

Sonia Marin

<http://www.lix.polytechnique.fr/Labo/Sonia.Marin/>

Inria Saclay - Île de France
1 rue Honoré d'Estienne d'Orves
91120 Palaiseau, France
sonia.marin@inria.fr

Education

2014-present.

Ecole Polytechnique, INRIA Saclay: PhD, Computer Science, with Dale Miller and Lutz Straßburger
Provisional title : *Nested proof theory for modal logics*

2010-2014.

Ecole Normale Supérieure, Paris : School Diploma, Cognitive Science

2013-2014.

Université Paris Descartes – Ecole Normale Supérieure, Paris : Master Degree, Cognitive Science
Thesis : *Unawareness effect on decision-making* with Mikael Cozic and Brian Hill (IHPST)

2011-2013.

Université Paris Diderot: Master Degree, Mathematical Logic and Foundations of Computer Science
Thesis : *Deductive systems for modal logics in nested sequents* with Lutz Straßburger (INRIA)

Spring 2012.

University of Copenhagen : Erasmus exchange, Department of Mathematics

2010-2011.

Université Pierre et Marie Curie, Paris : Bachelor Degree, Mathematics

Publications

Submitted.

Proof theory of indexed nested sequents. With Lutz Straßburger.

Submitted.

Justification logic for constructive modal logic. With Roman Kuznets and Lutz Straßburger.

August 2016. (*)

A focused framework for emulating modal proof systems. With Dale Miller and Marco Volpe.
Proceedings of AIML 2016.

July 2016. (*)

Modular focused systems for intuitionistic modal logics. With Kaustuv Chaudhuri and Lutz Straßburger.
Proceedings of FSCD 2016.

April 2016.

Focused and Synthetic Nested Sequents. With Kaustuv Chaudhuri and Lutz Straßburger.
Proceedings of FoSSaCS 2016.

August 2014.

Label-free Modular Systems for Classical and Intuitionistic Modal Logics. With Lutz Straßburger.
Proceedings of AIML 2014.

Research visits and graduate schools

October 2016. (1 week) - February 2017. (1 week)
Visiting Roman Kuznets in Vienna to work on *Intuitionistic justification logic*.

June 2016. (2 weeks)
Visiting Alessio Guglielmi in Bath to work on *Proof search in deep inference*.

August 2015. (2 weeks)
European Summer School on Logic, Language and Information, University Pompeu Fabra, Barcelona.

June 2015. (1 week)
Summer school of Topology, Algebra, and Category in Logic, University of Salerno.

April 2015. (1 week)
Midlands Graduate School, University of Sheffield.

Selected talks

10 November 2016. (*)
Comparing BOX and ! via polarities.
Linear Logic Workshop, Lyon.

12 October 2016.
Focused emulation of modal proof systems.
Theory and Logic group seminar, TU Wien, Vienna.

16 June 2016.
Tidy proof systems for intuitionistic modal logics.
Programming, Logic and Semantics group seminar, ITU, Copenhagen.

7 April 2016.
Focused nested sequents.
Algebra and Coalgebra in Proof theory, Vienna.

14 December 2015.
Focused and synthetic nested sequents.
Workshop on Efficient and Natural Proof Systems, Bath.

22 June 2015.
A cut-free proof system for pseudo-transitive modal logics.
Topology, Algebra, and Categories in Logic 2015, Ischia.

13 July 2014.
Modular systems for intuitionistic modal logic in nested sequents.
Workshop on Gentzen Systems and Beyond 3, Vienna Summer of Logic.

Teaching (Department of Mathematics, UPMC, Paris)

Spring 2016.
1M002 - Integration and linear algebra (1st year)

Fall 2016.
1M001 - Analysis and algebra for sciences (1st year)
2M216 - Multiple variables and vectorial analysis (2nd year)

Other responsibilities

2016-present.

Elected member of the Lab Council, PhD students representative.

2016-present.

Organiser of the bi-weekly Parsifal team seminar.

2015-2016.

Co-organiser of the monthly INRIA-LIX PhD seminar.

References

Dale Miller dale.miller@inria.fr +33 (0)1 77 57 80 53

Lutz Straßburger lutz@lix.polytechnique.fr +33 (0)1 74 85 42 65

Inria Saclay - Île de France

1 rue Honoré d'Estienne d'Orves

91120 Palaiseau, France