Applicants

Candidatesshould

puter
tations.

in

November

Computer

which-

ed

references

are

Include

10 lines,

$10.00

Exceptions—IEEE

month

Department

Prof.

networks,

to,

expected
to,

and

contribute

sought

the

broad

and

combinatorics,

within

IEEE

Science

positions

in

the

Schoolof

data

management

programs

and

software

courses.

and

prior

are

IEEE

Society

Minimum

Charge-$30.00

Add $5.00 for

box number. Order due the first of the

month prior to month of publication.

Exceptions—IEEE Computer Society

member ads for positions wanted:

$10.00 up to 10 lines; $10.00 per line there-

after. Situations wanted ads for unem-

ployed Society members are run free. Include IEEE member number in either
case.

---

Classified Ads

Rates: Minimum charge—$30.00 up to
10 lines, average of six words per line;
$10.00 per line thereafter. Add $5.00 for
box number. Order due the first of the
month prior to month of publication.

Exceptions—IEEE Computer Society
member ads for positions wanted:

$10.00 up to 10 lines; $10.00 per line there-

after. Situations wanted ads for unem-

ployed Society members are run free. Include IEEE member number in either
case.

Computer Science Faculty Positions: Ap-

licants are sought to fill faculty positions in

the Department of Computer Science and/or

the Department of Electrical Engineering,

which are within the School of Engineering,

with rank and salary open. Positions to be fill-
ed are in the broad areas of:

• Systems and Software including, but not

limited to, compilers, operating systems,

computer networks, data base management

systems, and applications.

• Computer Engineering including computer

hardware and software, digital systems,

architecture, minicomputermicroprocessors,

and applications.

• Algorithmic processes including, but not

limited to, combinatorics, graph theory,

computational complexity, or artificial intelligence

and heuristic programming.

Candidates should have a Ph.D. degree and

will be expected to contribute to an ongoing

program of research and teaching at both the

undergraduate and graduate levels (B.S., M.S.,

Ph.D.). Senior applicants should have a proven

record of research and teaching. Junior ap-

licants should have demonstrated potential

in research and teaching. Applicants will be ex-

pected to contribute to strengthening existing

interdepartmental ties with Engineering and/or

Applied Mathematics.

Applicants should send resume and names of

references by December 1, to:

Prof. Horace Williams, Chairman

Computer Science and Engineering

Search Committee

Vanderbilt University

Box 1665, Station B

Nashville, TN 37235

State University of New York at Buffalo Depart-

ment of Computer Science, invites nomina-

tions and applications for the position of

CHAIRPERSON to begin summer or fall 1979.

Candidates should have a PhD in computer

science or a closely related area, and a strong

interest in teaching and research in an

undergraduate liberal arts college. Salary is

negotiable. Facilities in support of the program

include a 160K PDP-10 with approximately 30

terminals and assorted peripherals. Colgate is an

Affirmative Action, Equal Opportunity

Employer; applications from women and

minority group members are encouraged. For

further information, please contact:

Thomas E. Brackett, Chairman

Computer and Information Studies Program

Colgate University Computer Center

Hamilton, New York 13346

Colgate University: A faculty position at the in-

structor or assistant professor level is available

in January or September 1979. Can-

didates should have a PhD in computer

science or a closely related area, and a strong

interest in teaching and research in an

undergraduate liberal arts college. Salary is

negotiable. Facilities in support of the program

include a 160K PDP-10 with approximately 30

terminals and assorted peripherals. Colgate is an

Affirmative Action, Equal Opportunity

Employer; applications from women and

minority group members are encouraged. For

further information, please contact:

Thomas E. Brackett, Chairman

Computer and Information Studies Program

Colgate University Computer Center

Hamilton, New York 13346

Electrical Engineering faculty positions are

available in the areas of computer engineering

and large scale integrated circuits. Qualifica-

tions must be commensurate with rank and in-

clude an outstanding academic record, signifi-

cant involvement in original research, sincere

interest in teaching, and a doctorate in elec-

trical or computer engineering. Duties will in-

clude teaching undergraduate and graduate
courses. Send resumes to Dr. H. H. Woodson,

Chairman, Department of Electrical Engineer-

ing, The University of Texas at Austin, P. O.

Box 7728, Austin, Texas 78712, an Equal Op-
portunity and Affirmative Action Employer.

University of Oklahoma is seeking faculty

members for expanding Computing Sciences

positions. The CS faculty is responsible for MS

and PhD programs and for new undergraduate

programs offered both in Engr. & Arts & Sciences. Although these programs share

some interests with Electrical Engr., the range

of CS faculty and student interests extend over

the full spectrum of computing sciences. In

filling these positions all areas of computing

science will be considered, but preference will

be given to individuals whose interests & ex-

perience enhance the existing faculty capabili-

ty. Duties will include student advising,

graduate & undergraduate teaching, supervi-

sion of graduate research, and development

of research programs & support. Applicants

must hold an appropriate doctorate & a combina-

tion of education & experience that will contrib-

ute to the ongoing program capability. Positions

open Sept. 1979 or earlier if mutually

agreed. Applications must be received by

Dec. 1, 1978, to receive consideration for initial

screening; however, applications will be ac-

cepted until positions are filled. Address in-

quiries and applications to: M.E. Council,

Director, School of Electrical Engr. & Com-

puting Sciences, College of Engr., University

of Oklahoma, Norman, OK 73019. The Univer-

sity of Oklahoma is an Equal Opportunity,

Affirmative Action employer.

Minnesota Faculty Position: The Dept. of Com-

puter Science at Moorhead State University

has a tenure-track position open beginning

November 27, 1976. Teaching facilities are ex-

cellent in this well-established, growing

department, and the person hired will join an

enthusiastic, compatible faculty. Academic-

year salaries range from $14,500 for Instructor

to a maximum of $23,658 for Associate Pro-

fessor, with excellent fringe benefits. Process-

ing of applications will begin November 15,

1978 but applications will be accepted until the

position is filled. Send application to Dr. Mar-

tin Holoiien, Chairperson Search Committee,

Moorhead State University, Moorhead, MN

56560.

An Affirmative Action/Equal Opportunity

Employer

The University of Michigan

Department of Electrical and

Computer Engineering

Faculty Positions in Computers

Applications are invited for two tenure-track

positions as Assistant Professors of Electrical

and Computer Engineering. Candidates should

have a PhD in computer engineering, computer

science or electrical engineering as well as teaching

and research strength in the theoretical and design

aspects of computers and computer systems with

particular emphasis on software engineering and

real-time computer systems and digital control.

Teaching duties include graduate and

undergraduate courses. Will also participate in

the Graduate Program in Computer, Informa-

tion and Control Engineering (CICE).

Send resume and names of three references to

Chairman of Search Committee, K.B. Irani,

Department of Electrical and Computer

Engineering, The University of Michigan, Ann

Arbor, MI 48109. A non-discriminating/affirma-

tive action employer.
University of Oklahoma seeks experienced faculty member for expanding Computing Sciences program. The CS faculty is responsible for MS and PhD programs and for new undergraduate programs offered both in Engr. and in Arts & Sciences. Although these programs share some interests with Electrical Engr., the range of CS faculty and student interests extend over the full spectrum of computing sciences. In filling this position all areas of computing science will be considered, but preference will be given to individuals whose interests and experience enhance the existing faculty and capability. Duties will include student advising, graduate & undergraduate teaching, supervision of graduate research, development of research programs and support. Applicants should hold an appropriate doctorate along with significant academic experience or related experience in research & development. Appointment is contingent at associate level, but actual rank and salary will depend upon qualifications. Position available September 1979 or earlier if mutually agreeable. Applications must be received by Dec. 1, 1978, for full consideration in initial screening, however applications will be accepted until the position is filled. Ad- dresses and telephone numbers: M.E. Council, Director, School of Elec. Engr. & Computing Sciences, College of Engr., University of Oklahoma, Norman, OK 73019. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR
SCHOOL OF INFORMATION AND COMPUTER SCIENCE

Applications are solicited for the position of Director of the School of Information and Computer Science at the Georgia Institute of Technology. Applicants for the position should be qualified to hold the rank of Professor, be active senior researchers in the field, and be able to document administrative experience. Evidence of scholarly achievement is essential. Interested parties should send curriculum vitae and names of five references to: Dr. L. Chiaramiglio, Chairman, Search Committee, School of Information and Computer Science, Georgia Institute of Technology, Atlanta, Georgia 30332. An equal opportunity, affirmative action employer.

University of Illinois at Urbana-Champaign: A limited number of positions for Assistant Professors to carry out instruction and research beginning Fall 1979. All fields will be considered, particularly given to fields of operating systems and systems programming. Salary open. Position can lead to tenure. Recent PhD in computer science (or allied discipline) required. (regardless of chronological age). To assure complete consideration, applications should be received by March 15, 1979. Submit resumes to: Professor J.H. Snyder, Head, Department of Computer Science, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801. Phone: (217) 333-3426. The University of Illinois is an affirmative action/equal opportunity employer and encourages applications from members of minority groups and women.

Faculty Position Opening
The Computer Science Department of the School of Advanced Technology of State University of New York at Binghamton seeks faculty in software engineering, fault-tolerant computing, distributed processing, microprocessors and applications, data base systems, compilers and operating systems. This dynamic growing department offers programs leading to the M.S. and Ph.D. The industry community nearby (IBM, GE, Singer-Link, etc.) offers excellent opportunities to SUNY faculty for interactions with the computer industry. Send resumes and four references to: Dr. Stephen Y. H. Su Chairman, Computer Science Department School of Advanced Technology State University of New York Binghamton, New York 13901 An Equal Opportunity/Affirmative Action Employer.

Assistant Professor of EE, Ohio State University, tenure track position. Applicants must have a PhD in electrical or computer engineering, or related fields. Teaching duties will be given with specialization in digital systems or computer engineering. Applicants will be expected to teach undergraduate and graduate courses in electrical engineering and conduct research. Send applications by February 1, 1979. Send applications to: Dr. H. C. Ko, Chairman, Department of Electrical Engineering, The Ohio State University, 2015 Neil Avenue, Columbus, Ohio 43210. An equal opportunity/affirmative action employer.

BOSTON COLLEGE invites applications for tenure-track faculty positions in Computer Sciences starting January 1978 or Fall 1979, at Assistant Professor, Associate Professor or Instructor levels. Strong interest in teaching and research required. Please send resume to: Prof. Peter Kugel, Computer Science Dept. Fulton Hall, Boston College, Chestnut Hill, MA 02167. Boston College is an equal opportunity employer committed to an employment policy that adds diversity in its hiring and promotes a diverse work force. We encourage applications from women and minority candidates. An equal opportunity/affirmative action employer.

The University of Iowa
Department of Computer Science

Applications are invited from qualified candidates to fill several positions at the levels of Assistant Professor, Associate Professor, and Professor. The Department is well-established and offers B.A., B.S., M.S. and Ph.D. degrees. We are seeking individuals with teaching and research interests in a variety of areas including, but not exclusively, artificial intelligence, database systems, operating systems, programming languages, and software engineering. Applicants for senior positions should have demonstrated excellence in teaching and research. Please send resumes and references to:

Prof. Robert J. Baron Chairperson, Faculty Search Committee Department of Computer Science The University of Iowa Iowa City, Iowa 52242

The University of Iowa is an Affirmative Action and Equal Employment Opportunity Employer.

California State University, Northridge
Department of Computer Science

Due to vigorous growth in student enrollment, faculty positions continue to be available in the Computer Science Department. Positions are available for Spring '79 semester (beginning in late January) as well as for the '79-80 academic year. Areas include: Data Base Systems, Graphics, Artificial Intelligence, Operating Systems, Systems Architecture, Qualifications: Ph.D., industrial experience desirable. Send resume to: Philip Gilbert, Chairman, Department of Computer Science, California State University, Northridge, California 91330. To ensure consideration for positions beginning in Fall 1979, applications should be sent on or before February 28, 1979. Equal opportunity and affirmative action employer.

Faculty Position—Computer Science, Murray State University: This is a tenure track position commencing January 1, 1979 or August 1, 1979. Qualifications: Ph.D. in Computer Science. Teaching and industrial experience desirable. The successful candidate will be expected to teach courses in programming languages and operating systems. Rank and salary dependent upon qualifications and experience. Send application, resume, three confidential letters of reference, undergraduate and graduate transcripts to: Dr. Robert C. Etherton Box 2109 University Station Murray, KY 42071

Murray State University is an Equal Opportunity Employer, M/F, and encourages applications from all qualified persons.

University of South Carolina: Faculty openings in electrical and computer engineering. Desired specialty is computer engineering (hardware/software). A doctorate in electrical or computer engineering is required. Please send your resume to: Dean J.D. Waugh, College of Engineering, University of South Carolina, Columbia, SC 29208. An equal opportunity employer.

POSITION ANNOUNCEMENT
The Department of Electrical Engineering at Rice University has an opening for an Assistant Professor in the area of Computer Science and Engineering to start in January or September 1979. While we will consider applicants in any area of Computer Science and Engineering, we are particularly interested in applicants with a background in Programming Languages, Operating Systems, or Data Base Engineering. Applicants should hold a PhD degree. The position will involve graduate and undergraduate teaching as well as the supervision of graduate research. Resumes and the names of three references should be sent to J. B. Pearson, Chairman, Department of Electrical Engineering, Rice University, Houston, Texas 77001. Rice University is an equal opportunity-affirmative action employer.
Faculty Position—Computer Engineering: Applications are invited for a position beginning January 1979 or thereafter at the Assistant or Visiting Associate Professor level in the Department of Electrical and Computer Engineering of the University of Wisconsin-Madison. Qualifications include a doctorate in Electrical Engineering or hardware-oriented Computer Science. Preferred research emphasis is in computer architecture, machine organization, or microprocessor system architecture. Contact: D. W. Novotny, Chairman, Department of Electrical and Computer Engineering, University of Wisconsin, 1425 Johnson Drive, Madison, WI 53706; phone 608/262-3840. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.

Layout
Difficulty Analysis Program
PCB design evaluation tool provides insight into relative complexity of a wide range of layout problems. Use for pre-design screening, cost/schedule estimation and evaluating proposed packaging configurations. Highly portable FORTRAN IV, well documented and in use by enthusiasts. Installation, conversion and custom modifications available.

V.R INFORMATION SYSTEMS, INC.
1101 Sand Plum Lane
Wichita, KS. 67212

Computer Science/Computer Related Mathematics Assistant Professor tenure track position with employment to begin February 1979 or August 1979. Requirements include a PhD in Computing, or knowledge of and commitment to computing with a PhD in Numerical Analysis, Approximation Theory, Applied Analysis, Differential Equations, Combinatorics, Logic (with orientation to Computing), Mathematical Physics, Operations Research, Systems Engineering, Digital Signal Processing, or Pattern Recognition. Academic Year Base Salary: $14,030 to $18,748. By December 18, 1978, send resume, transcripts, and three letters of recommendation to: Search Committee, Mathematics Department, Slippery Rock State College, Slippery Rock, PA 16057. Affirmative Action/Equal Opportunity Employer.

The Computer Science Department, University of Minnesota, is soliciting applications for three tenure track assistant professor level positions in the areas of computer architecture, software engineering, data base systems, and numerical analysis. Additionally, applications are solicited at all levels for visiting faculty (one or two years preferred) in all areas of computer science. Resumes should be sent to: Professor W.R. Franta Computer Science Department 136 Lind Hall University of Minnesota 207 Church Street S.E. Minneapolis, Minnesota 55455

The University of Minnesota is an equal opportunity employer.

Clemson University
Head, Department of Computer Science
Clemson University invites applications for the position of Head of the Department of Computer Science. The qualifications include demonstrated teaching, research, leadership, and administrative abilities, a broad background in computer science and a Ph.D. degree. This is a 12-month position, beginning on or before July 1, 1979. The new head will administer an expanding department that is developing programs to train both academic and industrial computer scientists. Applications and inquiries should be made to:

Dr. A.J. Turner, Chairman
Computer Science Faculty Search Committee
Clemson University
Clemson, South Carolina 29631
(803) 656-3444

Applicants should submit a resume, and request three letters of recommendation to be sent directly to the Chairman of the Search Committee. Applications must be received by January 15, 1979 for serious consideration.

Clemson University is an Equal Opportunity/Affirmative Action Employer.

Magnetic Recording Research: Applied research openings are immediately available for self-motivated, analytic-minded engineers or scientists. These positions include conceiving new knowledge of magnetic recording devices and systems via combined theoretical and experimental investigations and evaluation of state-of-the-art components of related research projects. Candidates must have an advanced degree in electrical engineering or applied physics with a minimum of two years practical digital/analog circuit and system design experience. A working knowledge of microprocessors and the use of computers in problem solving is highly desirable. Background in magnetic recording and signal processing or communications is preferred. Please submit resume to Dr. Ross H. McTigue, Professor of Electrical Engineering, University of Massachusetts, 888 North Road, Sudbury, Massachusetts 01776. An Equal Opportunity Employer.

Faculty Positions in Computer Science—The University of Colorado at Boulder. Applications are invited for several tenure-track positions at the associate, associate or full professor rank. (A one-year visitor position may also be available.) Candidates should be interested in all areas of specialization within computer science will be considered; the department has a special interest in candidates in the software systems area. Candidates should be interested in both research and teaching. A starting date of September, 1979, is preferred but other dates can be considered. Applications should include a curriculum vita, a statement of future research plans, an indication of teaching interests, and the names and addresses of three or more references. Non-U.S. citizens should include an explanation of their visa status. Applications will be accepted until 1 June 1979; positions may, however, be filled beginning 1 November 1978. Send inquiries and applications to: Professor William E. Riddle, Computer Science Department, University of Colorado, Boulder, Colorado 80309. The University of Colorado is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS

School of Information and Computer Science
Georgia Institute of Technology
Atlanta, Georgia 30332

The School of Information and Computer Science anticipates filling one or more faculty positions in the coming academic year. These may be at either junior or senior ranks. The School offers the BS, MS, and PhD degrees with specialization in either information or computing science. It currently has a student population of nearly 600 majors including 150 graduate students. Applicants from all fields of information and computer science will be considered. Applicants for senior positions should have a record of scholarly achievements and be able to begin direction of doctoral students. The department has an unusually well equipped computing laboratory devoted entirely to research as well as easy access to extensive Institute facilities for general computing. Send resume and names of three references to: Professor Richard A. DeMillo Chairman, Faculty Search Committee School of Information and Computer Science Georgia Institute of Technology Atlanta, Georgia 30332

Georgia Tech is an equal opportunity employer.

Department of Computer Science, State University of New York at Buffalo, invites applications for two new faculty positions at any level to begin September, 1979. Applicants for an Assistant Professorship must have earned a PhD in Computer Science by September, 1979 and show evidence of developing a strong research program. Applicants for an Associate or Full Professorship must have a proven record of accomplishment in computer science. Send resume to Professor Stuart C. Shapiro, Acting Chairman, Department of Computer Science, SUNY at Buffalo, 4226 Ridge Lea Road, Amherst, New York 14226.

SUNY is an Affirmative Action/Equal Opportunity Employer.

November 1978