INSTRUCTIONS TO AUTHORS

Scope

Papers may describe original technical work, survey an area, or present a tutorial; and may be either short or long. Anything related to functional programming is of interest, including: foundations (semantics, abstract interpretation, lambda calculi, rewriting, logic, type theory, category theory); implementation (compilation, architectures, parallelism, garbage collection, I/O, debugging, profiling); linguistics (pure and impure language features, non-determinism, side effects, logical variables, relation to other programming paradigms, proofs about programs, program transformation, program synthesis, partial evaluation); applications (applications programs, practical experience, programming techniques, prototyping).

Submission of manuscripts

Papers may be submitted to any of the editors. Four copies should be sent, accompanied by the author's mailing address, telephone number and, if possible, an electronic mailing address. Papers should not be submitted in the same form elsewhere. Upon acceptance of a paper, the author will be asked to transfer copyright to the publisher.

Layout of Manuscripts

Papers should be type-written or type-set in double spacing throughout, on one side of the paper. Please avoid footnotes if possible. Papers must begin with an abstract of not more than 300 words.

Illustrations

Figures should be drawn in indian ink on good quality white paper or produced by computer to comparable quality. Wherever possible they will be reproduced with the author's original lettering. Originals of figures should not be sent until the paper has been accepted. A list of captions for figures should be attached separately.

Proof reading

Please submit papers in their final form. Typographical or factual errors only may be changed at the proof stage. Authors may be charged for correction of non-typographical errors. No page charge is made.

References

The Harvard system of references will be used in order to make alterations easier. Papers should be referred to in the text by author's surname and year of publication and listed in alphabetical order at the end of the main text. Please include the article's title in the reference, which should be in the order: author's surname, initials; year in parentheses; article title; journal name, abbreviated in accordance with the World List of Scientific Periodicals (4th Edn); volume number (underlined); inclusive page numbers.

Offprints

25 offprints of each article will be supplied free to each first named author. Extra offprints may be purchased from the publisher.

Please contact the editors for clarification of any of the above points.

COPYING

This journal is registered with the Copyright Clearance Center, 27 Congress Street, Salem, MA 01970. Organisations in the USA who are also registered with the C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$5.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0956-7968/91 \$5.00 + .00.

ISI Tear Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorised to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American branch of Cambridge University Press.

JOURNAL OF Functional Programming

VOLUME I PART 2 APRIL 1991

CONTENTS

Introduction to generalized type systems	
H. BARENDREGT	125
Modular proof of strong normalization for the calculus of constructions	
H. GEUVERS AND MJ. NEDERHOF	155
Retrieving reusable software components by polymorphic type	
C. RUNCIMAN AND I. TOYN	191
Domain generating functions for solving constraint satisfaction problems	
F. MAJOR, G. LAPALME AND R. CEDERGREN	213
Theoretical Pearls: Self-interpretation in lambda calculus	
H. BARENDREGT	229
Functional Pearls: On removing duplicates	
P. PARP.	225

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP 40 West 20th Street, New York, NY 10011-4211, USA 10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain by the University Press, Cambridge