

Federico Olimpieri - *Curriculum vitae et studiorum*

CONTACTS

Adresse postale:

Laboratoire d'Informatique Paris Nord (LIPN)
Institut Galilée - Université Paris 13
99, avenue Jean-Baptiste Clément
93430 Villetaneuse
FRANCE

E-mail:

olimpieri@lipn.univ-paris13.fr

Webpage:

<https://lipn.univ-paris13.fr/~olimpieri/>

CITIZENSHIP

Italian

PROFILE

Determined, easily adaptable to new circumstances and environments, positive thinker. As it is shown by my academic record, I hold a positive aptitude towards challenging situations and new learning experiences.

POSITIONS

Post-Doctoral Researcher within the project CoGITARe.

- Date: 2020-2021.
- At: Laboratoire d'Informatique Paris Nord (LIPN).

QUALIFICATION

PhD in Mathematics

- Supervisors: L. Regnier, L. Vaux Auclair and L. Tortora de Falco.
- Date: October 2017 - November 2020.
- Subject: "Intersection types and resource calculi in the denotational semantics of λ -calculus". The thesis manuscript is [here](#).
- Between "Aix-Marseille Université" - Marseille, France and "Università degli Studi Roma Tre" - Rome, Italy.
- The thesis was examined by M. Fiore and P.-A. Melliès and defended before the jury composed by M. Fiore, U. Dal Lago, L. Regnier, G. Rosolini, C. Tasson, L. Tortora De Falco, L. Vaux Auclair.

Master of Mathematics

- "M2 Mathématiques Discrètes et Fondaments de l'Informatique".
- Date: 2016-2017.
- At: "Aix-Marseille Université" - Marseille, France.
This Master of Sc. degree is part of the project "Curriculum franco-italien de master en logique".

Master of Philosophy

- Date: 2015-2017.
- At: "Università degli Studi Roma Tre" - Roma (RM), Italy .
This Master of Sc. degree is part of the project "Curriculum franco-italien de master en logique".

Bachelor of Philosophy

- Date: S.Y. 2015-2016.
- At: “Università degli Studi Roma Tre” - Roma (RM), Italy.

High School Leaving Qualification

- “Maturità Classica”.
- Date: S.Y. 2011-2012
- At: Liceo Classico “I.I.S.S. Carlo Alberto dalla Chiesa” - Montefiascone (VT), Italy.

PUBLICATIONS (PEER REVIEWED)

1. [Categorifying Non-Idempotent Intersection Types](#) (with Giulio Guerrieri), to appear in the proceedings of the 29th International Conference on Computer Science Logic (CSL2021).
2. [On the Taylor Expansion of Lambda Terms and the Groupoid Structure of their Rigid Approximants](#) (with Lionel Vaux), accepted (subject to a minor revision) for publication in Logical Methods in Computer Science.

PEER REVIEWED COMMUNICATIONS WITHOUT FORMAL PROCEEDINGS

1. [On the Taylor expansion of lambda-terms and the groupoid structure of their rigid approximants](#) (short version), Joint Workshop on Linearity & TLLA, Oxford, 7 - 8 July, 2018.
2. [Normalisation and Taylor expansion of lambda-terms](#) 9th Workshop on Higher-Order Rewriting, Oxford, 7 - 8 July, 2018 (full paper).

PREPRINTS

1. [Intersection Type Distributors](#).

INTERNSHIPS & SCHOOLS

1. February 2017 Coq Winter School “Software Verification and Computer Proof” at INRIA Sophia Antipolis.
2. April 2017 - June 2017 reasearch-oriented internship (“stage d’initiation à la recherche”) at the Institut des Mathématiques de Marseille.
3. March 2019 GDR Informatique mathématique (IM) Winter school at CIRM, Marseille.
4. June 2019 “Topology, Algebra, Categories and Logic”(TACL) Summer school, Porquerolles island.

SCHOLARSHIPS & GRANTS

1. 2015-2016 Total remission of university fees thanks to the excellent B.A. graduation grade.
2. 2015-2016 Erasmus scholarship for a period of study of 10 months in Munich. (declined)

3. 2016 Student Grant to attend the international meeting on Linear Logic in Lyon. (LL2016 - Linear Logic: interaction, proofs and computation).
4. 2017 Student Grant to attend the workshop on Linear Logic (TLLA17) in Oxford (affiliated with FSCD).
5. 2017-2020 Three years doctoral studentship at Aix-Marseille Université.
6. 2019 Student Grant to attend the TACL Summer school.

TALKS

1. Two invited talks at Roma Tre University for the seminar of the Logic research team (Rome, 2018).
2. Workshop “Trends in Linear Logic and Applications” affiliated with the FSCD conference (Oxford, 2018).
3. Workshop “Higher Order Rewriting” affiliated with the FSCD conference (Oxford, 2018).
4. Workshop “Logique, homotopie, catégories (LHC)” (Marseille, 2018).
5. Workshop “Structures formelles pour le CALcul et les Preuves (Scalp)” (Saclay, 2018).
6. General meeting of the GDRI linear logic (Paris, 2018).
7. XXI Congresso dell’Unione Matematica Italiana (Pavia, 2019).
8. General meeting of the IRN linear logic (Rome, 2019).
9. Workshop “Structures formelles pour le CALcul et les Preuves (Scalp)” (Lyon, 2019).
10. Invited talk at the Department of Computer Science of the University of Bath for the Mathematical Foundations Seminar (Bath, 2019).
11. Workshop “Trends in Linear Logic and Applications” affiliated with the FSCD conference (Online, 2020).
12. Conference “Species and operads in combinatorics and semantics (SOCS)” (Online, 2020).

TEACHING

My teachings for the Department of Mathematics at the Aix-Marseille University.

- 2018-2019:
 1. “Chargé de TD” (practical) for the course Geometry II (“Géométrie II”), third year.
 2. “Chargé de TD” (practical) for the course Mathematical Language (“Langage mathématique”), first year.
- 2019-2020:
 1. “Chargé de TD” (practical) for the course Mathematical Language (“Langage mathématique”), first year.
 2. Tutor for the “Stage Hippocampe”. This kind of intership is designed to introduce high-school students to scientific research.

SPOKEN
LANGUAGES

Italian (native tongue), english (fluent), french (fluent).