

Work experience

- Since 09/19 **Associate Professor ("Maître de conférences")**
Université Gustave Eiffel (LAMA), Paris-Est Marne-la-Vallée.
- 2018 – 2019 **Temporary assistant of teaching and research (A.T.E.R.)**
UFR Sciences et Techniques de Besançon / Laboratoire de Mathématiques de Besançon.

Formation

- 2015 – 2018 **Ph.D. in Mathematics**, *Université Bourgogne Franche-Comté (Besançon)*
Under the supervision of Gilles LANCIEN and Antonin PROCHÁZKA.
Thesis : Some aspects of the geometry of Lipschitz free spaces.
- 2014 – 2015 **Research Master in Mathematics (Functional Analysis)**, *Université de Franche-Comté*
Research Master Degree
Master thesis : Transfer of property (β) by a uniform quotient map
- 2014 **"Agrégation de Mathématiques"**
- 2013 – 2014 **Master Teaching of Mathematics**, *Université de Franche-Comté*
Master Degree

Research grants

- 2025 – 2030 **Member of the ANR project ComOp**
"Composition Operators and Banach spaces", coordinated by Frédéric Bayart.
- 2021 – 2024 **Member of the ANR JCJC project No. ANR-20-CE40-0006**, "Free space isomorphisms and isometries"
with Antonin Procházka and Romuald Ernst.
- 2021 **Member of the INSMI PEPS JCJC project**, "Linear and nonlinear dynamics in Lipschitz-free spaces"
with Clément Coine and Arafat Abbar.

Research works

- 2024
- **On curve-flat Lipschitz functions and their linearizations**,
with Gonzalo Flores, Mingu Jung, Gilles Lancien, Antonín Procházka and Andrés Quilis, preprint (2024), arXiv:2411.08369
 - **The set of elementary tensors is weakly closed in projective tensor products**,
Bull. Aust. Math. Soc., Published online (2024), 1-8.
 - **A pre-adjoint approach on weighted composition operators between spaces of Lipschitz functions**
with Arafat Abbar and Clément Coine, Results Math 79, 85 (2024).
- 2023
- **A note on the spectrum of Lipschitz operators and composition operators on Lipschitz spaces**
with Arafat Abbar and Clément Coine, preprint (2023), arXiv:2310.08965.
 - **Injectivity of Lipschitz operators**
with Luis García-Lirola and Antonín Procházka, Bull. Malays. Math. Sci. Soc. 46, 68 (2023).

- **On Kalton's interlaced graphs and nonlinear embeddings into dual Banach spaces**
with Bruno de Mendonça Braga, Gilles Lancien and Antonín Procházka, *Journal of Topology and Analysis*, *Journal of Topology and Analysis*, Vol. 15, No. 2 (2023) 467-494.
- 2022 • **Purely 1-unrectifiable metric spaces and locally flat Lipschitz functions**
with Ramon J. Aliaga, Chris Gartland, and Antonín Procházka, *Trans. Amer. Math. Soc.* 375 (2022), 3529-3567.
- **Compact and weakly compact Lipschitz operators**
with Arafat Abbar and Clément Coine, *Proceedings of the Royal Society of Edinburgh : Section A Mathematics* (2022), 1-19.
- 2021 • **Compact reduction in Lipschitz free spaces**
with Ramón J. Aliaga and Antonin Procházka, *Studia Math.* 260 (2021), no. 3, 341–359.
- **Embeddings of Lipschitz-free spaces into ℓ_1**
with Ramón J. Aliaga and Antonin Procházka, *J. Funct. Anal.* 280 (2021), no. 6, Paper No. 108916, 26 pp.
- **On the dynamics of Lipschitz operators**
with Arafat Abbar and Clément Coine, *Integral Equations Operator Theory* 93 (2021), no. 4, Paper No. 45, 27 pp.
- **On the weak maximizing properties**
with Luis García-Lirola, *Banach J. Math. Anal.* 15 (2021), no. 3, Paper No. 55, 29 pp.
- 2020 • **Supports in Lipschitz-free spaces and applications to extremal structure**
with Ramón J. Aliaga, Eva Pernecká and Antonin Procházka, *J. Math. Anal. Appl.* 489 (2020), no. 1, 124128, 14 pp.
- **On the coarse geometry of James spaces**
with Gilles Lancien and Antonin Procházka, *Canad. Math. Bull.* 63 (2020), no. 1, 77–93.
- 2018 • **Extremal structure and duality of Lipschitz free spaces**
with Luis García-Lirola, Antonin Procházka and Abraham Rueda Zoca, *Mediterr. J. Math.* 15 (2018), no. 2, 15–69.
- **A partial answer to the Demyanov-Ryabova conjecture**
with Aris Daniilidis, *Set-Valued Var. Anal* (2018), no. 1, 26–143.
- **On exposed points of Lipschitz free spaces**
with Antonin Procházka, Preprint, arXiv:1810.12031.
- 2017 • **On the structure of vector-valued Lipschitz functions spaces**
with Luis García-Lirola and Abraham Rueda Zoca, *Studia Math.* 239 (2017), no. 3, 249–271.
- **Schur properties over some Lipschitz-free spaces**
J. Math. Anal. Appl. 453 (2017), no. 2, 894–907.
- 2016 - 2023 **Reviewer of 12 articles in various journals.**

Responsabilities

- Since 2022 **International relations coordinator : responsible for the students (in Mathematics) doing a mobility program**
- Since 2021 **Member of two boards from my university : "La commission informatique" and "La commission permanente"**
- Since 2020 **Member of the "Conseil du Laboratoire (LAMA)"**
- 2018–2019 **Member of the "Conseil de la Fédération Bourgogne Franche-Comté de Mathématiques"**
The aim of this council is to coordinate, strengthen and promote the joint actions of the laboratory in Besançon and in Dijon.

Conferences/Seminars organized

- Since 2023 **Co-organisation of the seminar called "Séminaire informel d'analyse" (LAMA, UGE)**

- October 2023 **Creation of the Website for the “Journées du GDR AFHP” - Porquerolles (France)**
This conference gather mainly french researchers working on Functional Analysis, Harmonic Analysis et Probability.
- October 2022 **Co-organisation of the “Journées du GDR AFHP” - Corte (France)**
Website, booking, preparation and reception.
- September 2021 **Co-organisation of the “Journées du GDR AFHP” - Besançon (France)**
Website, booking, preparation and reception.
- June 2019 **Co-organisation of the “Journées Besançon-Neuchâtel d’Analyse Fonctionnelle”**
Booking, preparation and reception. This conference gather the Functional Analysis team of Besançon and the Group theory team of Neuchâtel.
- 2018–2019 **Member of the “Conseil de la Fédération Bourgogne Franche-Comté de Mathématiques”**
The aim of this council is to coordonate, strengthen and promote the join actions of the laboratory in Besançon and in Dijon.
- June 2017 **“Journées Besançon-Neuchâtel d’Analyse Fonctionnelle”**
Preparation and reception
- June 2017 **School trip for American students**
Visit of Franche-Comté
- May 2017 **“La Quatrième Journée des Jeunes Chercheurs de l’UBFC”**
Web page : <https://lmb.univ-fcomte.fr/Quatrieme-Journee-des-Jeunes?lang=fr>
- 2016–2017 **Seminar for PhD students of the LMB**
Web page : <https://lmb.univ-fcomte.fr/Seminaires-doctorant?lang=fr>

Presentations during conferences or seminars

- 2015 – 2022 **International conferences**
13 talks (France, Brazil, Spain, Switzerland and Czech Republic).
- 2015 – 2018 **Ph.D. conferences**
4 presentations.
- 2015 – 2022 **Seminars and Workshops**
2 presentations in Santiago de Chile, 5 in Besançon, 3 in Marne-la-Vallée, 2 in Lille, 1 in Kraków (online) and 1 in Paris.

Languages

- French **Mother tongue**
- English **Fluent**
- Spanish **Notion**