

Nikiforos Mimikos-Stamatopoulos

Department of Mathematics
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Personal information

Citizenship: Greece and USA.

Education

2018–present **PhD candidate, Mathematics**, *University of Chicago*, Advisor: Panagiotis Souganidis.

2018–2020 **MS Awarded June 2020**, *University of Chicago*.

2012–2017 **B.Sc. in Applied Mathematics, with honors**, *National Technical University of Athens (5 year program)*, Greece.

Research Interests

Partial differential equations, mean field games.

Publications and Preprints

- 2023 A Mean Field Game Approach to Large Deviations for Empirical Measures under common noise
arxiv:2310.08033
- 2022 Regularity and long time behavior of one-dimensional first-order mean field games and the planning problem (with S. Munoz)
arXiv:2204.06474, *SIAM Journal on Mathematical Analysis*, to appear.
- 2021 Weak and renormalized solutions to a hypoelliptic Mean Field Games system
arXiv:2105.05777, *SIAM Journal on Mathematical Analysis*, to appear.
- 2017 On Resonant Robin Problems with General Potential (with N.S. Papageorgiou),
Bull. Malays. Math. Sci. Soc.

Talks

July 27, 2022 Weak and renormalized solutions to a hypoelliptic Mean Field Games system,

19th International Symposium on Dynamic Games and Applications, Porto, Portugal

February 22, Regularity and long time behavior of one-dimensional first-order mean field games and the
2023 planning problem,

Distributed Solutions to Complex Societal Problems Reunion Workshop, IMSI, Chicago, USA

July 17, 2023 Regularity and long time behavior of one-dimensional first-order mean field games and the
planning problem

4th Workshop on Stochastic Methods in Finance and Physics, FORTH, Crete, Greece

Teaching Experience

2020–present **University of Chicago, Instructor**

- Autumn 2023, Math 153 *Calculus III*(Current)
- Summer 2023, Linear Algebra and Analysis in \mathbf{R}^n , SUMSA-IMSI summer program.
- Autumn 2022, Math 151 *Calculus I*
- Winter 2022, Math 153 *Calculus III*
- Autumn 2021, Math 152 *Calculus II*
- Spring 2021, Math 133 *Elementary Functions and Calculus III*
- Winter 2021, Math 132 *Elementary Functions and Calculus II*
- Autumn 2020, Math 131 *Elementary Functions and Calculus I*

2019–2020 **University of Chicago, College Fellow** (Teaching Assistant)

- Spring 2020, Math 270 *Basic Complex Variables*, Instructor: Nick Rozenblyum
- Winter 2020, Math 271 *Measure and Integration*, Instructor: Henrik Matthiesen
- Autumn 2019, Math 207 *Honors Analysis*, Instructor: André Neves

Awards & Fellowships

2020–2021 **Radix Trading Fellow**

2019–2022 **Amick Fellowship**, *University of Chicago*

2017 Limmat Stiftung, academic excellence award

2016–2017 Thomaidio Foundation, award for academic performance

2015–2016 Sarafis Foundation, award for academic performance

2015–2016 Thomaidio Foundation, award for academic performance

Languages

Greek Native Speaker

English Native Speaker

Computer skills

Mathematics \LaTeX , MATLAB
Software

Service Work

- Communications in Partial Differential Equations: journal referee.