

# Preface

The 13th International Workshop on the Implementation of Functional Languages (IFL 2001) was hosted this year by Ericsson in Stockholm. The growing importance of functional languages in Ericsson products makes strong cooperation with universities attractive, and hosting IFL was one nice way to interact. Consecutive to IFL 2001, Ericsson had organized the annual *Erlang User Conference*, which over 100 (mostly industrial) users of the functional language Erlang attended. All participants of IFL 2001 were invited to stay for that conference as well. In this way, academia got a better insight into the potential of functional languages in industry, and industry got a feeling for upcoming ideas in this area.

IFL 2001 was held in September 2001 and attracted 43 researchers from the international functional language community. During the 3 days of the workshop, they presented no fewer than 28 contributions. The contributions covered topics on the implementation, and also the use of functional languages.

This volume follows the lead of the last five IFL workshops in publishing a high-quality subset of the contributions in Springer's Lecture Notes in Computer Science series. All speakers at the workshop were invited to submit a paper afterwards. These submissions were reviewed by three or four referees and thoroughly discussed by the program committee. From all submissions, 11 papers were selected 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 workshop in Stockholm 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. The next IFL will be held in Madrid, Spain in September 2002.

We would like to thank the program committee, the referees, and the authors of the papers for the work and time they have put into the workshop.

January 2002

Thomas Arts and Markus Mohnen

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.

## Program Committee

|                  |   |
|------------------|---|
| Peter Achten     | (University of Nijmegen, The Netherlands)   |
| Thomas Arts      | (Ericsson, Sweden)                          |
| Olaf Chitil      | (University of York, UK)                    |
| Chris Clack      | (University College London, UK)             |
| Kevin Hammond    | (University of St. Andrews, UK)             |
| John Hughes      | (Chalmers University of Technology, Sweden) |
| Pieter Koopman   | (University of Nijmegen, The Netherlands)   |
| Rita Loogen      | (Philipps University of Marburg, Germany)   |
| Markus Mohnen    | (RWTH Aachen, Germany)                      |
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| Ricardo Peña     | (Universidad Complutense de Madrid, Spain)  |
| Sven-Bodo Scholz | (University of Kiel, Germany)               |
| Phil Trinder     | (Heriot-Watt University Edinburgh, UK)      |

## Referees

|                   |                       |                      |
|-------------------|-----------------------|----------------------|
| Mustafa Aswad     | Frank Huch            | Konstantinos Sagonas |
| Adam Bakewell     | Werner Kluge          | Clara Segura         |
| Andre R. Du Bois  | Hans-Wolfgang Loidl   | Volker Stolz         |
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| Clemens Grelck    | Mikael Pettersson     |                      |
| Dilian Gurov      | Robert Pointon        |                      |

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Arts, Th.; Mohnen, M. (Eds.)

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