

July 2007

Curriculum Vita

Arunava Sen

Personal Data

Born, January 3, 1959, married, one child

Address: K-1988 Chittaranjan Park, New Delhi - 110019, India

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Education

Ph.D (Economics), Princeton University, 1987 (Thesis Advisor: Hugo Sonnenschein)

M.Phil (Economics), Oxford University, 1982 (Inlaks Scholar 1980-82)

M.A (Economics), Delhi School of Economics, University of Delhi (1980)

B.A (Economics), St Stephen's College, University of Delhi (1978)

Positions Held

Professor, Indian Statistical Institute, Delhi Centre, June 1995 - present

Associate Professor, Indian Statistical Institute, Delhi Centre, June 1991 - June 1995

Lecturer, Indian Statistical Institute, Delhi Centre, December 1988 - June 1991

Visiting Scientist, Indian Statistical Institute, Delhi Centre, August 1987 - December 1988

Research Interests

Game Theory, Social Choice Theory, Mechanism Design, Voting and Auctions

Publications

Journal Articles

“Implementation in Subgame Perfect Equilibrium: A Necessary and Almost Sufficient Condition”, (with Dilip Abreu), *Journal of Economic Theory*, Vol 50, 1990, 285-299.

“Implementation under Strong Equilibrium: A Complete Characterisation”, (with Bhaskar Dutta), *Journal of Mathematical Economics*, Vol 20, 1991, 49-67.

“A Necessary and Sufficient Condition for Two-Person Nash Implementation”, (with Bhaskar Dutta), *Review of Economic Studies*, Vol 58, 1991, 121-128.

“Virtual Implementation in Nash Equilibrium”, (with Dilip Abreu), *Econometrica*, Vol 59, No 4, 1991, 997-1021.

“Implementing Generalised Condorcet Social Choice Functions via Backward Induction”, (with Bhaskar Dutta), *Social Choice and Welfare*, Vol 10, 1993, 149-160.

“Bayesian Implementation: The Necessity of Infinite Mechanisms”, (with Bhaskar Dutta), *Journal of Economic Theory*, Vol 64, 1994, 130-141.

“Two-Person Bayesian Implementation”, (with Bhaskar Dutta), *Economic Design* (now called *Review of Economic Design*), Vol 1, 1994, 41-54.

“Understanding whether agents are Fairmen or Gamesmen”, (with M. Spiegel, J. Currie and H. Sonnenschein), *Games and Economic Behavior*, Vol 7, 1994, 104-115.

“Nash Implementation through Elementary Mechanisms in Economic Environments” (with Bhaskar Dutta and Rajiv Vohra), *Economic Design* (now called *Review of Economic Design*), Vol 1, 1995, 173-204.

“The Implementation of Social Choice Functions via Social Choice Correspondences: A General Formulation and a Limit Result”, *Social Choice and Welfare*, Vol 12, 1995, 277-292.

“Ranking Opportunity Sets and Arrow Impossibility Theorems: Correspondence Results”, (with Bhaskar Dutta), *Journal of Economic Theory*, Vol 71, 1996, 90-101.

“Implementation in Generic Environments” (with James Bergin), *Social Choice and Welfare*, Vol 13, 1996, 467-478.

“Extensive Form Implementation in Incomplete Information Environments”, (with James Bergin), *Journal of Economic Theory*, Vol 80, 1998, 222-256.

“Separable Preferences, Strategyproofness and Decomposability”, (with Michel LeBreton, *Econometrica*, Vol 67, 1999, 605-628.

“Another Direct Proof of the Gibbard-Satterthwaite Theorem”, *Economics Letters*, Vol 70, 2001, 381-385.

“Strategy-proof Set Valued Social Choice Functions”, (with Salvador Barbera and Bhaskar Dutta), *Journal of Economic Theory*, Vol 101(2), December 2001, 374-394.

“Strategy-proof Probabilistic Mechanisms in Economies with Pure Public Goods”, (with Bhaskar Dutta and Hans Peters), *Journal of Economic Theory*, Vol 106, October 2002, 392-416.

“Dictatorial Domains”, (with Navin Aswal and Shurojit Chatterji), *Economic Theory*, Volume 22(1), 2003, pp 45-62.

“Ordinally Bayesian Incentive-Compatible Voting Rules”, (with Dipjyoti Majumdar), *Econometrica*, Vol 72(2), March 2004, pp 523-540.

“Top Pair and Top Triple Monotonicity”, (with Dipjyoti Majumdar), *Social Choice and Welfare*, Vol 27(1), August 2006, pp 175-189.

“Weak Monotonicity Characterizes Deterministic Dominant Strategy Implementation”, (with Sushil Bikhchandani, Shurojit Chatterji, Ron Lavi, Ahuva Mu’alem and Noam Nissan), *Econometrica*, Vol 74(4), July 2006, pp 1109-1133.

“Strategy-Proof Cardinal Schemes” (with Bhaskar Dutta and Hans Peters), *Social Choice and Welfare*, Vol 28 (1), January 2007, 163-179.

Articles in Books

“The Economic Theory of Quantity Controls”, (with Debraj Ray), in K.Basu and P.Nayak (eds.), *Development Economics and Policy*, Oxford University Press, 1991.

“Implementation with Perfect Information: A Survey”, (with Bhaskar Dutta), in B.Dutta et al (eds.), *Theoretical Issues in Development Economics*, Oxford University Press 1992.

“Price and Quantity Controls: A Survey of Major Issues”, (with Debraj Ray) in B. Dutta (ed.), *Welfare Economics*, Oxford University Press, 1993.

Awards and Honours

Fellow of the Econometric Society, 2003

Mahalanobis Memorial Medal of the Indian Econometric Society, 2000

Annual Koc University Prize 1995 for the best paper in *Economic Design* (now called *Review of Economic Design*). Title of the paper “Nash Implementation through Elementary Mechanisms in Economic Environments” written jointly with Bhaskar Dutta and Rajiv Vohra.

Professional Editorial Activities

Associate Editor, *Social Choice and Welfare*

Associate Editor, *Review of Economic Design*

Associate Editor, *Mathematical Social Sciences*

Professional Activities

Member, Council of the Econometric Society, 2006-.

Chair, South and South-East Asia, Regional Standing Committee of the Econometric Society, 2004-.

Doctoral Students

Manipushpak Mitra, Associate Professor, Indian Statistical Institute,
Kolkata

Dipjyoti Majumdar, Assistant Professor, Concordia University, Mon-
treal, Canada