

I am a lecturer (ATER) at University of Saint-Étienne. I defended my thesis on 30 June 2021. My current research focuses on finite groups, modular representations, group cohomology, fusion theory, and (higher) categorification.

Education

- 2021 **Ph.D. thesis**, *University of Lille*, Lille, France
Finite Group Representations through 2-Sheaves
- 2018 **Master of Fundamental Mathematics**, *University Pierre et Marie Curie*, Paris, France
Master thesis on *Triangulated categories without model*, under the supervision of Bernhard Keller
- 2017 **Master of Computer Science**, *École normale supérieure*, Paris, France
- 2015 **Licence of Computer Science**, *École normale supérieure*, Paris, France
- 2014 **Admitted at ENS Paris on Computer Science track**, ranked 1st nationally

Positions

- Sep 2021 – now **Lecturer (ATER)**, *University Jean Monnet*, Saint-Étienne, France
- Sep 2018 – Aug 2021 **Ph.D. Student**, *University of Lille*, Lille, France, under the supervision of Ivo Dell’Ambrogio
- Apr – Aug 2016 **Research Intern**, *Kyoto University*, Kyoto, Japan, under the supervision of Shin-ya Katsumata
Lifting monads and adjunctions along fibrations
- Jun – Jul 2015 **Research Intern**, *INRIA Rennes*, Rennes, France, under the supervision of David Pichardie
Implementing an optimization pass in a verified compiler

Awards & Fellowship

- Ph.D. fellowship**, *from ENS Paris*
Allocation Spécial Normalien
- Licence & Master fellowship**, *from ENS Paris*
Contrat normalien (salaried student)

Publications & Preprints

- [1] Jun Maillard. “2-Final 2-Functors”. In: *Journal of Algebra* 609 (Nov. 1, 2022), pp. 217–244. ISSN: 0021-8693. DOI: 10.1016/j.jalgebra.2022.06.019. arXiv: 2101.08727 [math.CT].
- [2] Jun Maillard. “A Categorification of the Cartan-Eilenberg Formula”. In: *Advances in Mathematics* 396 (2022). DOI: 10.1016/j.aim.2022.108187. arXiv: 2102.07554 [math.RT].

Presentations

National and international presentations

- Mar 2022 **A Cartan-Eilenberg formula for cohomological Mackey 2-functors**, at *Colloque Tournant du GDR Théorie de Lie algébrique et géométrie*, Dijon, France
- Sep 2021 **A Cartan-Eilenberg formula for cohomological Mackey 2-functors**, at *"Burnside and Mackey functors revisited" conference*, Online
- Oct 2019 **A cohomology preserving functor between fusion systems and stable module categories**, at *Colloque du GDR 2875, Topologie Algébrique et Applications*, Arras, France

Local presentations

- Feb 2022 **A Cartan-Eilenberg formula for cohomological Mackey 2-functors**, at *BIREP seminar*, Bielefeld, Germany
- Dec 2020 **Schreier theory**, at the meeting of the Algebraic Topology working group of University of Lille
- Dec 2019 **Dennis trace**, at the meeting of the Algebraic Topology working group of University of Lille
- Mar 2019 **Spectral sequences and formality**, at the meeting of the Algebraic Topology working group of the University of Lille

Teaching duties

- 2021 – now **Teaching Assistant**, *University Jean Monnet*, Saint-Étienne, France
Mathematics for 1st year students (Approx. 192h/year)
- 2018 – 2022 **Teaching Assistant**, *University of Lille*, Lille, France
Mathematics for 1st year students (Approx. 64h/year)

Administrative duties

- Feb – Aug 2021 **Member of Commission Mixte Paritaire**, *University of Lille*, Lille, France
Ph.D. student representative

References

- Ivo Dell'Ambrogio**, *Maître de conférences (Tenured faculty member)*, University of Lille, Lille, France
ivo.dell-ambrogio@univ-lille.fr
- Bernhard Keller**, *Professeur (Tenured professor)*, University of Paris 7, Paris, France
bernhard.keller@imj-prg.fr
- Shin-ya Katsumata**, *Project Associate Professor*, National Institute of Informatics, Tokyo, Japan
s.katsumata@gmail.com