Programming Language Evolution
2014

Welcome

Dominic Orchard, Raoul-Gabriel Urma, Alan Mycroft
Climate change (multicore processors, new programmer influences)

- JavaScript
- Scala
- Java
- C# / F#
- C / C++
Problems

- **Language designers**
  - How to quantify impact of a language change?
  - Is a new feature useful? Will it be adopted?
- **Developers**
  - How to support them in adopting newer idioms?
- **Industry**
  - How to reduce time maintaining old code?
Programme

10:25 - 10:30  PLE14 Opening

10:30 - 11:20  Full papers session (Lecture Hall VIII)
   • Programming Language Feature Agglomeration
     Jeremy Singer, Callum Cameron and Marc Alexander
   • HERCULES/PL: The Pattern Language of HERCULES
     Christos Kartsaklis and Oscar Hernandez

11:20 - 12:00  Talks session 1
   • Experiences from adding reverse inheritance to Eiffel
     Markku Sakkinen
   • Hack: lessons learnt
     Julien Verlaguet

12:00 - 13:30  Lunch
Programme (continued)

13:30 - 14:30  Keynote: Martin Odersky, The Evolution of Scala  Lecture Hall X
14:30 - 15:30  Extended coffee break

15:30 - 16:10  Talks session 2 - Lecture Hall VIII
   ●  Python 2 and 3 compatibility testing via optional run-time type checking
       Raoul-Gabriel Urma
   ●  Evolving Fortran types with inferred units-of-measure
       Dominic Orchard

16:10 - 16:30  Discussion
16:30          End of Workshop
Thanks to the programme committee

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