

# Pietro Mesquita Piccione

## Résumé

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## 1. Education

- 2021-Current **Master's Degree in Mathematics**, Paris VI, SU, Paris, France.  
with PGSM Scholarship
- 2017-2021 **Bachelor's degree in Mathematics**, Universidade de São Paulo, USP, São Paulo, Brazil.  
Pondered average 9.6/10, Ranked first among Math majors.

## 2. Research projects and grants

- September 2021 – Current **PGSM Scholarship**, *Scholarship for a Master's degree in Paris*, FSMP, Fondation Sciences mathématiques de Paris.
- October 2021 – Current **Work Group on Dynamical Systems**, *Groupe De Travail Dynamiques Sauvages*, IMJ-PRG, Sorbonne University.
- May 2020 – April 2021 **Morse Theory**, *Undergraduate Research Project*, FAPESP.  
Grant FAPESP 2020/04871-0
- 2020 – 2021 **Student Study Group in PDEs**, *Variational Methods in PDEs*, Undergraduate Student Activity, *Instituto de Matemática e Estatística*.

## 3. Talks

- 2022 **A counterexample for the periodic orbit conjecture**, *Groupe De Travail Dynamiques Sauvages*, IMJ-PRG, Sorbonne Université, France.
- 2021 **A Tale of Geometry**, *S4*, *Instituto de Matemática e Estatística*, Universidade de São Paulo, Brazil.
- 2020 **Morse Theory in 15 Minutes**, *Senior Thesis Presentation*, *Instituto de Matemática e Estatística*, Universidade de São Paulo, Brazil.
- 2020 **Is the Earth flat? A talk about curvature**, *S4*, *Instituto de Matemática e Estatística*, Universidade de São Paulo, Brazil.
- 2020 **How to solve any equation, with some conditions**, *S4*, *Instituto de Matemática e Estatística*, Universidade de São Paulo, Brazil.

## 4. Related Courses

- 2021 **Summer IMPA**, *Differential topology graduate course*, IMPA, Rio de Janeiro, Brazil.  
Online due to COVID
- 2020 **Summer IMPA**, *Functional Analysis Graduate Course*, IMPA, Rio de Janeiro, Brazil.  
with financial support
- 2018 **Summer IMPA**, *Real Analysis*, IMPA, Rio de Janeiro, Brazil.  
with financial support

## 5. Professional

### Current Activities

2020 – **Private Tutoring**, *Mathematical Analysis*, São Paulo, Brazil.  
current

### Past Activities

- 2020/2 **Teaching Assistantship**, *Introduction to Algebraic Topology*, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
- 2019/2 **Teaching Assistantship**, *Introduction to Analysis*, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
- 2019/1 **Teaching Assistantship**, *Differentiable functions and series*, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
- 2018/2 **Teaching Assistantship**, *Calculus II*, Escola Politecnica, Universidade de São Paulo, Brazil.

## 6. Other Info

### Events attended

- 2022 **Géométrie : échanges et perspectives**, *Insitut Henri Poincaré*, Paris, France.
- 2021 **Géométrie : échanges et perspectives**, *Insitut Henri Poincaré*, Paris, France.
- 2019 **32nd Brazilian Mathematics Colloquium**, *IMPA*, Rio de Janeiro, Brazil.
- 2018 **ICM 2018**, *International Congress of Mathematicians*, Rio de Janeiro, Brazil.

### Events Organized

- 2021 **MaThematical Days : Emmy Noether**, *Universidade de São Paulo*, São Paulo, Brazil.
- 2021 **MaThematical Days : Élie Cartan**, *Universidade de São Paulo*, São Paulo, Brazil.

### Academic Services

- 2021 **Organizer of the A5 Group**, *A student runned academic group*, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
- 2019 **Deputy Student Representative in the Mathematics Department Council**, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
- 2018 **Deputy Student Representative in the Mathematics Department Council**, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.

### Languages

Portuguese Mother Tongue  
Italian Mother Tongue  
English Fluent  
Spanish Fluent  
French Intermediate

### Links

Lattes <http://lattes.cnpq.br/7822745238118143>  
Orcid <https://orcid.org/0000-0002-1626-0726>