

Erika De Benedetti

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Education

October 2011: Master Degree in Computer Science,
Università degli Studi di Torino,
Thesis title: "Polynomial lambda-calculus via intersection types"
Supervisor: Simona Ronchi Della Rocca
Graduation mark: 110/110 cum Laude, dissertation recommended for publication

October 2009: Bachelor Degree in Computer Science,
Università degli Studi di Torino,
Graduation mark: 110/110 cum Laude

Current Positions

Doctorant at the Department of Computer Science, Università degli Studi di Torino
under the supervision of Simona Ronchi Della Rocca
Joint supervision (*cotutelle*) with Patrick Baillot at LIP, ENS de Lyon.
January 2012–present.

Fields of Research Interest

Implicit Computational Complexity, linear logic, lambda-calculus, intersection types.

References

- [BB13] Patrick Baillot and Erika De Benedetti. Characterizing polynomial and exponential complexity classes in elementary lambda-calculus. In *submitted*, 2013.
- [Ben11] Erika De Benedetti. Polynomial lambda-calculus via intersection types. Master's thesis, Università degli Studi di Torino, 2011.
- [BR12] Erika De Benedetti and Simona Ronchi Della Rocca. A complete polynomial lambda-calculus. In *submitted*, 2012.
- [BR13] Erika De Benedetti and Simona Ronchi Della Rocca. Bounding normalization time through intersection types. *CoRR*, abs/1307.8205, 2013.

Conference and Seminar Presentations

A complete polynomial lambda-calculus
DICE 2012, Tallinn, March 31, 2012.
LIP, ENS de Lyon, June 11, 2012.
ICTCS 2012, Verona, September 20, 2012.

Bounding normalization times through intersection types.

ITRS 2012, Dubrovnik, June 29, 2012.

ELL revisited for polynomial time and an exponential time hierarchy (work by Patrick Baillot)

Lambda research group meeting at the Department of Computer Science, University of Torino. October 26, 2012.

Characterizing polynomial and exponential complexity classes in elementary lambda-calculus

LIP, ENS de Lyon, June 24, 2013.

Organizing committee

I was member of the organizing committee of CSL (Computer Science Logic) 2013, the annual meeting of the European Association for Computer Science Logic, held in Torino from the 1st to the 6th of September 2013.

Honors, Awards, & Fellowships

Optime Award by the City of Torino for best results achieved in master thesis in 2010/2011

Silver Medal awarded by University of Torino for best master thesis in computer science 2010/2011.

Last updated: November 27, 2013