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**CALL FOR PARTICIPATION**  
**ACM SIGPLAN**  
**2001 Haskell Workshop**  
**Firenze, Italy, 2nd September 2001**

The Haskell Workshop is sponsored by ACM SIGPLAN and forms part of the PLI 2001 colloquium on Principles, Logics, and Implementations of high-level programming languages, which comprises the ICFP/PPDP conferences and associated workshops. Previous Haskell Workshops have been held in La Jolla (1995), Amsterdam (1997), Paris (1999), and Montreal (2000).

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### **Workshop programme**

The workshop received a total of 23 submissions and after careful consideration the programme committee selected the 10 papers below (6 regular, 4 pearls, and no application letters) for acceptance. The selection was competitive: several good papers had to be rejected.

Please, note that in addition to longer presentations on accepted papers, a number of slots for participants to make 10-minute informal presentations are available. To request such a slot, contact Ralf Hinze ([ralf@cs.uu.nl](mailto:ralf@cs.uu.nl)).

9.00 – 10.30: chaired by Ralf Hinze

Functional Pearl: "Derivation of a Carry Lookahead Addition Circuit",  
John O'Donnell and Gudula Rünger

Functional Pearl: "Inverting the Burrows-Wheeler Transform",  
Richard Bird and Shin-Cheng Mu

"Genuinely Functional User Interfaces",  
Antony Courtney and Conal Elliott

10.30 - 11.00:

Coffee break

11.00 - 12.30: chaired by Patrik Jansson

"Named Instances for Haskell Type Classes",  
Wolfram Kahl and Jan Scheffczyk

"A Functional Notation for Functional Dependencies",  
Matthias Neubauer, Peter Thiemann, Martin Gasbichler, and Michael Sperber

Report from the program chair and 10-minute talks (to be announced)

12.30 - 14.00:

Lunch

14.00 - 15.30: chaired by Ross Paterson

"GHood - Graphical Visualisation and Animation of Haskell Object Observations",  
Claus Reinke

"Multiple-View Tracing for Haskell: a New Hat",  
Malcolm Wallace, Olaf Chitil, Thorsten Brehm, and Colin Runciman

10-minute talks (to be announced)

15.30 - 16.00:

Coffee break

16.00 - 17.30: chaired by Jeremy Gibbons

Functional Pearl: "Parsing Permutation Phrases",  
Arthur Baars, Andres Löh, and S. Doaitse Swierstra

Functional Pearl: "Pretty Printing with Lazy Dequeues",  
Olaf Chitil

"Playing by the Rules: Rewriting as a practical optimisation technique in GHC",  
Simon Peyton Jones, Andrew Tolmach, and Tony Hoare

17.30 - 18.00: chaired by Manuel Chakravarty

Discussion: the future of Haskell

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## Programme committee

Manuel Chakravarty	University of New South Wales
Jeremy Gibbons	University of Oxford
Ralf Hinze (chair)	University of Utrecht
Patrik Jansson	Chalmers University
Mark Jones	Oregon Graduate Institute
Ross Paterson	City University, London
Simon Peyton Jones	Microsoft Research
Stephanie Weirich	Cornell University

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## Scope

The purpose of the Haskell Workshop is to discuss experience with Haskell, and possible future developments for the language. The scope of the workshop includes all aspects of the design, semantics, theory, application, implementation, and teaching of Haskell. Submissions that discuss limitations of Haskell at present and/or propose new ideas for future versions of Haskell are particularly encouraged. Adopting an idea from ICFP 2000, the workshop also solicits two special classes of submissions, *application letters* and *functional pearls*, described below.

### Application Letters

An application letter describes experience using Haskell to solve real-world problems. Such a paper might typically be about six pages, and may be judged by interest of the application and novel use of Haskell.

### Functional Pearls

A functional pearl presents—using Haskell as a vehicle—an idea that is small, rounded, and glows with its own light. Such a paper might typically be about six pages, and may be judged by elegance of development and clarity of expression.

## Submission details

Deadline for submission:	1st June 2001
Notification of acceptance:	12th July 2001
Final submission due:	1st August 2001
Haskell Workshop:	2nd September 2001

Authors should submit papers in postscript format, formatted for A4 paper, to Ralf Hinze ([ralf@cs.uu.nl](mailto:ralf@cs.uu.nl)) by 1st June 2001. Use of the ENTCS style files is strongly recommended. The length should be restricted to the equivalent of 5000 words (which is approximately 24 pages in ENTCS format, or 12 pages in ACM format). Note that this word limit represents a change from the first call for papers. Application letters and functional pearls should be labeled as such on the first page; they may be any length up to the above limit, though shorter submissions are welcome. The accepted papers will initially appear as a University of Utrecht technical report, and subsequently be published as an issue of Electronic Notes in Theoretical Computer Science.

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