Implementation of Functional Languages

12th International Workshop, IFL 2000 Aachen, Germany, September 4-7, 2000. Selected Papers

Bearbeitet von
Markus Mohnen, Pieter Koopman

ISBN 978 3 540 41919 8
Format (B x L): 15,5 x 23,3 cm
Gewicht: 478 g

Weitere Fachgebiete > EDV, Informatik > Programmiersprachen: Methoden > Prozeduroorientierte Programmierung

Zu Inhaltsverzeichnis

schnell und portofrei erhältlich bei

beck-shop.de
DIE FACHBUCHHANDLUNG

Die Online-Fachbuchhandlung beck-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.
Preface

The International Workshops on Implementation of Functional Languages (IFL) are a tradition that has lasted for over a decade. The aim of these workshops is to bring together researchers to discuss new results and new directions of research related primarily but not exclusively to the implementation of functional or function–based languages. A not necessarily exhaustive list of topics includes: language concepts, type checking, compilation techniques, (abstract) interpretation, automatic program generation, (abstract) machine architectures, array processing, concurrent/parallel programming and program execution, heap management, runtime profiling and performance measurements, debugging and tracing, tools and programming techniques.

IFL 2000 was held at Schloß Rahe, an 18th century castle in Aachen, Germany, during the first week of September 2000. It attracted 49 researchers from the international functional language community, presenting 33 contributions during the four days of the workshop. The contributions covered all topics mentioned above.

In addition, a special session organised by Thomas Arts from the Ericsson Computer Science Laboratory in Stockholm, Sweden, attracted several practitioners from industry who reported on their experiences using the functional language Erlang. The Erlang session was sponsored by Ericsson Computer Science Laboratory.

This year, the workshop was sponsored by local industry (Ericsson Eurolab Deutschland GmbH and debis Systemhaus Aachen), which indicates the growing importance of functional language concepts in commercial spheres. We thank our sponsors for their generous contributions.

With this volume, we follow the lead of the last four IFL workshops in publishing a high-quality subset of the contributions presented at the workshop in the Springer Lecture Notes in Computer Science series. All speakers attending the workshop were invited to submit a paper afterwards. Each of the 33 submissions was reviewed by three or four PC members and thoroughly discussed by the PC. We selected 15 papers for publication in this volume.

The overall balance of the papers is representative, both in scope and technical substance, of the contributions made to the Aachen workshop as well as to those that preceded it. Publication in the LNCS series is not only intended to make these contributions more widely known in the computer science community but also to encourage researchers in the field to participate in future workshops, of which the next one will be held in Stockholm, Sweden in September 2001 (see http://www.ericsson.se/cslab/ifl2001/ for further details).

January 2001

Markus Mohnen and Pieter Koopman
Program Committee

Markus Mohnen  (RWTH Aachen, Germany)
Pieter Koopman  (KUN Nijmegen, The Netherlands)
Marko van Eekelen (KUN Nijmegen, The Netherlands)
Sven-Bodo Scholz  (University of Kiel, Germany)
Thomas Arts    (Ericsson Computer Science Laboratory, Sweden)
Phil Trinder    (Heriot-Watt University, UK)
John Peterson   (Yale University, USA)
John O’Donnell  (University of Glasgow, UK)
John Glauert    (University of East Anglia, UK)
Colin Runciman  (University of York, UK)

Referees

Peter Achten       Greg Michaelson       Sjaak Smetsers
Maarten de Mol    Rinus Plasmeijer      John van Groningen
Frank Huch        R.F. Pointon          
Martin Leucker     Thomas Richert        
H-W. Loidl        Ronny Wichers Schreur  

Sponsors

Ericsson
Ericsson Eurolab
Deutschland GmbH

debis
debis Systemhaus Aachen
Author Index

Achten, Peter, 194
Arts, Thomas, 37
Chitil, Olaf, 176
van Eekelen, Marko, 158
Grelck, Clemens, 231
Gustavsson, Jürgen, 140
Hammond, Kevin, 122
Hamus, Michael, 89
Huch, Frank, 89, 107
Kirkham, Chris, 19
Kluge, Werner, 214
Klusik, Ulrike, 71
Koopman, Pieter, 158
Loidl, H.-W., 53
Loogen, Rita, 71
Niederau, Philipp, 89
Noll, Thomas, 37
Norbisrath, Ulrich, 107
O’Donnell, John, 249
Peña, Ricardo, 1
Peyton Jones, Simon, 194
Plasmeijer, Rinus, 158
Pointon, R.F., 53
Priebe, Steffen, 71
Rubio, Fernando, 71
Runciman, Colin, 176
Sargeant, John, 19
Schroeder, Raimund, 214
Segura, Clara, 1
Svenningsson, Josef, 140
Trinder, P.W., 53
Wallace, Malcolm, 176
Watson, Ian, 19
Zörner, Thorsten H.-G., 158