Research Topics and Questions

Spectrum auction has become one of popular methods to allocate radio wave spectrum to wireless operators in this decade. However, some countries including Japan have not yet introduced the system due to its negative effects. One of the negative impacts would be the disadvantage for new entrants and small operators because the system requires tons of money to bid. I suppose the market competitiveness would be lost if telecom regulators would not consider any remedy for new entrants and small operators. In this research, I want to clarify how spectrum auction affects on wireless markets, particularly on new entrants and small operators, and what factors should be considered when Japanese telecom regulator introduces the system. Thus, my research questions are as follows.

- What is the latest trend of spectrum auction in the world?
- What is the merit and demerit of spectrum auction?
- What is the impact of spectrum auction on new entrants and small operators?
- Should Japanese telecom regulator introduce spectrum auction? If yes, what should be considered?

Readings


Study Plans

- In-person meetings would be held once every 4 weeks with the supervising faculty.
- Assignments will take the form of two 5-page reports, and a longer 10-page integrated review.