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Research Interests

Microeconomic Theory, Game Theory, Information Design.

References

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Education

	PhD in Economics, Boston College (expected completion in 2024.)
2020	MA in Economics, Boston College (*en route.*)
2018	MA in Economics, University of Bologna (*cum laude.*)
2016	BA in Business and Economics, University of Bologna.

Visits

2023	Visiting PhD Student, European University Institute.
2018	Erasmus, École Normale Supérieure Paris-Saclay.

Research

JOB MARKET PAPER

Coordination in Complex Environments
I introduce a framework to study coordination in highly uncertain environments. Coordination is an important aspect of innovative contexts, where: the more innovative a course of action, the more uncertain its outcome. To explore the interplay of coordination and informational complexity, this paper embeds a beauty-contest game into a complex environment. I uncover a new conformity phenomenon. The new effect may push towards exploration of unknown alternatives, or constitute a status quo bias, depending on the network structure of the connections among players. In an application to oligopoly pricing, increasing complexity leads to a greater level of conformity in pricing policies. I study the new coordination problems introduced by complexity and propose an equilibrium selection rule. In an application to multi-division organizations, sufficiently high complexity "implements" the same profits as centralized decision-making. I also study heterogeneity across players in the mapping from decisions to outcomes, and private information about a status quo.

The Extensive Margin of Bayesian Persuasion
I study the persuasion of a receiver who accesses information only if she exerts attention effort. The sender uses information to incentivize the receiver to pay attention. I show that persuasion mechanisms are equivalent to signals. In a model of media capture, the sender finds it optimal to censor high states. [slides.]

Double Votes
Double votes are used by standard-setting organizations and for unionization decisions. I study the ability of double votes to aggregate information dispersed among voters, in the sense of adopting the same policy as under symmetric information. A double vote aggregates information in situations in which a single vote fails to aggregate information.

Policy Competition with Conformity
I study a spatial model of elections where parties face a complex environment. Each party represents a combination of an agent of a constituency of voters and a career-concerned politician. Complexity lessens platform divergence and platforms converge if career concerns are sufficiently strong.

Teaching Experience

INSTRUCTOR

Game Theory (Fall 2023)

TEACHING ASSISTANT

PhD Microeconomic Theory II (Spring 2022, Spring 2023)
PhD Microeconomic Theory I (Fall 2021, Fall 2022)
Statistics (Fall 2020, Spring 2021)
Machine Learning for Economics (Spring 2020)

Market Design (Fall 2019)
Macroeconomic Theory (Spring 2019)

Fellowships

2023	BC Visiting Fellowship
2023	Donald J. White Teaching Excellence Award
2022-2023	Clough Fellowship
2022	BC Dissertation Fellowship (Summer)
2020	BC Summer Fellowship
2019	BC Summer Fellowship
2017	Merit-Based Fellowship (U. of Bologna)

Talks

2023-24   Econometric Society North American Winter Meeting (TX), Young Economists Meeting (Collegio Carlo Alberto, Turin), BC-Brown-BU Theory Workshop.

2022-2023   Econometric Society European Summer Meeting (Barcelona), European University Institute (Micro Group), U. of Bologna, 1st BC-BU Theory Conference, Brown Theory/Experimental Lunch Seminar, Boston University Theory Reading Group, Queen Mary PhD Workshop, Warwick PhD Conference.

2021-2022   Brown Theory/Experimental Lunch Seminar.

Miscellanea

Organizer of microeconomic theory reading group (2021-2022) and pre-seminar Q&A (Spring 2023).

Article: Central Bank Communication with the General Public, *Symposium of the Clough Center for Constitutional Democracy*, 2023.

Representative in Joint Committee (*Commissione Paritetica*), School of Economics, Management and Statistics, U. of Bologna.