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Date of birth: 26/12/1991
 Nationality: French and
 Canadian

Education and Academic career

2019 –	UNIVERSITÄT WIEN , Vienna. Postdoctoral Researcher in the team of Anton Mellit.
2016 – 2019	UNIVERSITÉ PARIS DIDEROT , Paris. PhD in Mathematics , Advisor: David Hernandez.
July 2016	Agrégation de mathématiques , French diploma for higher education teaching.
2015 – 2016	UNIVERSITÉ PIERRE ET MARIE CURIE , Paris. M.Sc. of teaching in Mathematics , Summa cum Laude. Training for higher education teaching.
2014 – 2015	UNIVERSITÉ PARIS DIDEROT , Paris, France. M.Sc. in Fundamental Mathematics , Summa cum Laude.
2012 – 2014	ÉCOLE NORMALE SUPÉRIEURE (ENS), Paris. First year of M.Sc. in Fundamental Mathematics. B.Sc. in Mathematics , with high honors.
2009 – 2012	LYCÉE DU PARC , Lyon, France. Completed a three-year scientific program in preparation for the national “Grandes Écoles” competitive exam.

Publications

December 2020	<i>A quantum cluster algebra approach to representations of simply-laced quantum affine algebras</i> , in Mathematische Zeitschrift .
July 2020	<i>Quantum Grothendieck rings as quantum cluster algebras</i> , in Journal of the London Mathematical Society .
July 2019	PhD Thesis: <i>Quantum Grothendieck rings, cluster algebras and quantum affine category \mathcal{O}</i> .
August 2018	<i>Asymptotics of Standard Modules of Quantum Affine Algebras</i> , in Algebras and Representation Theory .
September 2015	Master Thesis: <i>Representations of the Yangian in Deligne’s category $\text{Rep}(Gl_t)$</i> .

Teaching

July 2020	ÉCOLE NORMALE SUPÉRIEURE ADMISSION EXAMINATION . Examiner for the <i>Mathématiques D</i> paper, Admission board.
2019 –	LYCÉE FRANÇAIS DE VIENNE , Vienna, Austria. Occasional substitute teacher in senior and junior high school classes.
2017 – 2019	UNIVERSITÉ PARIS DIDEROT , Paris, France. Teaching Assistant in Mathematics, for second year B.Sc. students preparing for engineer schools.
2016 – 2017	UNIVERSITÉ PARIS DIDEROT , Paris, France. Teaching Assistant in Mathematics, for first year B.Sc. students majoring in Computer Science.
2013 – 2015	LYCÉE SAINT LOUIS , Paris, France. Oral examiner in Mathematics.

Research visits

- May 2018** [UC RIVERSIDE](#), Riverside, USA.
Visited Pr. Vyjayanthi Chari.
- March – July 2015** [MASSACHUSETTS INSTITUTE OF TECHNOLOGY](#), Boston, USA.
Research internship in Mathematics. Advisor: Pr. Pavel Etingof.

Some talks

- Décembre 2020** [QUANTUM GROUPS AND COHOMOLOGY THEORY OF QUIVER AND FLAG VARIETIES](#), CIRM, BBB.
Monoidal categorification of cluster algebra and quantum affine Schur-Weyl duality.
- November 2020** [QUANTUM ALGEBRA DAYS](#), IMAG, Montpellier, Zoom.
Anneaux de Grothendieck quantiques, vers les types non simplement lacés.
- June 2020** [ARTIN WORKSHOP](#), [UNIVERSITY OF NOTTINGHAM](#), Microsoft Teams.
t-deformations of Grothendieck rings as quantum cluster algebras.
- February 2020** [COLLOQUE TOURNANT DU GDR TLAG](#), IHP, Paris, France.
Représentations des algèbres affines quantiques du point de vue des algèbres amassées quantiques.
- January 2019** [SÉMINAIRE GROUPES, REPRÉSENTATIONS ET GÉOMÉTRIE](#), [UNIVERSITÉ PARIS-DIDEROT](#), Paris, France.
Anneaux de Grothendieck quantiques et algèbres amassées quantiques.
- December 2018** [XXV BRAZILIAN ALGEBRA SCHOOL](#), Campinas, Brazil.
t-deformations of Grothendieck rings as quantum cluster algebras.
- June 2018** [QUANTUM AFFINE ALGEBRAS](#), Washington DC, USA.
t-deformations of Grothendieck rings as quantum cluster algebras.
- May 2018** [UC RIVERSIDE](#), Riverside, USA.
Asymptotics of standard modules of quantum affine algebras.
- January 2017** [GEOMETRY AND REPRESENTATION THEORY](#), [ESI](#), Vienna, Austria.
Quantum Grothendieck Rings and Baxter relations.

Administration

- **Reviewer** for the following journals: *Journal of the London Mathematical Society*, *Journal of Algebra*, *Algebra and Representation Theory* and *AMS Mathematical Reviews*.
- Member of the PhD Student Body at the Institut de Mathématiques de Jussieu-Paris Rive Gauche (IMJ-PRG).
- Organizer of biannual meetings between graduate students and PhD students.
- Member of the Gender Equality Committee of the IMJ-PRG.