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LINGNAN UNIVERSITY DEPARTMENT OF ECONOMICS 30TH ANNIVERSARY

Equilibrium Selection through Action Revision: Experiments

9 November 2026 (Mon)
16:30–18:00

WYL314, 3/F, Dorothy Y. L. Wong Building, Lingnan University



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BIOGRAPHY

Dr. Nilanjan ROY is an Associate Professor in the Department of Economics and Finance at the City University of Hong Kong. He uses controlled laboratory experiments to examine strategic interaction and decision-making in economic settings and financial markets. His work has appeared in leading Economics and Finance journals, including the *Journal of Finance, Economic Journal, Journal of Economic Theory, Games and Economic Behavior,* and the *Journal of Economic Behavior and Organization*, among others.

ABSTRACT

We design an experiment to examine the effects of allowing players to revise their actions in coordination games with opposing interests. Players receive random opportunities to revise actions, with final payoffs determined by actions at the last opportunity. Our experiment encompasses a Battle-of-the-Sexes game and three variations of the inequality game. Our treatments adjust the arrival frequency of revision opportunities, thereby affecting equilibrium selection predictions. The results reveal higher coordination rates under action revision than under the mixed-strategy Nash equilibrium. The findings support theoretical predictions that players with fewer opportunities to revise are more likely to achieve their preferred outcomes. Furthermore, beyond the frequency of revisions, the payoff structure is a crucial factor in determining equilibrium selection.

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