

DISTINGUISHED LECTURE SERIES 2022/23

THE STATE OF REPRESENTING AND SOLVING GAMES

23 MAR 2023 (THU)

10:00 - 11:00 AM (HKT)

Online via Zoom

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Abstract:

So far, game theory has mainly been used for reasoning by humans. The models have thus been quite stylized and coarse. There is now another, more nascent, use of game theory where the game is computationally solved in its full detail - or else in a large, faithful abstraction thereof. Novel approaches, game representations, and algorithms from the last 18 years have enabled game theory to advance significantly beyond its traditional boundaries. I will discuss that state of the art. The talk is based on my presentation at the 2021 Nobel Symposium: 100 Years of Game Theory, and also includes brand new results.

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