TFP 2011 Programme
12th Trends in Functional Programming, Madrid May 16th-18th 2011

Monday 16th

08:30-08:45 Registration
08:45-09:00 Opening
09:00-10:00 **Session 1: Invited talk** (Chair: Ricardo Peña)
10:00-10:30 — coffee break —
10:30-12:30 **Session 2: Types** (Chair: Ana Bove)
   Thomas Schilling. *Constraint-free Type Error Slicing.*
   Adam Gundry. *Type Inference for Units of Measure.*
   Julien Signoles. *An OCaml Library for Dynamic Typing.*
   Vladimir Komendantsky. *Subtyping by folding an inductive relation into a coinductive one.*
12:30-14:00 — lunch —
14:00-15:30 **Session 3: Static Analysis** (Chair: Henrik Nilsson)
   Maria Christakis, Konstantinos Sagonas. *Static Detection of Deadlocks in Erlang.*
   Stefan Holdermans, Jurriaan Hage. *Refinement Types for Pattern-match Analysis.*
15:30-16:00 — coffee break —
16:00-17:30 **Session 4: Compiling** (Chair: Kostis Sagonas)
   Jocelyn Serot, Greg Michaelson. *Compiling Hume down to gates.*
18:00-19:00 TFP Steering Committee meeting

Tuesday 17th

09:00-10:30 **Session 5: Distributed and Parallel Programming** (Chair: Kevin Hammond)
   Jean-Christophe Filliatre, K. Kalyanasundaram. *Functorly: A Distributed Computing Library for Objective Caml.*
10:30-11:00 — coffee break —
11:00-12:30 **Session 6: Parallel Programming** (Chair: Viktoria Zsok)
   Mustafa Aswad, Phil. W. Trinder, Hans-Wolfgang Loidl. *Architecture Aware Parallel Programming in Glasgow Parallel Haskell (GPH).*
   Christopher Brown, Hans-Wolfgang Loidl, Kevin Hammond. *Refactoring Parallel Haskell Programs.*
   Silvia Clérici, Cristina Zoltán. *Exploiting Parallelism by Customizing Evaluation.*
12:30-14:00 — lunch —
14:00-15:00  **Session 7: Data Structures** (Chair: Peter Achten)
Michael Lesniak. *Thread-safe Priority Queues in Haskell based on Skiplists.*
15:30-24:00 — Excursion to Toledo and social dinner —

**Wednesday 18th**

09:00-10:30  **Session 8** (Chair: Marko van Eekelen)
Marco T. Morazan. *The Time of Space Invaders Will Come to Pass: A Video Game Journey from Structural Recursion to Accumulative Recursion in CS1.*
Jeroen Henrix, Rinus Plasmeijer, Peter Achten. *GiN: a graphical language and tool for defining iTask workflows.*
Pieter Koopman, Rinus Plasmeijer. *Effective Test Set Generation.*
10:30-11:00 — coffee break —
11:00-12:30  **Session 9** (Chair: Jurriaan Hage)
Gergely Dévai. *Restricted Function Patterns.*
Germán Andrés Delbianco, Mauro Jaskelioff, Alberto Pardo. *Applicative Shortcut Fusion.*
Christoph Herrmann, Edwin Brady, Kevin Hammond. *Dependently-typed Programming by Composition from Functional Building Blocks.*
12:30-12:40 Farewell
12:40-14:00 — lunch —
14:00  End of TFP 2011