Call for papers and referees for Computer

Computer seeks articles for inclusion in several upcoming special issues.

Neural networks will be covered in the March 1988 issue.

Topics include, but are not limited to:
- neural network architectures;
- electronic and optical neurocomputers;
- applications of neural networks in vision, speech recognition and synthesis, robotics, image processing, and learning;
- self-adaptive and dynamically reconfigurable systems;
- neural network models;
- neural algorithms and models of computation; and
- programming neural network systems.

Papers must not have been previously presented or published; they also must not be currently submitted for journal publication.

Submit a 200-word abstract as soon as possible to Bruce Shriver, editor-in-chief, Computer, IBM T. J. Watson Research Center, PO Box 704, Yorktown Heights, NY 10598; (914) 789-7626; arpanet: shriver@ibm.com; bitnet: shriver at ykvnh; compmail b : b.shriver.

Eight copies of the complete manuscript will be due by August 30, 1987. Authors will be notified of acceptance by November 1, 1987. The final version of the manuscript will be due no later than December 1, 1987.

Multiple-valued logic will be the theme of the April 1988 issue.

Some suggested topics:
- device technology,
- fuzzy logic,
- optical computing,
- algebraic aspects,
- logic design, and
- applications.

Submit 10 copies of each manuscript by September 15, 1987, to Jon T. Butler, Before August 15, 1987, Butler can be reached at the Naval Postgraduate School, Monterey, CA 93943-5100; (408) 646-3299. After that date he can be reached at Northwestern University, Dept. of Electrical Engineering and Computer Science, Evanston, IL 60201; (312) 491-5628.

Persons interested in serving as referees for this issue are asked to contact Butler and send him a list of their technical interests.

Artificial Intelligence and Education: This journal seeks both articles and proposals for special issues devoted to particular topics. Persons in the US and the Far East should contact Elliot Soloway, Dept. of Computer Science, Yale University, New Haven, CT 06520. Persons in Europe should contact Masoud Yazdani, Dept. of Computer Science, Prince of Wales Rd., University of Exeter, Exeter EX4 4PT, England, UK.

Computer Society of the IEEE Technical Committee on Computer Education: Contributions up to five typewritten pages are welcomed for the TCCE newsletter, a forum for the exchange of ideas among persons interested in computer education or computers in education. Direct news items, short articles, and any correspondence to Helen Hays, Dept. of Computer Science, Southeast Missouri State University, Cape Girardeau, MO 63701; (314) 651-2244.

International Journal for Artificial Intelligence in Engineering: Papers are sought, particularly those with emphasis on research and development leading to problem-solving strategies. For information and submission requirements, contact D. Sriram, Dept. of Civil Engineering, Carnegie Mellon University, Pittsburgh, PA 15213 or K. J. MacCallum, Dept. of Ship and Marine Technology, Marine Technology Center, 100 Montrose St., Glasgow, Scotland, UK.

International Journal of Pattern Recognition and Artificial Intelligence: Submit four copies of manuscripts to H. Bunke, Universitut Bern, Institut fur Informatik und Angewandte Mathematik, Langgassstrasse 51, CH-3012 Bern, Switzerland, or Patrick Wang, College of Computer Science, Northeastern University, 360 Huntington Ave., Boston, MA 02115; (617) 437-3711.


1988 Eastern Simulation Conferences: Simulators V, Tools for the Simulationist, the Simulation Profession, Credibility Assessment, and Simulation Languages (SCS): April 18-21, 1988, Orlando, Florida. Send one-page abstracts and session proposals by August 31, 1987, to Eastern Simulation Conferences, SCS, PO Box 17900, San Diego, CA 92117. Proposals for professional development seminars are also sought; these should be sent to SCS.


Second Conference on Applied Natural Language Processing (Association for Computa-
12th IMACS World Congress on Scientific Computation: July 18-22, 1988, Paris. This conference will devote a one-day session to second-generation expert systems. Papers are invited that describe expert systems that reason with deep knowledge. Emphasis will be put on work describing cooperation between heuristic and deep reasoning. Submit three copies of a 1000-word abstract by September 1, 1987, to Jean-Marc David, Laboratoires de Marcoussis, Computer Science Division, Route de Nozay, 91460, Marcoussis, France.


18th Conference on Computer Audit, Control, and Security (EDP Auditors Foundation, Inc.): April 10-15, 1988, Atlanta. Persons interested in speaking at this conference should send a one-page abstract of their presentation proposal and a brief biography. Send materials by September 11, 1987, to Program Chairman, EDP Auditors Foundation, PO Box 88180, Carol Stream, IL 60188-0180; (312) 653-0950.

COMPSTAN 88, 1988 Computer Standards Conference: March 21-23, 1988, Arlington, Virginia. Papers and proposals for panel sessions are sought. Submit five copies of papers (1000 to 5000 words) and five copies of proposals for panel sessions (include a list of four to five potential panelists) by September 14, 1987, to James A. Hall, National Bureau of Standards Bldg. 225, Rm. A266, Gaithersburg, MD 20899; (301) 975-3273.

Computer Networking Symposium: April 11-13, 1988, Arlington, Virginia. Submit four copies of the complete paper or of a 1000-word extended abstract by September 15, 1987, to Jeffrey Jaffe, IBM Research Center, PO Box 704, Yorktown Heights, NY 10598.


Fourth IEEE Conference on Artificial Intelligence Applications: March 14-18, 1988, San Diego, California. Full-length papers (5000 words maximum) and poster-session abstracts (1000 words maximum) that describe ongoing research are sought. Submit four copies of the full-length paper (include a 100-word abstract) by September 18, 1987, to Elaine Kant or Dennis O'Neill, Schlumberger-Doll Research, Old Quarry Rd., Ridgefield, CT 06877-4108. Submit four copies of poster-session abstracts to Elaine Kant or Dennis O'Neill by November 25, 1987. Demonstration proposals and panel session proposals are also sought and are due by November 25, 1987.

CHI-88, Conference on Human Factors in Computing Systems (ACM): May 15-19, 1988, Washington, DC. Send five copies of paper (3000 words maximum) by September 21, 1987, to Sylvia Sheppard, Computer Technology Associates, Inc., 14900 Sweitzer Lane, Suite 201, Laurel, MD 20707; (301) 369-2422. Proposals for panel sessions, interactive poster sessions, demonstrations of experimental or commercial user interfaces, video presentations, meetings of special-interest groups, and presentations by PhD students on their dissertations are also sought.


IEEE Software: Articles on compiler environments and porting techniques are sought for the May 1988 issue. Contact Ted Lewis, editor-in-chief, IEEE Software, c/o Computer Science Dept., Oregon State University, Corvallis, OR 97331; (503) 754-2744; CSnet, Lewis@oregon-state; Compmail + , t.lewis. Materials are due by October 1, 1987.


Rates: $12 per line, $120 minimum charge (up to ten lines). Average six typed words per line, nine lines per column inch. Add $10 for box number. Send copy at least six weeks prior to month of publication to: Heili Rex or Marian Tihan, Computer Magazine, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720.

In order to conform to the Age Discrimination in Employment Act and to discourage age discrimination, COMPUTER may reject any advertisement containing any of these phrases or similar ones: "...recent college grads..." or "...one to three years maximum experience..." or "...10 years maximum experience." COMPUTER reserves the right to append to any advertisement, without specific notice to the advertiser, "...suggests minimum requirements, not maximums." COMPUTER assumes that, since advertisers have been notified of this policy in advance, they agree that any age requirement, whether stated as ranges or otherwise, will be construed by the reader as minimum requirements only.

SYSTEM ENGINEER

Responsible for performing feasibility/engineering studies for computer integrated manufacturing projects; working with customer to define requirements of systems; performing functional and software design; leading managing teams to design and implement processes and computer hardware systems and software; managing subcontractors; and project-managing to achieve schedule and cost goals. B.S.E.E. or C.S. 4 years experience in systems engineering. Must have background in computer science. Experience in real-time software design and implementation. Knowledge of electronic assembly and automotive manufacturing processes, electrical and mechanical devices for automation, IBM-PCs, DOS, HP 1000, RTE OS, PASCAL, and C. Experience in applications engineering, defining customer requirements and project management. Knowledge of manufacturing management and control systems. Salary: $35,000/year. Job Site: Palo Alto. Send this ad and your resume to MSK 3083, P.O. Box 9560, Sacramento, CA 95823 not later than September 7.

UNIVERSITY OF VIRGINIA

COMPUTER PROGRAMMER. Immediate opening at the University of Virginia, Charlottesville, Virginia, for a computer programmer with a background in image processing who will be responsible for developing algorithms for cardiac imaging analysis using a kontron system with an array processor interfaced to a VAX 8550. Additional interface to NIH/NIH workstation also possible. Experience with FORTRAN-77 required. Salary and faculty status negotiable. Reply to Sanjiv Kaushal, M.D. Box 153, Division of Radiology, University of Virginia, Charlottesville, VA. 22908. Telephone: 804-924-5928. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.