2004 Haskell Workshop

Snowbird, Utah, USA
22 September, 2004

PROGRAM

08.30 Registration

Session I: 8.50–10.30 Chair: Henrik Nilsson

08.50 *Welcome*

09.00 *Functional Pearl: I am not a number: I am a free variable*
Conor McBride (University of Durham), James McKinna (University of St Andrews)

09.30 *Plugging Haskell In*
André Pang (CSIRO Information & Communication Technologies), Don Stewart, Sean Seefried, and Manuel M. T. Chakravarty (University of New South Wales)

10.00 *Extending the Haskell Foreign Function Interface with Concurrency*
Simon Marlow, Simon Peyton Jones (Microsoft Research Ltd.), Wolfgang Thaller

10.30 Break

Session II: 11.00–12.30 Chair: Jerzy Karczmarczuk

11.00 *Functional Pearl: Implicit Configuration – or, Type Classes Reflect the Value of Types*
Oleg Kiselyov (Fleet Numerical Meteorology and Oceanography Center), Chung-chieh Shan (Harvard University)

11.30 *Programming Graphic Processors Functionally*
Conal Elliot

12.00 *wxHaskell: A Portable and Concise GUI Library for Haskell*
Daan Leijen (Utrecht University)

12.30 Lunch

Session III: 14.00–15.30 Chair: Colin Runciman

14.00 *Type Safe, Self Inspecting Code*
Arthur I. Baars, S. Doaitse Swierstra (Utrecht University)

14.30 *Improving Type Error Diagnosis*
Peter J. Stuckey (University of Melbourne), Martin Sulzmann (National University of Singapore), Jeremy Wazny (University of Melbourne)

15.00 *Tool Demonstration: Haskell Type Browser*
Matthias Neubauer, Peter Thiemann (University of Freiburg)

15.15 *Tool Demonstration: BNF Converter*
Aarne Ranta, Markus Forsberg (Chalmers University of Technology)

15.30 Break

Session IV: 16.00–17.30 Chair: Martin Sulzmann; Discussion Chair: Daan Leijen

16.00 *Strongly Typed Heterogeneous Collections*
Oleg Kiselyov (FNMOC), Ralf Lämmel (VU & CWI), Keean Schupke (Imperial College)

16.30 *Student Paper: HaskellDB Improved*
Björn Bringert, Anders Höckersten (Chalmers University of Technology)

16.45 *Discussion: The Future of Haskell*
- Open Topics: Discussion Starters wanted! (see overleaf)
- Haskell and Dependent Types

Discussion Starters Sought!

To encourage a live-topic debate inspired by the workshop itself, we seek impromptu discussion starters for the Future of Haskell discussion. For example, one sentence "fireworks" such as controversial assertions or challenging questions. Unsolved problems. Friendly rebuttals of any (or all!) of the workshop papers. Short and pithy (at most 5 minutes, 2 slides) presentations of raw ideas for future Haskell-related work.

If you would like to contribute, approach either the Discussion Chair (Daan Leijen) or the Workshop Chair (Henrik Nilsson) during any of the breaks and briefly explain what you would like to say. If necessary, as there might not be time for all who would like to speak, the Discussion Chair will prioritize. Those who are selected will then be invited to give their discussion starter at some suitable point during the discussion session.