THURSDAY, 27th September

8:00–8:50  Registration
8:50–9:00  Welcome
9:00–10:40  Session: Compilation I (Sven-Bodo Scholz)
  9:00  Marco T Morazan, Ulrik Schultz
  p. 71  Call Graphs, Dominator Trees, and Lambda Lifting
  9:25  Marc Feeley
  p. 503  Speculative Inlining of Predefined Procedures in an R5RS Scheme to C Compiler
  9:50  Atze Dijkstra, Jeroen Fokker, Doaitse Swierstra
  p. 107  The Structure of the Essential Haskell compiler, or Coping with Compiler Complexity
  10:15  Neil Mitchell, Colin Runciman
  p. 334  Supero: Making Haskell Faster
10:40–11:20  Coffee Break

11:20–13:00  Session: Applications I (Ken Friis Larsen)
  11:20  Colin Runciman, David Duke, Rita Borgo, Malcolm Wallace
  p. 474  Polytopes & Polytypes: Generic Isosurfacing & Functional Programming
  11:45  Erik Zuurbier, Rinus Plasmeijer
  p. 232  Car Damage Subrogation Workflow — an iTask exercise
  12:10  Rinus Plasmeijer, Jan Martin Jansen, Pieter Koopman, Peter Achten
  p. 252  Transparent Ajax and Client-Site Evaluation of iTasks
  12:35  Baltasar Trancón y Widemann, David L. Parnas
  p. 431  Tabular Expressions and Total Functional Programming
13:00–14:00  Lunch

14:00–15:40  Session: Parallelism I (Zoltán Horvath)
  14:00  Mercedes Hidalgo-Herrero, Yolanda Ortega-Mallén
  p. 89  To be or not to be . . . lazy
  14:25  Phil Trinder, Abyd Al Zain, Kevin Hammond
  p. 139  Evaluating and Using a Grid-Enabled Parallel Haskell
  14:50  Jost Berthold, Mischa Dieterle, Rita Loogen, Steffen Priebe
  p. 152  Functional Master-Worker Skeletons
  15:15  Matthew Naylor, Colin Runciman
  p. 290  The Reduceron: Widening the von Neumann Bottleneck for Graph Reduction using an FPGA
15:40–16:20  Coffee Break
16:20–18:00 **Session: Types I (Glenn Strong)**

16:20  *Marko van Eckelen, Olha Shkaravska*

*p. 254* Static Inference of Non-Monotonic Polynomial Sized Types

16:45  *Dirk Kleeblatt*

*p. 350* Checking Dependent Types Efficiently

17:10  *Edsko de Vries, Rinus Plasmeijer, David Abrahamson*

*p. 416* Uniqueness Typing Simplified

17:35  *Mikolaj Konarski*

*p. 457* The Simple Category of Modules

**FRIDAY, 28th September**

8:30–9:00  Registration

9:00–10:40 **Session: Contracts (Manuel Chakravarty)**

9:00  *Dana Na Xu, Simon Peyton Jones, Koen Claessen*

*p. 382* Static Contract Checking for Haskell

9:25  *Robert Bruce Findler, Shu-yu Guo, Anne Rogers*

*p. 179* Lazy Contract Checking for Immutable Data Structures

9:50  *Stephan Herhut, Sven-Bodo Scholz, Robert Bernecky, Clemens Grelek, Kai Trojahnner*

*p. 534* From Contracts Towards Dependent Types: Proofs by Partial Evaluation

10:15  *Máté; Tejfel, Tamás Kozsik, Zoltán Horváth*

*p. 224* An Interpretation of Temporal Properties in Functional Programs

10:40–11:20  Coffee Break

11:20–13:00 **Session: Algorithms & Data Structures (Rita Loogen)**

11:20  *Malcolm Wallace*

*p. 140* Partial Parsing: Combining Choice with Commitment

11:45  *Steffen Mazanek, Mark Minas*

*p. 24* Graph Parser Combinators

12:10  *Frank Huch, Sebastian Fischer*

*p. 258* Efficient, Modular Tries

12:35  *Sebastian Fischer, Frank Huch*

*p. 318* Generic Programming Combinators

13:00–14:10  Lunch and meeting of steering committee

14:10–16:00 **Session: Foundations (Doaitse Swierstra)**

14:10  Announcements for IFL 2008

14:20  *Olivier Danvy*

*p. 552* Amortizing the Cost of Commuting Conversions when Beta-Reducing Monadic Normal Forms and A-Normal Forms

14:45  *José Almeida, Ian Mackie, Jorge Sousa Pinto, Miguel Vilaça*

*p. 40* Encoding Iterators in Interaction Nets

15:10  *Chunxu Liu, Greg Michaelson*

*p. 386* HW-Hume in Isabelle

15:35  *Salvador Lucas, Ricardo Peña*

*p. 8* Termination and Complexity Bounds for SAFE programs

16:00–  Excursion and Dinner including Peter Landin Prize Presentation
SATURDAY, 29th September

8:30–9:00 Registration

9:00–10:40 Session: Applications II (Peter Achten)

9:00 Michael Nissen, Ken Fris Larsen
p. 268 FunSETL — Functional Reporting for ERP Systems
9:25 Clemens Grelek, Frank Penczek
p. 531 On Implementing S-Net
9:50 Olivier Michel, Jean-Louis Giavitto
p. 301 Incremental Extension of a Domain Specific Language Interpreter
10:15 Oleg Lobachev
p. 168 Towards an Implementation of a Computer Algebra System in a Functional Programming Language

10:40–11:20 Coffee Break

11:20–13:00 Session: Program Development (Malcolm Wallace)

11:20 Huiqing Li, Simon Thompson
p. 55 Testing Erlang Refactorings with QuickCheck
11:45 Christopher Brown, Simon Thompson
p. 211 Splitting and Merging Program Refactorings
12:10 Bernd Brafel, Holger Siegel
p. 400 Debugging Lazy Functional Programs by Asking the Oracle
12:35 Adam Sipos, Zoltan Porkolab, Norbert Pataki, Viktor Zsok
p. 489 Meta(Fun) — Towards a Functional-Style Interface for C++ Template Metaprograms

13:00–14:00 Lunch

14:00–15:40 Session: Compilation & Parallelism (Marc Feeley)

14:00 Peter Jonsson, Johan Nordlander
p. 441 Positive Supercompilation for a Higher Order Call-By-Value Language
14:25 Andreas Koltes, John O’Donnell
p. 519 Circuit Parallelism in Haskell Programs
14:50 Martin Sulzmann, Edmund Lam
p. 195 Haskell – Join – Rules
15:15 Kevin Hammond
Lightweight Multithreading for Effective Exploitation of Multicore Architectures using Hume

15:40–16:20 Coffee Break

16:20–18:00 Session: Types II (Michel Mauny)

16:20 Martin Sulzmann, Kenny Zhao Ming Lu
p. 123 XHaskell — Adding Regular Expression Types to Haskell
16:45 Tom Schrijvers, Martin Sulzmann, Simon Peyton Jones, Manuel Chakravarty
p. 233 Towards Open Type Functions for Haskell
17:10 Pieter Koopman, Peter Achten, Rinus Plasmeijer
p. 230 On the Validation of Specifications used in Model-Based Testing
17:35 Glenn Strong
p. 229 Approaches to Subtyping in Functional Languages
Local Organisation

Markus Degen  Universit¨ at Freiburg, Germany
Peter Thiemann  Universit¨ at Freiburg, Germany
Stefan Wehr  Universit¨ at Freiburg, Germany

Programme Committee

Peter Achten  Radboud University Nijmegen, The Netherlands
Kenichi Asai  Ochanomizu University, Japan
Manuel Chakravarty  The University of New South Wales, Australia
Olaf Chitil (chair)  University of Kent, UK
Martin Erwig  Oregon State University, Oregon, USA
Marc Feeley  Université de Montréal, Canada
Martin Gasbichler  Z¨ uhlke Engineering AG, Switzerland
Kevin Hammond  University of St. Andrews, Scotland
Zoltán Horváth  Eötvös Loránd University, Budapest, Hungary
John Hughes  Chalmers University of Technology, Sweden
Ken Friis Larsen  University of Copenhagen, Denmark
Rita Loogen  Philipps-Universität Marburg, Germany
Michel Mauny  ENSTA, France
Sven-Bodo Scholz  University of Hertfordshire, UK
Clara Segura  Universidad Complutense de Madrid, Spain
Tim Sheard  Portland State University, Oregon, USA
Glenn Strong  Trinity College, Dublin, Ireland
Doaitse Swierstra  Utrecht University, The Netherlands
Malcolm Wallace  The University of York, UK