

Curriculum Vitæ – Guillaume Laplante-Anfossi

Université Sorbonne Paris Nord
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Citizenship *Canada*

Education

- Fall 2019- **Université Sorbonne Paris Nord**, Villetaneuse, France, *Ph.D. Candidate in Mathematics*
Advisors: Eric Hoffbeck and Bruno Vallette
- 2018-2019 **Université Sorbonne Paris Nord**, Villetaneuse, France, *M.Sc. Fundamental Mathematics*
- 2015-2018 **Université de Montréal**, Québec, Canada, *B.Sc. Mathematics and Physics*
- 2012-2015 **Conservatoire de Musique de Montréal**, Québec, Canada, *B.Mus. Violin*

Research Interests

Homotopy theory, Operads and Koszul duality, Higher algebra and its interactions with Discrete Geometry, Algebraic Combinatorics, Algebraic Geometry (Toric Varieties) and Symplectic Topology.

Selected Awards & Distinctions

- 2019-2022 **Europe Horizon 2020 Marie Skłodowska-Curie Cofund PhD Fellowship**
- 2021-2022 **Natural Sciences & Engineering Research Council of Canada PhD Scholarship**
- 2018-2019 **FSMP & Consulat Général de France à Québec PGSM Master Scholarship**
- 2018 **Canada Research Chair in Differential Geometry & Topology Scholarship**

Publications & Preprints

- *The diagonal of the operahedra*, in preparation.
- *Block graph associahedra*, with Vincent Pilaud, in preparation.

Research Talks

- July 15, 2021 **Young Topologists Meeting**, Stockholm University, Sweden.
The diagonal of the operahedra
- November 5, 2020 **Operad Day LAGA-LIPN**, Université Sorbonne Paris Nord, France.
Operads and polytopes

Expository Talks

May 28, 2021	Double Poisson Structures , Villaroger, France. <i>Curved pre-Calabi-Yau algebras are curved homotopy double Poisson gebras</i>
May 20, 2021	Working group "Groth.-Teich. Groups and Applications" , USPN, France. <i>Twisting the operad of graphs and the formality of the little discs</i>
February 18, 2021	DGeCo Seminar , Sorbonne Université, France. <i>Operads for discrete geometers</i>
November 12, 2020	Working group "Groth.-Teich. Groups and Applications" , USPN, France. <i>Operads and monoidal categories</i>
September 30, 2020	Roberta Seminar , Sorbonne Université, France. <i>A one line proof of MacLane's coherence theorem</i>

Conferences, Workshops & Programs Attended

July 2021	Young Topologists Meeting 2021 , Stockholm, Sweden.
June 2021	Higher Structures & Operadic Calculus , CRM, Barcelona, Spain.
May 2021	Double Poisson Structures , Villaroger, France.
November 2021	Operad Day LAGA-LIPN , USPN, Paris, France.
October 2020	Koszul Duality & Operads , CIRM, Marseille, France.
August 2020	∞-Categories & Applications , MPIM, Bonn, Germany.
August 2020	Operad Pop-Up , Online.
March 2020	Higher Homotopy Algebras in Topology II , Trinity College, Dublin, Ireland.
October 2019	GDR Algebraic Topology & Applications , Université d'Artois, Arras, France.

Working Groups Attended

2020-2021	Grothendieck-Teichmüller Groups & Applications , Université Sorbonne Paris Nord, France.
Winter 2020	Condensed Mathematics , Université Sorbonne Paris Nord, France.
2019-2020	E-∞ Algebras & Étale Cohomology , École Normale Supérieure, France.
Fall 2019	Mandell's Theorem , Université Sorbonne Paris Nord, France.
Fall 2018	Persistent Homology , Université Sorbonne Paris Nord, France.

Teaching

2019-2022	Université Sorbonne Paris Nord , Teaching Assistant. <i>Complex Analysis, Linear Algebra, Real Analysis, Abstract Algebra.</i>
Winter 2019	ESIEE Paris , Teaching Assistant. <i>Introduction to Chaos Theory, Fourier Analysis.</i>

Languages

French	<i>Native</i>
English	<i>Fluent</i>
German	<i>B1 Level</i>

Current as of August 23, 2021