Proceedings of the Eleventh Workshop on Logical Frameworks and Meta-Languages: Theory and Practice

LFMTP 2016

Porto, Portugal

Program Chairs: Gilles Dowek and Daniel R. Licata

Affiliated with the First International Conference on Formal Structures For Computation And Deduction (FSCD)

Conference Chair: Sandra Alves
Workshop Committee: Sabine Broda

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The program committee selected four papers for presentation at LFMTP 2016. In addition, the program included one invited talk.

We would like to thank the many people who helped make LFMTP 2016 a success. We thank the organizers of FSCD for their support. We are grateful to the program committee members for their thoughtful reviews and discussions. Finally, we thank the authors, the invited speaker, and the attendees for making this workshop an enjoyable and productive event.

Program Committee for LFMTP 2016:

- Edwin Brady (University of St Andrews)
- Gilles Dowek (Inria, co-chair)
- Marcelo Fiore (University of Cambridge)
- Andrew Gacek (Rockwell Collins Advanced Technology Center)
- Olivier Hermant (Mines ParisTech)
- Chantal Keller (Université Paris-Sud)
- Daniel R. Licata (Wesleyan University, co-chair)
- Bernardo Toninho (Imperial College London)
- Makarius Wenzel

1. *Mechanizing Proofs about Mendler-style Recursion*
   by Rohan Jacob-Rao, Andrew Cave, and Brigitte Pientka

2. *A Rewrite System for Proof Constructivization*
   by Raphaël Cauderlier

3. *The Logic of Hereditary Harrop Formulas as a Specification Logic for Hybrid*
   by Chelsea Battell and Amy Felty

4. *Implementing HOL in an Higher Order Logic Programming Language*
   by Cvetan Dunchev, Claudio Sacerdoti Coen, and Enrico Tassi

5. *The Incredible Proof Machine*
   by Joachim Breitner