CURRICULUM VITAE - THIBAUT MAZUIR

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Current situation and mathematical interests

I am currently a third year PhD student at IMJ-PRG (Institut de Mathématiques de Jussieu - Paris Rive Gauche), Sorbonne Université, Paris. My advisor is Alexandru Oancea.

I am mainly interested in the algebraic structures arising in symplectic geometry and in string topology. In that context, I often study problems at the interplay between symplectic and string topology, homotopical algebra, algebraic operads and polytopes.

Education

2022-2024	BMS Dirichlet Postdoctoral Fellow at Humboldt University, Berlin
2019-2022	PhD student at IMJ-PRG, Sorbonne Université
2018-2019	Master 2 internship under the supervision of Alexandru Oancea
	IMJ-PRG, Sorbonne Université
2017-2018	Master 2 of Pure Mathematics at Sorbonne Université
2015-2019	"Élève" at École Normale Supérieure de Paris,
	Département de mathématiques et applications

Papers

In preparation	*The V_∞-structure on the symplectic chains*
2022	*The diagonal of the multiplihedra and the tensor product of A_∞-morphisms*
	Joint work with Guillaume Laplante-Anfossi
2021	*Higher algebra of A_∞ and ΩBAs-algebras in Morse theory II*
	79 pages, submitted, `arXiv:2102.08996`
2021	*Higher algebra of A_∞ and ΩBAs-algebras in Morse theory I*
	93 pages, submitted, `arXiv:2102.06654`
2018	*Introduction to string homology*
	Masters dissertation under the supervision of Alexandru Oancea

Invited talks

June 2022	Séminaire Homotopie en Géométrie Algébrique, Université de Toulouse
May 2022	Uppsala University
February 2022	Meeting of the ANR Contact Symplectique, Institut Henri Poincaré, Paris
January 2022	Symplectic Zoominar
January 2022	Symplectic Geometry Seminar, Heidelberg University

December 2021	Séminaire AGATA, Université de Montpellier
October 2021	Annual meeting of the GDR de topologie algébrique, Strasbourg
October 2021	Symplectix seminar, Institut Henri Poincaré, Paris
September 2021	Workshop on Homotopical algebra and higher structures, MFO, Oberwolfach
May 2021	Séminaire de topologie, géométrie et algèbre, Université de Nantes
March 2021	Séminaire de topologie algébrique du LAGA, Université Sorbonne Paris Nord
August 2018	European Talbot Workshop 2018, Fischbach-bei-Dahn, Germany

Teaching

I have been a teaching assistant in Mathematics at Sorbonne Université since september 2019. My responsibilities consist in organizing problem sessions as well as organizing exams and marking them in the following two courses each year : *General mathematics for 1st year students* and *Linear and bilinear algebra for 2nd year students*. I supervise two groups that are composed of approximately 30 students each year.

Participation in workshops and conferences

September 2022	Floer homotopy theory Connections and Introductory Workshops MSRI, Berkeley
July 2022	Young Topologists meeting, University of Copenhagen
July 2022	Convexity in contact and symplectic topology, Institut Henri Poincaré, Paris
June 2022	Twinned Conference on Homotopy Theory with Applications to Arithmetic and Geometry, MPIM Bonn
February 2022	Meeting of the ANR Contact Symplectique, Institut Henri Poincaré, Paris
October 2021	Annual meeting of the GDR de topologie algébrique, Strasbourg
September 2021	Workshop on *Homotopical Algebra and Higher Structures*, MFO, Oberwolfach
June 2021	Workshop on *Higher Structures and Operadic Calculus*, CRM, Barcelona
May 2021	Workshop on *Double Poisson structures* organized by Bruno Vallette and Damien Calaque in Villaroger, France
April 2021	Spring School on *Symplectic and Contact Topology* École Normale Supérieure, Paris
October 2020	Workshop on *Koszul duality and Operads*, CIRM, Marseille
March 2020	*Higher homotopy algebras in topology 2*, HMI Workshop Trinity College, Dublin
February 2020	*XIV Workshop on Symplectic Geometry, Contact Geometry, and Interactions* 2020 CAST Conference organized at the University of Antwerp, Belgium
January 2020	*Rencontre en géométrie énumérative et réelle, Tropical geometry in Europe* Université de Nantes
July 2019	*Current trends in symplectic topology*, SMS seminar, CRM, Montréal
June 2019	*Algèbre homologique, analyse microlocale et géométrie symplectique* Thematic month organized at the CRM, Montréal
March 2019	*XIII Workshop on Symplectic Geometry, Contact Geometry, and Interactions* 2019 CAST Conference organized at Humboldt University, Berlin
January 2019	Conference *Higher structures*, CIRM, Marseille
August 2018	Workshop on *Free loop spaces in geometry and topology* European Talbot Workshop 2018, Fischbach-bei-Dahn, Germany

Miscellaneous

I am a French citizen.
I speak French (native), English (C1), Italian (B2) and German (B1).
I am currently a representative of the PhD students at the board of IMJ-PRG.