the engineering position.

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To publication allow

July 21 to send applications re-
sponding to ad appearing in July Issue. Note: IEEE Computer Society member ads for posi-
tions wanted $10 up to 10 lines, $1 per line thereafter. Situations wanted ads run free for unemployed society members. Include IEEE member number in either case.

SITUATION WANTED

BS seeks learning experience with pay in software design. Experience programming COBOL, FORTRAN and in machine time-sharing and batch en-
vironments. Experience with NOS 1.5 CCL. Ex-
perience with FORTRAN interface to CYBER Record Manager, CYBER File Manager. Very familiar with FORTRAN 4 and 5. Familiar IBM 370 assembler, CYBER 18 assembler, Pascal, COBOL, BASIC. Have used PUG, SYMPL. Led documentation appraisal team on low speed memory systems. Have studied software design including life cycle, management concepts, testing concepts. Want practical experience. R. CHAMBERS, P.O. BOX 275, COM-
MERCE, GEORGIA 30529. 404-335-3796

HEAD, COMPUTER SYSTEMS LABORATORY

The Naval Training Equipment Center, Orlando, Florida, invites applications for the above position. The position requires extensive tech-
nical and managerial experience in all facets of computer technology such as computer and digital hardware analysis and design; computer architecture, analysis and design; software design and programming; testing; fabrication; design and analysis of real-time computer systems; with specialized training and experience in the application of computers to training systems and research. A degree in computer science or electrical electronics engineering is required. An advanced degree to the PhD level is highly desirable. Applicant should have established reputation in computer research/technology by published contribu-
tions that have advanced the state-of-the-art. Salary range from $40,685 to $60,599 pa (now limited to $57,500 pa). Send applications to: Naval Training Center, Code 061-Mrs. Hill, Orlando, Florida 32813. Applications must be received or postmarked by 30 November 1982. EQUAL OPPORTUNITY EMPLOYER.

WANTED

THIRD PARTY APPLICATION SOFTWARE PACKAGES

For AOS Operating Systems

To License to "Turnkey Users" - Capital Available.

Areas of interest:
- Electronic Spread Sheet Package
- Coordinate Geometry Package
- Computer Aided Design Package
- Assessors Package - property evaluation - capabilities
- Fire and Police Support Package
- Parcel Permit Tracking Package
- Parcel Based Lands Record Package
- Report Generating and Writing Package
- 3D Architectural Package
- Cartography

Requirements:
- Converse to Micro
- Respond to:
  P.O. Box 34098
  San Francisco, CA 94134

THE UNIVERSITY OF ALABAMA

IN HUNTSVILLE

The Computer Science Department invites ap-
plications for several tenure track and visiting fac-
ulty positions. The department offers BS, MS and PhD programs. Candidates should have a PhD degree in Computer Science or a related field and will be expected to contribute to an ongoing program of research and teaching. Rank is dependent upon qualifications. Salaries are competitive and applicants will be accepted as long as the positions remain open.

Part-time/full-time instructor positions are also available and require at least a Masters degree in Computer Science or related area. It is possible to pursue a PhD degree while working as an instructor.

Resume and three letters of reference should be directed to: Dr. S. G. Shiva, Chairman, Computer Science Department, The University of Alabama in Huntsville, Huntsville, Alabama 35899.

The University of Alabama in Huntsville is an equal opportunity/affirmative action institution.

DEPARTMENT OF ELECTRICAL ENGINEERING,

UNIVERSITY OF HAWAII,

invites applications from qualified assistant profes-

sor positions with specializations in computer engineering, computer-aided design, robotics, and physical electronics. Applicants must have a PhD degree and the ability to pur-
sue and supervise research, as well as a strong commitment to both graduate and undergrad-
ate teaching. To begin August 1, 1983. Please send resume including names of three refer-
ences by November 30, 1982 to: Chairman, Dept.

of Electrical Engineering, University of Hawaii, 2540 Dole Street, Honolulu, HI 96822.

UNIVERSITY OF CENTRAL FLORIDA

Electrical Engineering faculty positions are immediately available at the University of Central Florida; the areas of computer engineer-
ing, communications, microcomputers, and electro-optics are preferred. Duties include teaching undergraduate and graduate courses and participation in the development of depart-
mental research activities. Rank and salary commensurate with qualifications. The Orlando area offers a growing high-technology environment in a desirable geographic region. Send resume to Dr. B. E. Petrasko, Chair, EECS Department, University of Central Florida, Orlando, Florida 32816. UCF is an Equal Opportunity/Affirmative Action Employer.

BOSTON UNIVERSITY,

Metropolitan College

Computer Science Department has a tenure track faculty position at the Assistant/Associate Professor level, available January or Sep-
tember 1983. The department's eight full-time faculty members include software engineering, database, management systems, information systems, data communications, operating systems, and artificial intelligence. Computing facilities include an IBM 3081, a PDP-11/34, microcom-
puters and interactive graphics systems. The Metropolitan College Computer Science Program, one of the largest in the New England area, offers masters and bachelors degrees in computer science and information systems. The courses are offered primarily in the evenings and attract professionals from the surrounding high technology companies. The resulting student body provides a demanding and stimulating teaching environment. We are especially interested in a faculty member in management information systems develop-
ment. A PhD is preferred, but well qualified candidates with alternative experience will be considered. Applicants should send curriculum vitae and the names of three references to: Dr. Romualdas Skvarcius, Chairman, Metropolitan College Computer Science Program, Boston University, 755 Commonwealth Avenue, Room B-4, Boston, MA 02215. Boston University is an equal opportunity-affirmative action employer.

COLUMBIA UNIVERSITY

Columbia University Department of Electrical Engineering invites applications for a tenure-
track position of Assistant Professor of Elec-
trical Engineering available September 1983. Applicants should possess a PhD in Electrical Engineering or Computer Science or expect to receive it by July 1, 1983. Qualifica-
tions include ability to teach and do research in VLSI digital systems, CAD of IC, microcom-
puter systems and in such related areas as digi-
electronics, signal processing, robotics, or computer graphics. Candidates with previous industrial experience and demonstrated re-
search accomplishment preferred, but recent PhDs with commitment to teaching and ability to initiate research programs are encouraged to apply. Summer compensation is available. Excellent opportunity exists for extracurricular professional affiliation at research laboratories in nearby telephone and data communication computer, and aerospace companies.

Review of applications will commence Decem-
ber 2, 1982 and decision of offer of appointment will be made as suitable candidates are found. Please submit a detailed resume and the names of three references to Professor S. P. Chies-
inger, Chairman, Department of Electrical Engineering, Columbia University, 1312 Seeley Mudd, New York, N.Y. 10027 (212) 854-3010.

Columbia University is an Equal Opportunity/Affirmative Action Employer.
R&D POSITIONS
IN THE PACIFIC NORTHWEST

Signal/image Processing Engineer - The position involves working with an interdisciplinary team of scientists and engineers to develop advanced signal and image processing techniques for a variety of applications in industrial automation and consumer electronics. A broad engineering background is desirable. An advanced degree in electrical or computer engineering or mathematics is desirable. Five years in at least one scientific computing language is required.

Graphics/Database Researcher - Duties include the design and development of innovative graphics technologies, data base management, and user interfaces for analyzing large complex data sets. Applicants should have experience with sponsored research and good communication skills. Related experience with an advanced degree in Computer Science desired.

Computer Systems Engineer - Duties include the development of real-time mini and microcomputer systems as applied to process control, data acquisition, and interactive computing. A Bachelor's degree is required, with a MS in Electrical Engineering or Computer Science desired. A minimum of two years experience using DEC and/or Data General mini-computers is desirable.

UNIX Systems Software Specialist - Duties include the implementation and use of the UNIX operating system on a DEC VAX computer in a research laboratory. Experience with UNIX at the system level and a BS degree in Computer Science or engineering is required.

Battelle-Northwest is located in the Pacific Northwest at Richland, Washington. We offer excellent salary and benefits and a quality living and working environment. Write in confidence, detailing education and experience to: Loren P. Henderson, Manager-Employment, Battelle-Northwest, P.O. Box 999, Richland, Washington 99332.

THE UNIVERSITY OF TEXAS AT DALLAS

Endowed Professorship in computer science. Candidates must have a distinguished research record in mainstream computer science and be willing to participate in computer science education at all levels, BS through PhD. Strong record of excellence in teaching preferred. Excellent income available to be used at the discretion of the Professorship, subject to University regulations. Salary open. UT-Dallas is a growing university surrounded by a large technical community and has large and expanding undergraduate and graduate programs in computer science.

Applications should be sent to Academic Search #248, The University of Texas at Dallas, P.O. Box 688-AD 11, Richardson, Texas 75080. Indication of sex and ethnicity for affirmative action statistical purposes is requested but not required. UT-Dallas is an affirmative action/equal opportunity employer.


CAlifornia Institute of Technology
Department of Computer Science

Caltech invites applications for several full-time faculty positions, tenured and tenure-track, all levels, from persons with exceptional records and promise in research and teaching. Our young department seeks to strengthen and broaden its research and teaching program from a present emphasis on concurrent computation and VLSI into comprehensive, major areas, particularly in theoretical computer science. Caltech has highly selected students, excellent facilities, and attractive competitive faculty salaries. Please send a resume, list of publications, copies of your best publications, and names of at least three references to: Computer Science Search Committee, Caltech 256-80, Pasadena, CA 91125. Equal opportunity and affirmative action employer.

SCHLUMBERGER CHAIR IN MICROELECTRONICS

The Georgia Institute of Technology announces the establishment of a tenure-track Schlumberger Chair in Microelectronics. The primary appointment for this position will be in the School of Electrical Engineering with special emphasis in the activities of other Schools, such as Information and Computer Science or Physics. Major opportunities are also provided for interaction with participants in the Georgia Tech Microelectronics Research Center. The technical scope of the Center encompasses a broad spectrum of experimental and theoretical research activities ranging from materials synthesis and characterization to very large scale integration (VLSI) systems analysis and design methodology development. Applications and nominations for this senior position are now being accepted. Applicants must have a PhD. a record of distinguished performance in the specialty area, and well established potential for providing leadership in program development. It is expected that the chair holder will play a principal role in the definition and development of future Georgia Tech microelectronics related research and teaching emphases. Salary and program development funds available for support of this distinguished position are fully competitive. Resumes and nominations should be addressed to: John W. Hooper, Regents' Professor and Director of the Microelectronics Research Center, Georgia Institute of Technology, Atlanta, Georgia 30332. Georgia Tech is an equal opportunity, affirmative action employer.

U niversity of Portland

Electrical/Computer Engineering faculty positions at the University of Portland, a small private institution located in the beautiful Northwest. Rank open. Specializations in computer (hardware, software), VLSI design, electronics, power, or semiconductors. To teach undergraduate and graduate courses, participate in curriculum and laboratory development, and to contribute to the profession by research or consulting. We have excellent facilities and we reward quality undergraduate instruction. We are in a dynamic phase of development, and the new faculty members will contribute to this in an atmosphere of support, flexibility, and opportunity. We have strong ties with local industry and we encourage consulting. PhD is preferred, but consideration will be given to MS level candidates with industrial experience. Tenure track positions, available January 1983 or thereafter. Send resume to: Dr. Robert J. Albright, School of Engineering, University of Portland, Portland, Oregon 97203. Equal opportunity/affirmative action employer.

BRADLEY UNIVERSITY

The Department of Electrical Engineering and Electrical Engineering Technology invites applications for openings at the assistant/associate professor level beginning August 1983. Candidates should have teaching abilities and interests in one or more of the following fields: digital systems and computer engineering, circuit design, computer architecture, and bio-related areas. A new degree program in Computer Engineering is planned, providing a challenging opportunity for curriculum development.

Bradley University is an equal opportunity, affirmative action employer. Please submit a detailed resume including a statement of professional interests to:

Dr. T. L. Stewart, Chairman
Department of Electrical Engineering and Electrical Engineering Technology
Bradley University
Peoria, Illinois 61625

University of Illinois

A position of Assistant or Associate Professor of Computer Science is available effective January 1983. Duties include undergraduate/graduate teaching and research. An earned Doctorate in Computer Science and Computer Engineering is required. Our area is computer science and we are seeking interested candidates who can work in a related field and potential excellence in teaching and research. The positions require teaching in both graduate and undergraduate programs and also the role of participating in research projects. External funded research is encouraged.

The department currently has 12 tenure-track faculty pursuing research in areas including database systems, graphics, interconnection networks, simulation, image processing, expert systems and natural language processing. There are about 60 graduate students in the program. Diverse computing facilities, from large mainframes to microcomputers are available. The University of Florida is the oldest and largest in the State University System. It offers a wide range of academic disciplines and research institutes that conduct more than 90 doctoral programs. The University is located in Gainesville, a pleasant city of about 35,000 amid the woods and lakes of North Central Florida, midway between the Gulf and the Atlantic Coast.

Salary is competitive and commensurate with qualifications.

Application deadline is February 1, 1983. Send resume and three references to: C. Chairman, Faculty Screening Committee, CIS Department, 512 Weil Hall, University of Florida, Gainesville, FL 32611. 904/392-2371; An equal opportunity/affirmative action employer.

University of Florida

DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

Applications are invited for several tenure-track positions at all levels. The preferred starting date is August 1983, but other dates may be accommodated. Candidates must have a Ph.D. in Computer Science or in a related field and potential excellence in teaching and research. The positions require teaching in both graduate and undergraduate programs and external research. The University of Florida is the oldest and largest in the State University System. It offers a wide range of academic disciplines and research institutes that conduct more than 90 doctoral programs. The University is located in Gainesville, a pleasant city of about 35,000 amid the woods and lakes of North Central Florida, midway between the Gulf and the Atlantic Coast.

Salary is competitive and commensurate with qualifications.

Application deadline is February 1, 1983.

Send resume and three references to: C. Chairman, Faculty Screening Committee, CIS Department, 512 Weil Hall, University of Florida, Gainesville, FL 32611. 904/392-2371; An equal opportunity/affirmative action employer.
UNIVERSITY of CALIFORNIA, DAVIS
The Department of Electrical and Computer Engineering, University of California, Davis is inviting applications for several available faculty positions. UC Davis has a young and dynamic department with competitive salaries and one of the most desirable locations in California. The Department is seeking individuals who are versatile and strong in both teaching and research. We are interested in strong candidates in the following areas: Computer Software, Programming Languages, and Computer Hardware and Architecture. Applicants must have a PhD degree. Positions are available immediately; all positions are open until filled. The University of California is an affirmative action employer and encourages applications from women and members of minority groups. Send resumes and applications to: Faculty Search Committee, Department of Electrical and Computer Engineering, University of California, Davis, CA 95616.

UNIVERSITY OF NEW MEXICO. Seeking candidates for tenure track positions in Computer Engineering. Areas of special interest include, microprocessors, computer networks, software engineering, computer graphics, and computer architecture and operating systems. PhD in Electrical or Computer Engineering, or related disciplines required. Rank commensurate with qualifications. At senior level, candidate must have strong record of research and professional activity. Department offers studies in computer engineering from BS to PhD level. Computer facilities available for teaching and research include PDP 11/40 and PDP 11/44, instructional and research VAX computers, Logic Design and Real-Time Signal Processing and Control Laboratories, and COMTAL Image Processing system. Positions available Spring 1983. Applications to: Edward Angel, Electrical and Computer Engineering Department, University of New Mexico, Albuquerque, NM 87131, AA/EOE.

FACULTY POSITION IN COMPUTER ENGINEERING
The Department of Electrical and Computer Engineering at the University of California Santa Barbara, invites applications for a tenure-track faculty position beginning Fall 1983 in the area of Computer Engineering, with specialization in one of the following preferred: Computer Architecture, VLSI/Computer Design Automation, Fault Tolerant Computer Design, or Computer Communication Networks. The position starts at the rank of assistant professor, although higher level appointments are possible for individuals with outstanding records. Normally, completion of a Doctorate is required at the time of appointment. Candidates should have an outstanding research potential or a distinguished research reputation, the ability to attract external funding, and a strong commitment to teaching at the undergraduate and graduate levels. Applicants should send resume, copies of recent publications, and the names of at least four professional references to: Faculty Search Committee, Department of Electrical & Computer Engineering University of California Santa Barbara, CA 93106 (805) 961-3821. Applications will be accepted through January 15, 1983, or until position is filled. AN EQUITY OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

WANG INSTITUTE OF GRADUATE STUDIES
School of Information Technology Software Engineering Professionals
Did you leave (or never try to find) a university faculty position for all the well-known reasons: tenure, equitable pay, age, etc.? Have you gained enough experience in industry to appreciate how high-quality software should be developed and managed? Are you interested in getting involved with knowledge and experience to others? Do you ever think about returning to an academic environment? Circumstances have changed at some universities and the well-known reasons don’t hold anymore. Would you consider a teaching position offering excellent facilities and compensation to help develop curriculum emphasizing both technology and management, experienced professional students and faculty, and a commitment to teaching excellence? Then perhaps you should consider the Wang Institute; we haven’t changed, we started out that way. Faculty application due August 1983. We are accepting applications from software engineering professionals having extensive academic or industrial software design, implementation, or management experience. A graduate professional school located near the heart of Boston’s high-tech corridor, offers a unique environment for academic and professional growth. Qualified applicants having a PhD or equivalent experience should submit a resume, the names of three references, and a statement of professional specialization and past software development and implementation efforts to: Faculty Search Committee Wang Institute of Graduate Studies Tyng Road Tyngsboro, Massachusetts 01879 Rank and salary are individually determined and based upon combined academic and industrial experience. The Wang Institute is an independent, non-profit, equal opportunity employer.

ARMOUK UNIVERSITY
Department of Electrical and Computer Engineering, Yarmouk University, Jordan. Invites applications for faculty positions in the following areas: Computer Architecture and Compilers, Operating Systems, Data Bases, Computer Architecture, Microprocessor Systems, Design Automation. The positions are at the Assistant, Associate, and Full Professor levels and are available February and September 1983. A strong commitment to research and teaching at all levels is required. Applicants are invited to send their resume, copies of publications, and three references to: Dean, Faculty of Engineerin, Yarmouk University, Irbid, Jordan.

FACULTY POSITIONS
GEORGE WASHINGTON UNIVERSITY
The Department of Electrical Engineering & Computer Science expects to have openings for faculty positions starting in 1983. The areas of interest include Computer Science and Data Communications. Persons should have an earned doctorate and research experience, with an interest in both teaching and research and the ability to attract research grants and contracts for support of faculty and assistants. Send Curriculum Vitae, list of publications and references, to Professor A. D. Friedman, Chairman, Department of Electrical Engineering and Computer Science, School of Engineering & Applied Science, THE GEORGE WASHINGTON UNIVERSITY, Washington, D.C. 20052. The University is an affirmative action and equal opportunity employer.

Southeastern Massachusetts University invites applications for tenure track faculty positions in Computer Science. The primary responsibility is undergraduate teaching in a newly formed Computer Science program. PhD in Computer Science by September 1, 1983 required. Salary and rank negotiable. Applications must be received by: January 15, 1983. Send resume and three letters of reference to: Assistant Professor Anthony J. John, Chairman, Department of Mathematics and Computer Science, Southeastern Massachusetts University, Danvers, Massachusetts, 01923. SMU is a state university with a student enrollment of 5000 located 60 miles south of Boston near the coast midway between Cape Cod and Newport, RI. SMU is an equal opportunity/affirmative action employer. Applications from members of minority groups and women are particularly encouraged.

THE JOHNS HOPKINS UNIVERSITY
Department of Electrical Engineering
Applications are invited for 2 tenure-track faculty positions in computer science. These positions will be available in September 1983, although a starting date of January 1983 is also possible. Candidates for appointment at the assistant professor level are preferred, although associate professor and full professor candidates are also encouraged to apply. All areas of specialization are of interest. Candidates should have a strong commitment to both research and graduate education. Send resume, including names of at least 3 references, to: Wilson J. Rush, Chairman Department of Electrical Engineering & Computer Science The Johns Hopkins University Baltimore, Maryland 21218 The John Hopkins University is an equal opportunity/affirmative action employer.

ILLINOIS INSTITUTE OF TECHNOLOGY.
The Department of Electrical Engineering at Illinois Institute of Technology invites applications for tenure-track faculty positions to start in January or September, 1983. The areas of interest include, but are not restricted to, Computer Networks, VLSI, Digital Signal Processing, Computer Vision, Computer Graphics, Computer Architecture, VLSI Design, Robotics, and Knowledge-based Systems. A PhD degree and interest in both teaching and research at an equal opportunity/affirmative action employer.

THE UNIVERSITY OF VERMONT
Applications are invited for tenure track faculty positions in Computer Science. The incumbent will be expected to teach both undergraduate and graduate levels, to initiate and to conduct quality research programs and to supervise graduate student research. A PhD in Computer Science or a closely related field is required, with demonstrated research capability in mainstream computer science essential. Position is available September 1983. Applicants are expected to accept for as long as a position remains open. Send resume and the names of three references to Dr. S. Rush, Computer Science and Electrical Engineering Department, Votey Building, University of Vermont, Burlington, VT 05405. The University of Vermont is an equal opportunity affirmative action employer.
APPLIED COMPUTER SCIENCE UNIVERSITY OF WISCONSIN-PARKSIDE

A tenure-track faculty position is available starting January or August 1983. Rank and salary vary. A Ph.D. or Master's degree in computer science or related field is required. Teaching or research experience in one or more of the following areas is required: operating systems, software engineering, computer organization, compiler design, computer graphics. The University of Wisconsin-Parkside is one of 13 degree-granting campuses of the University of Wisconsin System and emphasizes quality instruction, research and professional involvement. The campus is located on a beautiful, wooded site near Lake Michigan in the center of the Chicago-Milwaukee industrial area; this area is rich in opportunities for research and development consulting. UW-Parkside computer facilities include mini- and micro-computers for instruction and research in industrial control systems, operating systems and computer organization; general interactive and batch computers including a PDP 11/70 and an IBM 4341; graphics terminals and an Evans and Sutherland PS-300. Applicants will be considered until the position is filled.

Professor T. V. Fossom, Chairman Engineering Science Division University of Wisconsin-Parkside Box 2000 Kenosha, WI 53141
Include names of three references. The University of Wisconsin-Parkside is an equal opportunity/affirmative action employer.

INDIANA UNIVERSITY CYCLOTRON FACILITY COMPUTER PROFESSIONAL

The Indiana University Cyclotron Facility invites applications for a computer professional to work in the field of high-level programing for high-speed, real-time data acquisition. IUCF operates the world's largest multipurpose, isochronous cyclotron, supported by a grant from the National Science Foundation. The laboratory is embarking on a program of computer replacement and expansion with purchases of DEC equipment and acquisition of microprocessors and VAX families. The position will include responsibilities in design and programming for system, services, I/O drivers including CAMAC, user utilities, and real-time data acquisition, primarily under VMS. The candidate should have at least a BS degree in computer science or equivalent, and previous experience, preferably in a DEC/VAX environment.

Send resume and names of three references to: Dr. E. J. Stephenson, Indiana University Cyclotron Facility, Milly B. Sampson Lane, Bloomington, IN 47405. Indiana University is an equal opportunity/affirmative action employer.

THE OHIO STATE UNIVERSITY DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE

Applications are invited for tenure-track positions at levels of assistant and associate professor. Candidates from all areas of computer science are encouraged to apply. The Department has a good record in both theoretical and applied areas of computer science. Sponsored and experimental research is conducted in artificial intelligence (knowledge base systems), computer communications, computer graphics, database systems, distributed systems, operating systems, parallel processing, programming languages and software engineering. Applicants should submit a resume and have three letters of reference sent to:

Professor Tse-yun Feng, Chairman Department of Computer & Information Science The Ohio State University CA 220A, 2036 Neil Avenue Mall Columbus, OH 43210

The Ohio State University is an equal opportunity/affirmative action employer.

ELECTRICAL ENGINEERING

Faculty Position

Cleveland State University: faculty position available in Digital Systems for research and teaching in BS, MS, and Doctoral programs. A tenure track faculty position in the digital systems area will be available in September, 1983. Doctorate in Electrical Engineering or related area required. Department offers full range of HP1000 mini-computer and Tektronix 8002 microprocessor development systems which can simulate a variety of microprocessors. University facilities include an IBM 370/158 system. Faculty professional development supported by liberal policies, and senior faculty are expected to acquire some faculty with research development. Appointment can be given at any faculty rank; rank and salary dependent upon qualifications. Appointments at Assistant Professor level carry salary range of $28,000 to $32,000 for nine months, with full summer salary assured for two years. Send resume and list of three references to: Professor James H. Burghart, Chairperson, Electrical Engineering Department, Cleveland State University, 1983 E. 24th Street, Cleveland, OH 44115. Application deadline of December 15, 1982.