

2015 Workshop on Continuations

– pre-proceedings –

Olivier Danvy

London, UK, 12 April 2015

This volume contains the papers presented at WoC 2015, the Workshop on Continuations held at ETAPS 2015.

There were four submissions. Each of them was reviewed by, on the average, three PC members. The committee decided to accept three papers. The program also includes one invited talk. It also documents the depth, variety, and richness of continuations with four distilled tutorials.

Thanks are due to the local organizers of ETAPS 2015 for the infrastructure and to the general chairman of WoC 2015, Ugo de'Liguoro, for initiating this workshop and making it happen.

Program committee:

Zena Ariola, University of Oregon, USA

Dariusz Biernacki, University of Wroclaw, Poland

Olivier Danvy (chair), Aarhus University, Denmark

Mayer Goldberg, Ben Gurion University, Israel

Tadeusz Litak, FAU Erlangen-Nürnberg, Germany

Jay McCarthy, Vassar College, USA

Christian Queinnec, Université Pierre et Marie Curie, France

Tiark Rompf, Purdue University, USA

Alexis Saurin, CNRS & Université Paris Diderot – Paris 7, France

Hayo Thielecke University of Birmingham, UK

General Chair:

Ugo de'Liguoro, University of Torino, Italy

Program of the 2015 Workshop on Continuations

09:00 - 10:00

Invited Talk:

"A verified abstract machine for functional coroutines"
Tristan Crolard, CNAM, France

10:00 - 10:30

Contributed Talk:

"The selection monad as a CPS translation"
Jules Hedges, Queen Mary University of London, UK

11:00 - 11:30

Contributed Talk:

"A modular structural operational semantics for delimited continuations"
Neil Sculthorpe, Paolo Torrini, and Peter Mosses, Swansea University, UK

11:30 - 12:30

Distilled Tutorial:

"Why all programmers want continuations (but use callbacks instead)"
Gabriel Kerneis, Paris, France

14:00 - 15:00

Distilled Tutorial:

"Command injection attacks, continuations, and the Lambek calculus"
Hayo Thielecke, University of Birmingham, UK

15:00 - 16:00

Distilled Tutorial:

"Bisimulations for delimited-control operators"
Dariusz Biernacki, University of Wroclaw, Poland
Serguei Lenglet, Université de Lorraine, France

16:30 - 17:00

Contributed Talk:

"ATM without tears:
prompt-passing style transformation for typed delimited-control operators"
Ikuo Kobori and Yuki Yoshi Kameyama, University of Tsukuba, Japan
Oleg Kiselyov, Tohoku University, Japan

17:00 - 18:00

Distilled Tutorial:

"Logical by need"
Alexis Saurin, CNRS & Université Paris Diderot -- Paris 7, France
Pierre-Marie Pédro, Université Paris Diderot -- Paris 7, France