICATIONS and Doctoral Dissertations 1978

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January 1 through December 31, 1978

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Article

Articles

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Frate, Dennis Anthony (D. Shimikin), Family functioning and hypertension in a black population.

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Harcos, Jorge Gabriel (D. Lathrop), The ceremonial precinct at Real Alto: Organization of time and space in Valdivia society.

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ANDERSON, JAMES R., Associate Professor, See: Housing Research and Development

HUTCHINGS, BRUCE L., Associate Professor

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MILLER, JAMES H., Professor Bulletin or Technical Report With Graduate Students Campus Development Planning Study. Urbana: Illinois UP, 56pp. ART AND DESIGN BETTS, EDWARD H., Professor Creative landscape painting. New York: Watson-Guptill, 152pp. COLBERT, CYNTHIA, Visiting Assistant Professor Book Review Instruction in monocular space concepts on the drawings of third grade pupils, by Donna Maddox. Review of Research in Visual Arts Education, (9: Winter 1978). pp. 93-6. FEHL, PHILLIP P., Professor Chapter in a Book Patronage through the ages. In the great ideas today, ed. by Hutchins and Adler. Chicago: Encyclopedia Britannica, pp 74-90. Ekphrasis or iconology? the case of the neglected cows in Titian's Rape of Europa. In Actas del XXIII congresso internacional de historia del arte, ed. by <u>Granada Spain</u>: <u>Plaza dela Universadad</u>, (1977), pp. 258-277. Articles John W. Dixon's art as a Hermenuetic of narrative. Colloguy (24:1977) 27-30. FRANCISCONO, MARCEL, Associate Professor Articles Paul Klee at the turn of the century (translated in German). Paul Klee in Munich (exhibition catalog). 1979 GAMBILL, NORMAN P., Assistant Professor Articles Making up kane. Film Comment (14: No. 6) 42-8. HARDIMAN, GEORGE, Professor Publications With Theodore Zernich Basic research: aesthetic behavior in the visual arts. Viewpoints, (6:1978) 29-38. A rating of graduate programs in art education. Review of Research in Visual Arts Education, 1978, 9, 5-6.

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AVNER, R. A., Senior Specialist in Automated Education

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ABRAHAM, JACOB A., Research Assistant Professor, Coordinated Science Laboratory; Assistant Professor of Electrical Engineering

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HUNSINGER, BILL, Research Associate Professor, Coordinated Science Laboratory; Associate Professor of Electrical Engineering

See Electrical Engineering

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JACKSON, E. ATLEE, Research Professor, Coordinated Science Laboratory; Professor of Physics

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MEDANIC, JURAJ, Visiting Research Associate Professor, Coordinated Science Laboratory

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- Burr, David Joseph (R.T. Chien), On computer stereo vision with wire frame models.
- Chan, Ching Ho (C.T. Sah), Application of exact steady-state equivalent circuit model to zincdoped silicon P/N junctions under forward bias.
- Crane III, John Kenton (J.T. Verdeyen), An investigation of the atomic fluorine laser excited in a hollow cathode discharge.
- Davidson, William Edward (G.A. Metze), The design of fault tolerant interconnection networks.
- DiEuliis, Val Anthony (F.P. Preparata), Coding for the control of intersymbol interference in baseband channels.
- Folkerts, Charles Henry (B. Kuo), Development of linear and nonlinear magnetic circuit models for the prediction of step motor static performance.
- Gardner, Jr., Benjamin Franklin (J. Cruz), Wellposedness of singularly perturbed Nash games.
- Goss, Stephen Anthony (F. Dunn), The role of collagen in the ultrasonic properties of tissue.
- Ho, Allen Pang-I (C.T. Sah), Theory and experiments on large signal surface transport in metal oxide semiconductor capacitors.
- Javid, Shabon Harold (P.V. Kokotovic), The timeoptimal control of singularly perturbed systems.
- Khalil, Hassam Kamal El-Din (P.V. Kokotovic), Multimodeling and multiparameter singular perturbation in control and game theory.
- Lai, Hang Hanley (J.B. Dyson), The determination of the direction of arrival of an interference field.
- Leslie, Scott George (J.T. Verdeyen), Electron-ion pair production and decay in two-step photoionized cesium vapors.
- Marcyk, Gerald Twiqgs (B. Streetman), Atomic and electrical profile studies of ion-implanted semiconductors.
- McLevige, William Victor (B. Streetman), Annealing studies of beryllium in gallium arsenide and gallium arsenide phosphide.
- Merritt, Sears William (O. Gaddy), Crossed-field sampling of picosecond optical signals.

- Rutledge, James Paul (F.P. Preparata), Depth oriented design for Nand networks.
- Schlein, Robert George (B.E. Cherrington), Ion extraction using electronic space charge fields-a theoretical analysis.
- Tsai, Mon-Yen (B.G. Streetman), Studies of highdose ion implantation insilicon.
- Tse, Edwin Chi-Yu (W.R. Ferkins), Model reduction and decentralized control of large scale systems using chained aggregation.
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- White, Jr., Samuel Grandford (O. Gaddy), A dynamic crossed-field photomultiplier with an electron bombarded semiconductor collector.
- Williams, Rhon Linn (L.Hollaar), A multoprocessing system for the direct execution of LISP.
- Young, Kar-Keung David (P.V. Kokotovic), Analysis and synthesis of high gain and variable structure feedback systems.

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ALTENBERND, A. Lynn, Professor

- Exhibit Catalog (Rare Book Room)
- With G. M. Hendrick
 - Carl Sandburg: a century of America. <u>Non Solus</u> 5 34 pp.
- BAYM, NINA, Professor and Director, School of Humanities

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MECHTLY, EUGENE A., Associate Professor of Electrical Engineering and 3/4T Assistant Dean, College of Engineering

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ENGINEERING ADMINISTRATION

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TAYLOR, CHARLES E., Professor of Theoretical and Applied Mechanics and $1/2\mathrm{T}$ Assistant Dean, College of Engineering

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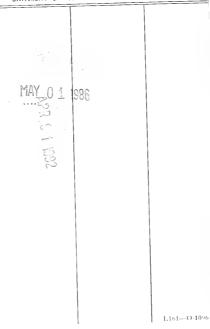
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ABRAHAM, JACOB A., Research Assistant Professor, Coordinated Science Laboratory; Assistant Professor of Electrical Engineering

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AHUJA, NARENDRA, Research Assistant Professor, Coordinated Science Laboratory; Assistant Professor of Electrical Engineering

See Electrical Engineering

- BROWN, DONNA J., Research Assistant Professor, Coordinated Science Laboratory; Assistant Professor of Electrical Engineering
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