Authors should strive to make their papers interesting and enjoyable to read, and should keep in mind that people with a broad range of backgrounds will be reading their articles, not just electrical and computer engineers. We encourage authors to use as many clear, explanatory figures as possible—they can make a substantial contribution to the readability and vitality of a technical article. Tutorial material explaining important concepts or introducing terminology should be included, and should be separated from the main text.

An excellent example of tutorial material appears on page 10 of our May 1981 issue, in “Sequence Controllers with Standard Hardware and Custom Firmware,” by Tabachnick et al. The original manuscript had no tutorial material; we are grateful to the authors for adding the introductions to information chunking, finite-state machines, and the BNF language.

Tutorial articles on a wide range of subjects are also welcome. Subjects such as digital filtering, fast Fourier transforms, operating system concepts, numerical software, z-transforms, and data acquisition techniques are appropriate for such articles. However, submissions of the “this-is-what-we-have-done-and-isn’t-it-wonderful” variety, which simply describe a microprocessor application but are devoid of technical detail, are not appropriate.

Z-80 and 8086 FORTH

FORTH APPLICATION DEVELOPMENT systems for Z-80 and 8086 microcomputers— including interpreter/compiler with virtual memory management, line editor, screen editor, assembler, decompiler, utilities, demonstration programs and 100 page user manual. CP/M (tm) compatible random access disk files used for screen storage, extensions provided for access to all CP/M functions.

Z-80 FORTH .................................................. $50.00
Z-80 FORTH with software floating point arithmetic ..... $150.00
Z-80 FORTH with AMD 9511 support routines .......... $150.00
8086 FORTH .................................................. $100.00
8086 FORTH with software floating point arithmetic .... $200.00
8086 FORTH with AMD 9511 support routines .......... $200.00

FORTH METACOMpiler system allows you to expand/modify the FORTH runtime system, recompile on a host computer for a different target computer, generate headerless code, generate ROMable code with initialized variables. Supports forward referencing to any word or label. Produces load map, list of unresolved symbols, and executable image in RAM or disk file.

Z-80 host: Z-80 and 8080 targets ....................... $200.00
Z-80 host: Z-80 8080, and 8086 targets ............... $300.00
8086 host: Z-80, 8080, and 8086 targets ............. $300.00

System requirements: Z-80 microcomputer with 48 kbytes RAM and Digital Research CP/M 2.2 or MP/M 1.1 operating system; 8086/8088 microcomputer with 64 kbytes RAM and Digital Research CP/M-86 operating system.

All software distributed on eight inch single density soft sectored diskettes. Prices include shipping by first class mail or UPS within USA and Canada. California residents add appropriate sales tax. Purchase orders accepted at our discretion.

To have an article considered for publication, the author should send five copies of the complete manuscript to the senior editor:

Richard C. Jaeger
Senior Editor, IEEE Micro
Electrical Engineering Dept.
207 Dunstan Hall
Auburn University, AL 36849

The papers will be reviewed by three referees; the review process has averaged 14 weeks over the last year. Author guides may be requested from the senior editor at the address above, or from the associate senior editor:

Peter R. Rony
Assoc. Senior Editor, IEEE Micro
Chemical Engineering Dept.
Virginia Polytechnic Institute and State University
Blacksburg, VA 24061

Finally, we would like to thank everyone who contributed to the success of this magazine during its first year of publication: the rest of the editorial board, the authors who submitted papers, and those individuals—listed below—who served as reviewers, to whom we extend special thanks.

H. Alles C. Kim
J. Archer P. Koeppen
D. Aspinall C. Kornfeld
C. Baker R. Krutz
T. Balph G. Langdon
J. Bernitt R. Linser
D. Bhavasar J. Lowry
J. Birdwell K. McDonough
D. Bradley T. Miller
M. Braff K. Muehlemann
T. Brubaker S. Nilsson
B. Carey C. Nunnally
R. Carr J. Quanstrom
G. Carson C. Ramamoorthy
A. Collins R. Ramey
G. Cook J. Raymond
H. Cragon N. Rich
J. Cross T. Saadawi
J. Deliyannis D. Siewiorek
B. Derivasoglou S. Starks
S. Director R. Stewart
D. Doyle J. Stoughton
K. Elmqquist M. Varanasi
J. Fong J. Wakerly
D. Frailey R. Wedig
C. Gratton J. Wener
J. Howard C. Ziegler
P. Jessel W. Zwaanpoel

Laboratory Microsystems
4147 Beethoven Street
Los Angeles, CA 90066
(213) 390-9292

We are looking forward to a great second year and encourage you to help us by contributing suggestions as well as articles.