JOURNAL OF

Functional Programming

VOLUME 23 PART 6 NOVEMBER 2013



CAMBRIDGE UNIVERSITY PRESS

EDITORS-IN-CHIEF

Matthias Felleisen, College of Computer Science, Northeastern University, Boston, Massachusetts 02115, USA, matthias@ccs.neu.edu

Benjamin Pierce, Department of Computer and Information Science, University of Pennsylvania, 200 South 33rd Street, Philadelphia, PA 19104-6389, USA. bcpierce@cis.upenn.edu

EDITORS

Lennart Augustsson, Standard Chartered Bank, Sweden, email: lennart.augustsson@gmail.com [Commercial Uses Editor]

Jeremy Gibbons, Oxford University Computing Laboratory, Wolfson Building, Parks Road, Oxford OX1 3QD, UK, jeremy.gibbons@comlab.ox.ac.uk [Functional Pearls Editor]

Robert Harper, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA 15213-3890, USA. rwh@cs.cmu.edu [Theoretical Pearls Editor]

Dr Ralf Hinze, Oxford University Computing Laboratory, Wolfson Building, Parks Road, Oxford OX1 3QD

Shriram Krishnamurthi, Computer Science Department, Box 1910, Brown University, Providence, RI 02912-1910, USA. sk+105@cs.brown.edu [Educational Editor]

Colin Runciman, Department of Computer Science, University of York, Heslington York YO10 5DD, UK. colin.runciman@cs.york.ac.uk [Tools and Applications Editor]

Stephanie Weirich, University of Pennsylvania, USA, email: sweirich@cis.upenn.edu

BOOK REVIEW EDITOR

Simon Thompson, Computing Laboratory, University of Kent, Canterbury, Kent CT2 7NF, UK. s.j.thompson@ukc.ac.uk

EDITORIAL BOARD

Andrew Adams-Moran, Galois Connections Inc, USA. adams-moran@galois.com

Lars Birkedal, IT University of Copenhagen, Denmark

Manuel M. T. Chakravarty, The University of New South Wales, Australia. chak@cse.unsw.edu.au

Olivier Danvy, University of Aarhus, Denmark. danvy@brics.dk

Jean-Christophe Filliatre, Parc Orsay Université, France

Robert Findler, Northwestern University, USA. robby@cs.uchicago.edu

Matthew Flatt, University of Utah, USA, mflatt@cs.utah.edu

Paul Hudak, Yale University, USA. paul.hudak@yale.edu

Graham Hutton, University of Nottingham, UK, gmh@cs.nott.ac.uk

Martin Odersky, Ecole Polytechnique, Federale de Lausanne, Switzerland. martin.odersky@epfl.ch

Norman Ramsey, Tufts University, 02155, USA. cs.tufts.edu

Manuel Serrano, INRIA Sophia Antipolis, France

Eijiro Sumii, Tohoku University, Japan, email: sumii@ecei.tohoku.ac.jp

INTERNET ACCESS

The JFP web site contains details of all papers published to date, information for authors, and other supplementary material at journals.cambridge.org/jfp

This journal issue has been printed on FSC-certifed paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.