INFORMATION ECONOMICS

Main contribution:

- Belief patterns when several agents learn from different sources

  ‣ connections: no-trade, agreement theorem, tomography

  ‣ applications: multi-agent persuasion, privacy

Main papers:

- "Feasible joint posterior beliefs" Journal of Political Economy (JPE) 2021, EC'20 Best Paper

- "Private private information" EC'22

OPTIMAL TRANSPORTATION & DUALITY FOR ECONOMIC DESIGN

Main contribution:

- Multi-agent persuasion = transport

- Multi-item multi-bidder auctions = transport

Main papers:

- "Persuasion as transportation" EC'22

- "Beckmann's approach to multi-item multi-bidder auctions" WP 2022

JOB MARKET POSTER
FEDOR SANDOMIRSKIY
CALTECH POSTDOC

FAIR & EFFICIENT RESOURCE ALLOCATION

Main contribution:

- New literature on fair division of bads

  ‣ pseudo-market approach (CEEI)

  ‣ first algorithms for divisible & indivisible

  ‣ sharing-minimization

  ‣ robust use of statistical info

Main papers:

- "Competitive division of a mixed manna" Econometrica 2017

- "On fair division of a random object" Management Science 2022

- "On fair division with minimal sharing" Operations Research 2022

- "Algorithms for competitive division of chores" Mathematics of Operations Research R&R