

GAME THEORY AND BEHAVIORAL ECONOMICS

Moscow Institute of Physics and Technology (National Research University)

Degree or qualification is awarded: **PhD (Candidate of Science)**

Language of study: **English**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **375 000 RUB**

Programme curator: **Denis Ustyuzhaninov**

Tel.: **+7 (498) 713 91 70**

E-mail: interadmission@phystech.edu

Entry requirements:

- Master's degree / equivalent in a related field
- B2 level of English
- Good track record of publications related to the topic of the intended research
- Strong research proposal 1,500 - 3,500 words

Research supervisor:

[Tatiana Kozitsina \(Babkina\)](#)

PhD

Supervisor's research interests:

- Game theory.
- Behavioral economics.
- Behavioral finance.
- Mathematical modeling of social and economic processes.

Research highlights:

- Modern research topics as confirmed by Nobel prizes in recent years.
- Possibility to conduct laboratory experiments in behavior economics.
- Orientation on the publication in Scopus/WoS journals.

Supervisor's specific requirements:

- Mathematical analysis.
- Probability theory.
- Statistics.
- Python/R.

Main publications:

- Menshikov, I. S., Shklover, A. V., Babkina, T. S., & Myagkov, M. G. (2017). From rationality to cooperativeness: The totally mixed Nash equilibrium in Markov strategies in the iterated Prisoner's Dilemma. *PloS one*, 12(11), e0180754.
- Babkina, T., Myagkov, M., Lukinova, E., Peshkovskaya, A., Menshikova, O., & Berkman, E. T. (2016). Choice of the group increases intra-cooperation. *CEUR Workshop Proceeding*. Vol. 1627. P. 13–22.
- Lukinova, E., Babkina, T., Sedush, A., Menshikov, I., Menshikova, O., & Myagkov, M. (2017). Sociality is not lost with monetary transactions within social groups. *CEUR Workshop Proceeding*. Vol. 1968. P. 18–30.
- Peshkovskaya, A. G., Babkina, T. S., Myagkov, M. G., Kulikov, I. A., Ekshova, K. V., & Harriff, K. (2017). The socialization effect on decision making in the Prisoner's Dilemma game: An eye-tracking study. *PloS one*, 12(4), e0175492.

Specializations within this programme