ELSC-ICNC Seminar: Sergiu Hart

March 10, 2011

On the topic of: Game Dynamics and Equilibria

Sergiu Hart
Hebrew University

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Game Dynamics and Equilibria

ICNC lecture hall (Silverman Bldg., Wing 3, 6th floor - Edmond J. Safra Campus)
March 10, 2011, at 17:00

Abstract:
An overview of a body of work on dynamical systems in multi-player environments. On the one hand, the natural informational restriction that each participant does not know the payoff functions of the other participants -- "uncoupledness" -- severely limits the possibilities to converge to Nash equilibria. On the other hand, there are simple adaptive heuristics -- such as "regret matching" -- that lead in the long run to
correlated equilibria, a concept that embodies full rationality. Connections to behavioral economics, neurobiological studies, and engineering, are also mentioned.

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