



International Summer School on Advances in Programming Languages

25th-28th August, 2009

Heriot-Watt University, Edinburgh, Scotland

<http://www.macs.hw.ac.uk/~greg/ISS-AiPL>

Overview

This four-day residential International Summer School on Advances in Programming Languages has a major theme of Concurrency, Distribution, and Multicore. Intended primarily for postgraduate research students, the School offers lectures and practical sessions on an engaging blend of cutting edge theoretical and practical techniques from international experts.

The Summer School is supported by the Scottish Informatics and Computer Science Alliance (<http://www.sicsa.ac.uk/>), a Scottish Funding Council Research Pool. Participants from SICSA member institutions may attend at no cost.

Confirmed Topics/Speakers

- Static and dynamic languages , Prof Phillip Wadler, University of Edinburgh
- Compiler technology for data-parallel languages, Dr Sven-Bodo Scholz, University of Hertfordshire
- New applications of parametricity , Dr Janis Voigtlander, Technical University of Dresden
- Automatic vectorising compilation, Dr Paul Cockshott, University of Glasgow
- Foundational aspects of size analysis, Prof Marko van Eekelin/Dr Olha Shakaravska, Radboud University Nijmegen
- Context oriented programming , Dr Pascal Costanza, Vrije Universiteit Brussels
- Multi-core programming , Dr Phil Trinder, Heriot-Watt University
- Multi-core compilation, Dr Alastair Donaldson, Codeplay Software Ltd
- Principles and Applications of Refinement Types, Dr Andrew D. Gordon, Microsoft Research, Cambridge
- Resource aware programming in Hume, Prof Greg Michaelson, Heriot-Watt University/ Prof Kevin Hammond, University of St Andrews

- Haskell concurrency & parallelism, Dr Satnam Singh, Microsoft Research, Cambridge

Location

The Summer School is at Heriot-Watt University's Riccarton campus, set in pleasant parkland to the west of Edinburgh, with easy access to the airport, city and central Scotland (<http://www.hw.ac.uk/welcome/directions.htm>).

The Summer School immediately precedes the 2009 International Conference on Functional Programming (<http://www.cs.nott.ac.uk/~gmh/icfp09.html>) and takes place during the Edinburgh International Festival (<http://www.eif.co.uk/>), and the associated Edinburgh Festival Fringe (<http://www.edfringe.com/>) and Edinburgh International Book Festival (<http://www.edbookfest.co.uk/>)

Steering Committee

Prof Prof Greg Michaelson, Heriot-Watt University (Convenor),
(<mailto:G.Michaelson@hw.ac.uk>)

Prof Kevin Hammond, University of St Andrews

Dr Patricia Johann, University of Strathclyde

Prof Phillip Wadler, University of Edinburgh

Fee

Full rate: £400; (free for SICSA students)

Includes: four nights single room, en-suite accommodation with breakfast, lunch and dinner, plus coffee breaks and session materials.

Day rate: £200; (free for SICSA students)

Includes: lunch, coffee breaks, session materials

Registration of interest

If you are interested in attending the International Summer School, please complete the form available from (<http://www.macs.hw.ac.uk/~greg/ISS-AiPL/ISS-AiPL%20register.doc>) or below, and return it to:
<<mailto:ISS-AiPL-register@macs.hw.ac.uk>>

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Programming Languages

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Heriot-Watt University, Edinburgh, Scotland

Registration of interest

Name	
Address	
Email	
Phone	
SICSA Uni	Yes / No
Rate	Full / Day
Accessibility requirements	
Dietary requirements	

Return to: <<mailto:ISS-AiPL-register@macs.hw.ac.uk>>