

Game theory Lab

Alexander Nesterov, Phd

What is going on?

- How to find a corruptive auction using big data?
 - few, ongoing: Ivanov, Nesterov; Ivanovski, Baklanov
- Do doctors recommend drugs based on commission WITHOUT running proper tests first?
 - ongoing: Adaeva, Nesterov
- Do men risk too much? Do women risk too little?
 - ongoing: Nesterov, Susin
- How are students matched to schools and why?
 - few, ongoing: Bonkougou, Nesterov
- How to score athletes and candidates?
 - ongoing: Kondratev, Ivanovski, Nesterov, Ditzenbacher

What do we do?

- Game theory and applications
- Mechanism design
 - studying (and creating) **rules of the game** (auctions, voting, etc.)
- Market design
 - studying (and creating) **markets to match supply and demand**
- Information design
 - studying (and creating) **who knows what** in the game
- Miscellaneous:
 - Experiments in decision-making,
 - Computational social choice,
 - Machine learning for Economics
 - Mathematics

Who does all this?



Moulin, Hervé
Academic Supervisor



Nesterov, Alexander S.
Laboratory Head



Adaeve, Xenia
Research Assistant



Bagranova, Venera
Manager



Baklanov, Artem
Research Fellow



Bogomolnaia, Anna
Chief Research Fellow



Bonkoungou, Somouaoga
Research Fellow



Dietzenbacher, Bas
Research Fellow



Gavrilovich, Misha
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Gordon, Joseph
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Grinikh, Alexandra
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Iarovski, Egor
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Ivanov, Dmitriy
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Senior Research Fellow



Kondratev, Aleksei
Senior Research Fellow



Kreps, Victoria L.
Leading Research Fellow



Osipov, Nikolai
Senior Research Fellow



Petrosian, Ovanes
Senior Research Fellow



Pravotorov, Dmitry
Research Assistant



Sandomirskiy, Fedor
Senior Research Fellow



Sorokin, Constantine
Senior Research Fellow



Takhmazova, Aida
Research Assistant



Yanovskaya, Elena B.
Chief Research Fellow



Zhuravleva, Tatyana
Research Fellow

Who does all this?

- Game theory
 - cooperative: Yanovskaya, Kondratev, Ditzenbacher
 - non-cooperative: Panov, Sorokin, Baklanov
- Mechanism design
 - auctions: Kalinin, Sorokin (theory); Nesterov, Ivanov (empirics)
 - voting: Kondratev, Ianovski
 - fair division, etc.: Sandomirskiy, Ditzenbacher
- Market design
 - matching markets: Bonkougou, Nesterov, Kondratev
- Information design: Sorokin, Sandomirskiy
- Miscellaneous:
 - Experiments in decision-making: Zhuravleva, Nesterov, Adaeva, Susin,
 - Computational social choice: Ianovski,
 - Machine learning for Economics: Ivanov, Baklanov
 - Mathematics: Gavrilovich, Osipov, Kalinin

Who can you work with?

- Full-time employees (4)
- Postdocs (4)
- Part-time, including former full-timers (4)
- Phd-students (2)



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How to join us?

- We hire: up to 10 paid research assistants positions
 - necessary and sufficient condition:
find a supervisor from the Lab

We are open and approachable:

- weekly internal seminar,
 - Thursday at 16, talk to the manager for email:
vbagrano@hse.ru
- weekly department seminar (with EUSP),
 - Thursday at 18, <https://tinyurl.com/spbecon>
- workshops of the Lab
 - October 15-16, room 339, from 11.00 to 15.00
- reading group on matching market design
 - (TBA, ask me: nesterovu@gmail.com)