CALL FOR PAPERS

Call for papers for Computer

Computer magazine seeks articles that cover the state of the art and important new developments in computer science, technology, and applications. Aimed at a broad audience with diverse interests and experience, Computer usually publishes surveys or tutorials that facilitate the transfer of technology from university to industry, from research to applications, and across specialized fields. Submit six copies of the manuscript, including illustrations, references, and authors’ biographies, to the editor-in-chief:

- Michael C. Mulder
  Applied Research
  University of Portland
  Portland, OR 97203
  Phone (503) 283-7433

Computer also seeks articles on topics relevant to upcoming special issues. Submit six copies of the manuscript directly to the guest editor:

- FAA’s Advanced Automation Program: Submit by July 15, 1986, to G. V. Kloster, 301 Dexter, Denver, CO 80220.

Lastly, Computer seeks special issue proposals and articles in the following topic areas:

- microprocessor architectures
- networking and distributed computing
- computer-integrated manufacturing
- software quality assurance
- programming environments

Prospective guest editors and authors should submit proposals and articles directly to Michael Mulder.

An authors’ information sheet can be obtained from Michael Mulder at the above address or from the IEEE Computer Society West Coast Office, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720; (714) 821-8380.

International Journal for Artificial Intelligence in Engineering: This journal emphasizes research and development leading to problem solving. Write for submission requirements to D. Sriram, Dept. of Civil Engineering, Carnegie-Mellon University, Pittsburgh, PA 15213 or K. J. MacCallum, Dept. of Ship and Marine Technology, Marine Technology Centre, 100 Montrose St., Glasgow, UK.

Robots 11/17th International Symposium on Industrial Robots (SME): April 26-30, 1987, Chicago, Illinois. Send abstract (approximately 100 words) and abstract submission form (available from Mike Tew at RJ/SME) by July 15, 1986, to RJ/SME, One SME Dr., PO Box 930, Dearborn, MI 48121; (313) 271-1500, ext. 359, telex 297742 SME ULR (via RCA).

24th Annual Allerton Conference on Communication, Control, and Computing: October 1-3, 1986, Monticello, Illinois. Papers suitable for 20-minute and 10-minute presentations are sought. Papers in the first category will be judged on the basis of a 1000-word summary, and papers in the second will be judged on the basis of a 500-word summary. Submit all materials by July 20, 1986, to Michael C. Loui, Coordinated Science Laboratory, University of Illinois at Urbana-Champaign, 1101 W. Springfield Ave., Urbana, IL 61801.


Fourth Symposium on Theoretical Aspects of Computer Science (ACTS, Gesellschaft fur Informatik): February 19-21, 1987, Passau, West Germany. Submit five copies of complete paper and of proposals by August 1, 1986, to David A. Gustafson, Computer Science Dept., Nichols Hall, Kansas State University, Manhattan, KS 66506; (913) 532-6350.

IEEE Infocom 87: Global Networks—Concept to Realization: March 30-April 2, 1987, San Francisco, California. Submit four copies of the complete paper by August 1, 1986, to Izhak Rubin, 6731 Boelter Hall, Electrical Engineering Dept., The University of California at Los Angeles, Los Angeles, CA 90024; (213) 825-2327.

Second Kansas Conference: Knowledge-Based Software Development: October 13-14, 1986, Manhattan, Kansas. Papers and proposals for panel discussions are sought. Submit five copies of complete paper and of proposals by August 1, 1986, to David A. Gustafson, Computer Science Dept., Nichols Hall, Kansas State University, Manhattan, KS 66506; (913) 532-6350.


ECS-87, 1987 Eastern Simulation Conference (SCS): April 6-9, 1987, Orlando, Florida. Abstracts for papers on the following topics are solicited: simulators, the simulation profession, tools for the simulationist, methodology and validation, and simulating the environment. Submit abstracts by August 31, 1986, to Denis LeClair, SCS, PO Box 17900, San Diego, CA 92117; (619) 277-3888.

Operations Research: Articles are solicited for a special issue on operations research in manufacturing. Submit papers by August 31, 1986, to Gabriel R. Bitran, Sloan School of Management, Room E53-390, MIT, Cambridge, MA 02139; (617) 253-2652.

Calls are listed according to submittal deadlines. Conferences that the Computer Society participates in or sponors are indicated by the IEEE Computer Society logo; others of interest to our readers are also included. For inclusion in “Call for Papers,” submit information six weeks before the month of publication (e.g., for the October 1986 issue, send information for receipt by August 15, 1986) to COMPUTER, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720.

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RESEARCH SCIENTIST

OCLC, Online Computer Library Center, Inc., has an opening at its corporate headquarters (Columbus, OH metro area) for a Research Scientist. Appropriate candidates should have an expertise and interest in and the ability to carry out independent research projects in one of the following areas: library needs and services, library automation, information science, artificial intelligence, database systems, user interface, telecommunications. Candidates should also have a Ph.D. or equivalent expertise in a discipline related to the above production. University of Computer Science, Informational Science or Library Science), experience in a research environment, and excellent verbal and written communication skills. Competitive salary and a comprehensive benefits package will be offered. For position description and company information, contact: Bill Wolfe, Technical Employment Representative, 6585 Franz Rd., Dublin, OH 43017. Phone: 1-614-764-6007. An Equal Opportunity Employer M/F.

CORNELL UNIVERSITY

Faculty Position

In Telecommunications

The School of Electrical Engineering at Cornell University invites applications for a tenure-track junior faculty position in Telecommunications. Candidate should have expertise and interests in optica communication systems, digital switching and networking, software and hardware for telecommunications, and related areas are encouraged. Interested persons should contact Professor J. A. Nation, Director, School of Electrical Engineering, Phillips Hall, Cornell University, Ithaca, New York 14853. Cornell University is an Equal Opportunity, Affirmative Action Employer.

RENSSELAER POLYTECHNIC INSTITUTE

Applications are invited for full-time, tenure-track positions in the Computer Engineering Program of the Electrical, Computer, and Systems Engineering Department. Applicants should have a doctorate in computer engineering, electrical engineering, computer science, or related fields, with an interest in an academic career combining research and teaching. Areas of particular interest at this time are computer networks and parallel processing, hardware design, distributed computing, CAD and VSLID design. The department has 49 full-time faculty members and approximately 180 students; extensive externally supported research. Last year it awarded 25 doctoral degrees, 125 masters degrees, and 225 baccalaureate degrees. It also maintains close ties with the Computer Science Department in the School of Science and with the interdisciplinary Center for Integrated Electronics.

The available positions are principally at the Assistant or Associate Professor level. Interested persons should send detailed resumes to:
Dr. Lester A. Gerhardt, Chairman
Electrical, Computer, and Systems Engineering Department
Rensselaer Polytechnic Institute
Troy, New York 12180-3590

R.P. I. is an EOD/A Employer.

OPERATIONS ENGINEER

(ENGINEER SYSTEM)

Develop satellite computer diagnostic systems for CT scanning, develop computer linkup for distant gynec, ultrasound, radiological labs, using MICROVAX, UNIX, and UNIX and TOPS-20 operating systems; analyze operational problems in software and expand software to include different modalities such as CT simulation; radiation simulation; work with Fortran, C-language computer languages; prepare models of software and computer hardware experimental problems and specify manipulative or computational solutions; evaluate implementation and feasibility of software development. M.S. (Industrial or Operation or Systems) plus one year experience in satellite computer system operation and maintenance. Must have hands-on 1-year experience with UNIX and TOPS-20 operating systems and working knowledge of IBM, DEC, VAX computers and Fortran and C-Languages. No smoking on the job. Salary $27,300 per year. 8:00-5:30 Monday-Friday. Job site and interview Camarillo, California. Send this ad and a resume to Job #MU #8856, P.O. Box 9509, Sacramento, CA 95823-0500, not later than 1 August 1986.

CAD SYSTEMS DEVELOPMENT ENGINEER

CAD SYSTEMS DEVELOPMENT ENGINEER with young, small company designing interactive graphical systems for engineering stress analysis, structural design, and architecture. Tasks include planning, design, programming, documentation, implementation, and maintenance of state-of-the-art systems; and supervision of other professionals involved in these tasks. Applicants must have graduate degree (Ph.D. preferred) in structural engineering or engineering mechanics; background in both numerical methods and CAD system design; programming experience in 3D interactive vector-refresh and raster-color graphics. Salary range $39,000-$46,000 depending on qualifications and experience; full fringe benefits. Resume and references to: INT No. 1, NYS Job Service, 677 S. Salina St., Syracuse, NY 13202. Refer Order No. NY 000437.

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Second International Conference on Computers and Applications: June 24-26, 1987, Beijing, China. Long and short papers are sought. Long papers will be judged on the basis of a 100-word abstract and the full text (20 double-spaced pages maximum); short papers will be judged on the basis of a 100-word abstract and a summary of 1000 words. To submit a paper in either category, send four copies of both required items by August 31, 1986, to Oscar N. Garcia, Dept. of Electrical Engineering and Computer Science, Room T-637, George Washington University, 801 22nd St., NW, Washington DC 20052; (202) 676-7175 or Zhang Xiaoxiang, Institute of Computing Technology, Academia Sinica, PO Box 2704; 100080 Beijing, China; phone 283131, ext. 556.

Ninth IEEE International Conference on Software Engineering (ACM): March 30-April 2, 1987, Monterey, California. Submit four copies of a paper (6000 words maximum; a full-page figure equals 300 words) that includes a short abstract and a list of keywords by September 1, 1986, to Robert Balzer, Information Sciences Institute, 4676 Admiralty Way, Marina del Rey, CA 90291 or Kouichi Kishida, Software Research Associates, 12-11, Hirakawa-cho, Chiyoda-ku, Tokyo 102, Japan.

Tapsoft 87, Joint Conference on Theory and Practice of Software Development: March 23-27, 1987, Pisa, Italy. Papers are sought for two conference events: (1) the Colloquium on Trees in Algebra and Programming and (2) the Colloquium on Functional and Logic Programming and Specifications. To have a paper considered for presentation at either colloquium, submit a draft version (10 to 15 pages) by September 1, 1986. Submit papers for Colloquium One to Ugo Montanari, Dipartimento di Informatica, Universita di Pisa, Corso Italia 40 1-36100 Pisa, Italy. For Colloquium Two, submit them to Giorgio Levi, Dipartimento di Informatica, Universita di Pisa, Corso Italia 40 1-36100 Pisa, Italy.

CSCC-87, 1987 ACM Computer Science Conference: February 17-19, 1987, St. Louis, Missouri. Papers (10 pages maximum) that are suitable for 20-minute presentations are sought. Submit five copies by September 5, 1986, to Arlan R. DeKock or George Zobrist, MCS 325, University of Missouri-Rolla, Rolla, MO 65401; (314) 341-4492. Short reports on current research activities are also sought (these should be suitable for 12-minute presentations and will be judged on the basis of a 500-word abstract), as are proposals for panel sessions and tutorials. Submit materials in these three categories by the same date to Arlan DeKock or George Zobrist.

18th Annual SigSce Technical Symposium (ACM): February 19-20, 1987, St. Louis, Missouri. Along with statement of intention to attend, submit five copies of the complete paper by September 5, 1986, to Dan C. St. Clair, Computer Science Dept. UMB, UM 301 Campus, 8001 Natural Bridge Rd., St. Louis, MO 63121-4499.

IEEE Transactions on Software Engineering: Articles are sought for a special issue on software for local area networks. Submit six copies of the article and an IEEE copyright release form by September 15, 1986, to Sushil Jajodia, Naval Research Laboratory, Code 7594, Washington DC 20375; (202) 767-3596 or Satish K. Tripathi, Dept. of Computer Science, University of Maryland, College Park, MD 20742; (301) 454-5165.

1987 ACM Sigmetrics Conference on Measurement and Modeling of Computer Systems: May 11-14, 1987, Banff, Alberta, Canada. Send six copies of paper (5000 words maximum) by September 23, 1986, to Derek L. Eager, Dept. of Computational Science, University of Saskatchewan, Saskatoon S7N 0W0, Canada.

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