

Curriculum Vitae

Pradeep Dubey

Address

Office: Center for Game Theory, Department of Economics

SUNY at Stony Brook

Stony Brook, NY 11794-4384 USA

Phone: 631 632-7549

Fax: 631 632-7535

e-mail: pradeepdubey33@gmail.com

Field of Interest

Game Theory and Mathematical Economics

Degrees

B.Sc. (Physics Honours), Delhi University, India, June 1971

Ph.D. (Applied Mathematics), Cornell University, Ithaca, NY, USA, June 1975

Scientific Societies

Fellow of the Econometric Society

Council Member of the Game Theory Society

Fellow of Economic Theory

Academic Positions

1975-1978 Assistant Professor, School of Organization and Management (SOM) / Cowles Foundation for Research in Economics, Yale University.

1978-1984 Associate Professor, SOM and Cowles, Yale University.

1979-1980 Research Fellow (for the special year of Game Theory), Institute for Advanced Studies, Hebrew University of Jerusalem (on leave from Yale University).

1982-1983 Senior Research Fellow, International Institute for Applied Systems Analysis, Austria (on leave, with a Senior Faculty Fellowship from Yale University).

1984-1985 Professor, Department of Economics, University of Illinois at Urbana-Champaign.

1985-1986 Professor, Department of Applied Mathematics and Statistics / Institute for Decision Sciences (IDS), SUNY at Stony Brook.

1986-present: Leading Professor and Co-Director, Center for Game Theory, Department of Economics, SUNY at Stony Brook.

2005-present: Visiting Professor, Cowles Foundation for Research in Economics, Yale University.

Publications

Money as Minimal Complexity (with Siddhartha Sahi & Martin Shubik), forthcoming in *Games and Economic Behavior*, Special issue in honor of Lloyd Shapley (2017)

Graphical Exchange Mechanisms (with Siddhartha Sahi & Martin Shubik), forthcoming in *Games and Economic Behavior*, Special issue in honor of Lloyd Shapley (2017)

Eliciting Performance: Deterministic vs Proportional Prizes (with Siddhartha Sahi), *International Journal of Game Theory*, 45, pp 239-267, Special issue in honor of Abraham Neyman (2016)

Competing for Customers in a Social Network (with Bernard de Meyer & Rahul Garg), *Journal of Dynamics and Games*, 1, pp 377-409 Special issue in honor of Sylvain Sorin (2014)

The Role of Information in Contests, *Economic Letters*, 120, No.2 pp 160--163 (2013).

Prizes versus Wages with Envy and Pride (v& Ori Haimanko), *Japanese Economic Review*, 64, No. 1, pp 98-121 (2013).

Outsourcing Induced by Strategic Competition (with Yutian Chen & Debpriya Sen), *International Journal of Industrial Organization*, 29 (2011)

Credit Cards and Inflation (with John Geanakoplos), *Games and Economic Behavior*, 70, No. 2, pp 325-353 (2010)

Grading exams: 100,99,98..... or A,B,C ? (with John Geanakoplos), *Games and Economic Behavior* , 69, No. 1, pp 72-94 (2010)

A celebration of Robert Aumann's achievements on the occasion of his 80th birthday (ed. with Eric Maskin & Yair Tauman), *Games and Economic Behavior*, 69, No. 1 (2010).

Perfect Competition in an Oligopoly (including Bilateral Monopoly), (with Dieter Sondermann), *Games and Economic Behavior*, 65, No. 1, pp 124-141 (2009)

Games of Connectivity (with Rahul Garg), Mathematical programming and game theory for decision making, *Stat. Sci. Interdiscip. Res*, Vol 1, pp 287-304, World Sci. Publ., Hackensack, NJ, USA (2008).

Competing for Customers in a Social Network: the Quasi-Linear Case (with Bernard de Meyer & Rahul Garg), *Proceedings of International Workshop on Internet and Network Economies (WINE)*, Patros, Greece (2006).

Determinacy with Nominal Assets and Outside Money (with John Geanakoplos), *Economic Theory*, 27, No. 1, pp 79-106 (2006)

Strategic Complements and Substitutes, and Potential Games (with Ori Haimanko & Andriy Zapechelnyuk), *Games and Economic Behavior* , 54 , No. 1, pp 77-94 (2006)

Money and Production, and Liquidity Trap (with John Geanakoplos) *International Journal of Economic Theory*, 2, No.3-4, pp 295-317 (2006).

Compound Voting and the Banzhaf Index (with Ezra Einy & Ori Haimanko), *Games and Economic Behavior*, 51, No. 1, pp 20-30 (2005)

Default and Punishment in General Equilibrium (with John Geanakoplos & Martin Shubik), *Econometrica*, 73, No. 1, pp 1-37 (2005)

Learning with Perfect Information (with Ori Haimanko), *Games and Economic Behavior*, 46, No. 1, pp 304-324 (2004)

Inside and Outside Fiat Money, Gains to Trade, and IS-LM (with John Geanakoplos), *Economic Theory*, 21, No 2-3, pp 347-397, Special issue in honor of Mordecai Kurz (2003)

Monetary equilibrium with missing markets (with John Geanakoplos), *Journal of Mathematical Economics*, 39, No. 5-6, pp 585-618
Special issue in honor of Martin Shubik (2003)

From Nash to Walras via Shapley-Shubik (with John Geanakoplos), *Journal of Mathematical Economics*, 39, No. 5-6, pp 391-400,
Special issue in honor of Martin Shubik (2003)

Price-Mediated Trade with Quantity Signals: an Axiomatic Approach. (with Siddhartha Sahi), *Journal of Mathematical Economics*, 39, No. 5-6, pp 377-389, Special issue in honor of Martin Shubik (2003)

Is gold an efficient store of value? (with John Geanakoplos & Martin Shubik), *Economic Theory*, 21, no. 4, pp 767—782 (2003)

Optimal Scrutiny in Multi-period Promotion Tournaments (with Ori Haimanko), *Games and Economic Behavior*, 42, No. 1, pp 1-24 (2003)

When Less Competition Induces More Product Innovation (with Chien-wei Wu), *Economics Letters*, 74, No.3, 309-312 (2002)

Competitive Pooling: Rothschild-Stiglitz Reconsidered.
Quarterly Journal of Economics 117, No.4, 1529-1570 (2002)

Competitive Prizes: When Less Scrutiny Induces More Effort.
Journal of Mathematical Economics 36, No. 4, 311-336 (2001)

An Equivalence Principle for Perfectly Competitive Economies (with Abraham Neyman), *Journal of Economic Theory* 75, No. 2, 314—344 (1997)

Noncooperative General Exchange with a Continuum of Traders: Two Models (with Lloyd Shapley), *Journal of Mathematical Economics* 23, No. 4, 253-293 (1994)

Strategic Market Games: a Survey of Some Results, *Game Theoretic Methods in General Equilibrium Analysis*, NATO ASI Series D, vol 77, ed. J-F Mertens, S. Sorin; Kluwer Academic Publishers (1994)

An Axiomatic Approach to the Equivalence Phenomenon (with Abraham Neyman), *Game Theoretic Methods in General Equilibrium Analysis*, NATO ASI Series D, vol 77, ed. J-F Mertens, S. Sorin; Kluwer Academic Publishers (1994)

Repeated Trade and the Velocity of Money (with Siddhartha Sahi & Martin Shubik), *Journal of Mathematical Economics* 22, No. 2, 125-137 (1993)

The Value of Money in a Finite Horizon Economy (with John Geanakoplos), *Economic Analysis of Markets and Games*, MIT Press ed. P. Dasgupta, D. Gale, O. Hart, E. Maskin (1992).

Inefficiency of Smooth Market Mechanisms (with Jonathan Rogawski), *Journal of Mathematical Economics* 19, No. 3, 285-304 (1990)

Payoffs in Non-atomic Economies: an Axiomatic Approach (with Abraham Neyman), *The Shapley value: Essays in honor of Lloyd Shapley*, ed. A. Roth, 207--216, Cambridge Univ. Press, Cambridge (1988)

A Note on an Optimal Garnishing Rule (with Martin Shubik), *Economic Letters* 27, No. 1, 5-6 (1988).

The Revelation of Information in Strategic Market Games: a Critique of Rational Expectations Equilibrium, (with John Geanakoplos & Martin Shubik), *Journal of Mathematical Economics*, 16, No. 2, 105-137 (1987)

General Equilibrium and the Foundations of the Theory of Monopolistic Competition (with Martin Shubik), *Rivista Internazionale di Scienze Economiche e Commerciali*, 33, No.3, 207-219 (1986)

Inefficiency of Nash Equilibria, *Mathematics of Operations Research*, 11, No. 1, 1-8 (1986).

Information Patterns and Nash equilibria in Extensive Games II (with Mamoru Kaneko), *Mathematical Social Sciences*, 10, No. 3, 247--262 (1985)

Input-Output Prices with Endogenous Demand (with Prakash Chander), *Economics Letters*, 18, No. 2-3, 165—169 (1985)

Perfect Competition in Strategic Market Games with Interlinked Preferences (with Martin Shubik), *Economics Letters* 17, No. 1-2, 3-4 (1985)

On Monopolistic Competition and Perfect Equilibria (with Martin Shubik), *Essays in honor of Tullio Baglioni*, ed. O.Cantarelli, A.Agrati, A. Montesano (1985)

Information Patterns and Nash Equilibria in Extensive Games I (with Mamoru Kaneko), *Mathematical Social Sciences*, 8, No. 2, 111-139 (1984)

Payoffs in Non-atomic Economies: an Axiomatic Approach (with Abraham Neyman), *Econometrica* 52, No. 5, 1129—1150 (1984)

Totally Balanced Games arising from Controlled Programming Problems (with Lloyd Shapley), *Mathematical Programming*, 29, No. 3, 245-267 (1984)

The Shapley Value as Aircraft Landing Fees — Revisited, *Management Science* 28, No. 8, 869-874 (1982)

Price-Quantity Strategic Market Games, *Econometrica* 50, No. 1, 111-126 (1982)

Information Conditions, Communication and General Equilibrium (with Martin Shubik), *Mathematics of Operations Research* 6, No. 2, 186-189. (1981)

Value theory without efficiency (with Abraham Neyman & Robert James Weber), *Mathematics of Operations Research* 6, No. 1, 122-128, (1981)

The Profit Maximizing Firm: Managers and Stockholders (with Martin Shubik), *Economies et Societies (Cahiers de l'Institut de Sciences Mathematiques et Economiques Appliquees)*, Serie EM No. 6, Laboratoire Associe au C.N.R.S., Vol. 14, 1364-1388 (1981)

A Strategic Market Game with Price and Quantity Strategies (with Martin Shubik), *Zeitschrift fur Nationaloconomie* 40, No. 1-2, 25-35 (1980)

Nash Equilibria of Market Games: Finiteness and Inefficiency, *Journal of Economic Theory* 22, No.2, 363-376 (1980)

Efficiency Properties of Strategic Market Games: an Axiomatic Approach (with Andreu Mas-Colell & Martin Shubik), *Journal of Economic Theory* 22, No.2, 339-362 (1980)

Asymptotic Semi-values and a Short Proof of Kannai's Theorem, v

Mathematical Properties of the Banzhaf Power Index (with Lloyd Shapley), *Mathematics of Operations Research* 4, No. 2, 99-131 (1979)

Bankruptcy and Optimality in a Closed Trading Mass Economy Modeled as a Non-cooperative Game (with Martin Shubik), *Journal of Mathematical Economics* 6, No. 2, 115-134 (1979)

The Non-cooperative Equilibria of a Closed Trading Economy with Market Supply and Bidding Strategies, (with Martin Shubik), *Journal of Economic Theory* 17, No.1, 1-20 (1978)

A Closed Economy with Exogenous Uncertainty, Different Levels of Information, Money, Futures and Spot Markets (with Martin Shubik), *International Journal of Game Theory* 6, No. 2, 231-248 (1977)

A Closed Economic System with Production and Exchange Modeled as a Game of Strategy (with Martin Shubik), *Journal of Mathematical Economics* 4, No. 3, 253-287 (1977)

Trade and Prices in a Closed Economy with Exogeneous Uncertainty and Different Levels of Information (with Martin Shubik), *Econometrica* 45, No. 7, 1657—1680 (1977)

On the Uniqueness of the Shapley Value, *International Journal of Game Theory* 4, No. 3, 131-139 (1975)

Working Papers

Decentralized Designs for Deterministic Machines, Working Paper 17-07, Department of Economics, SUNY at Stony Brook (2017)

Selfishness vs Altruism vs Balance (with Yair Tauman) Working Paper 17-02, Department of Economics, SUNY at Stony Brook (2017)

Optimal Transfers in Non-cooperative Games (with Siddhartha Sahi), Working Paper 16-04, Department of Economics, SUNY at Stony Brook (2016)

Money and Status: How Best to Incentivize Work (with John Geanakoplos), Working Paper 16-02, Department of Economics, SUNY at Stony Brook (2016)

The Allocation of a Prize (expanded), Working Paper 12-02, Department of Economics, SUNY at Stony Brook (also: Cowles Foundation Discussion Paper 1858, Yale University) (2012)