

CURRICULUM VITAE - SERGUEÏ LENGLET

Birth: December 24th, 1982

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Professional address

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Research interests

My research interests include

- Concurrency theory: process calculi, behavioral equivalences, expressiveness, ...
- Type systems for the λ -calculus: System F, intersection types, type systems for control operators, ...

Diplomas

2010 PhD in computer science.
 Université de Grenoble.

2006 Master in theoretical computer science.
 Ecole Normale Supérieure de Lyon.

2004 License in theoretical computer science.
 Ecole Normale Supérieure de Lyon, Université Claude Bernard, Lyon.

2000 Baccalauréat in sciences.

Education

2006–2010 PhD: bisimulations in calculi with passivation.
 Université Joseph Fourier, Grenoble
 under the supervision of Alan Schmitt and Jean-Bernard Stefani.

2003–2006 Ecole Normale Supérieure de Lyon, computer science section

2000–2003 2-year intensive program preparing entry to French Grandes Écoles, lycée
 Henri Poincaré, Nancy.

Work experiences

- January 2012–present Post-doc: Type inference for CDuce
PPS laboratory, Université Paris Denis Diderot
with Giuseppe Castagna
- September 2010–
December 2011 Post-doc: Static analysis for control operators
Programming language group, University of Wrocław.
with Małgorzata Biernacka and Dariusz Biernacki
- January–August 2010 Post-doc: Expansion variables for universal quantification
ULTRA group, Heriot-Watt University, Edimbourg.
with J. B. Wells
- 2007–2010 Teaching assistant at Université Joseph Fourier, Grenoble
Courses on operational research, introduction to computer sci-
ence for biologists, introduction to algorithmic
- February–June 2006 Internship: Bisimulations in calculi with passivation.
SARDES Project, INRIA Rhône-Alpes.
with Alan Schmitt and Jean-Bernard Stefani.
- June–August 2005 Internship: Decidability of Scala type checking.
LAMP, Ecole Polytechnique Fédérale de Lausanne.
with Martin Odersky.
- June–July 2004 Internship: Type system for CAML recursive modules.
LIP, Ecole Normale Supérieure de Lyon.
with Tom Hirschowitz.

Refeered journal papers

S. Lenglet, A. Schmitt, and J.-B. Stefani. Characterizing contextual equivalence in calculi with passivation. *Information and Computation*, Volume 209, Issue 11, November 2011, Pages 1390-1433, ISSN 0890-5401, 10.1016/j.ic.2011.08.002.

Refeered conference papers

D. Biernacki and S. Lenglet. Normal form bisimulations for delimited-control operators. Submitted, 2011.

D. Biernacki and S. Lenglet. Bisimulations for delimited-control operators. Accepted at FoSSaCS '12.

S. Lenglet and J. B. Wells. Expansion for universal quantifiers. Accepted at ESOP '12.

M. Biernacka, D. Biernacki, and S. Lenglet. Typing control operators in the CPS hierarchy. In *PPDP '11*, pages 146–160, Odense, Denmark, July 2009, ACM Press.

S. Lenglet, A. Schmitt, and J.-B. Stefani. Howe's method for calculi with passivation. In *CONCUR '09*, volume 5710 of *LNCS*, pages 448–462. Springer, 2009.

S. Lenglet, A. Schmitt, and J.-B. Stefani. Normal bisimulations in process calculi with passivation. In *FoSSaCS '09*, volume 5504 of *LNCS*, pages 257–271. Springer, 2009.

V. Cremet, F. Garillot, S. Lenglet, and M. Odersky. A core calculus for scala type checking. In *MFCS '06*, volume 4162 of *LNCS*, pages 1–23. Springer, 2006.

Research reports

M. Biernacka, D. Biernacki, and S. Lenglet. Simple proofs of termination of evaluation for System F with control operators. 2011.

S. Lenglet, A. Schmitt, and J.B.Stefani. Howe’s method for early bisimilarities. Technical Report RR 6773, INRIA, 2008.

S. Lenglet, A. Schmitt, and J.-B.Stefani. Normal bisimulations in process calculi with passivation. Technical Report RR 6664, INRIA, 2008.

PhD thesis

S. Lenglet. Bisimulations dans les calculs avec passivation. Université de Grenoble, 2010.