

As of April 2004

## Curriculum Vita

Arunava Sen

### Personal Data

Born, January 3, 1959, married, one child

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

E-mail: [asen@isid.ac.in](mailto:asen@isid.ac.in)

Tel: (91) 11-2-651-4594 (0); Fax: (91) 11-2-685-6779

### Education

Ph.D (Economics), Princeton University, 1987

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

## 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.

### **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.

## **Working Papers**

“Strategyproofness and Decomposability: Weak Orderings”, (with Michel LeBreton ), mimeo, 1995

Dominant Strategy Implementation of First Best Public Decisions”, (with M. Mitra), ISI Discussion Paper No 98-02

Monotonic and Strategy-proof Selections in Allocation Models”, (with Shurojit Chatterji), ISI Discussion Paper No 99-09

“Mechanism Design by Informed and Observant Planners” (with Shurojit Chatterji), 2002

“Top Pair and Top Triple Monotonicity” (with Dipjyoti Majumdar), 2003.

“Incentive Compatibility in Multi-Unit Auctions”, (with Sushil Bikhchandani and Shurojit Chatterji), June 2003.

## **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*