

# Curriculum Vitae

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## EDUCATION

Delhi University, Delhi, India

B.A. in Economics (Honours). 1980-1983.

Indian Institute of Management, Ahmedabad, India.

Post Graduate Diploma in Management (M.B.A). 1983-1985.

Cornell University, Ithaca, USA.

M.A. in Economics. 1989.

Ph.D. in Economics. 1986-1990.

## FULL-TIME APPOINTMENTS

Assistant Professor, Erasmus University. Netherlands. 1990-1997.

Professor of Mathematical Economics, Erasmus University. Netherlands. 1998 -2001.

Professor of Economics, Queen Mary, University of London. UK. 2001-2003.

Professor of Economics, University of Essex. UK. 2003-2006.

Reader in Economics, University of Cambridge, UK. 2006-2007.

Professor of Economics, University of Cambridge, UK. 2007-

Professorial Fellow, Christ's College, Cambridge. UK. 2008-

## PRIZES AND HONOURS

National Talent Scholarship, Government of India. 1978-1985.

Merit Scholarship, Government of Assam, India. 1978-1980.

Gold Medal for Best Student in B.A (Honours), Delhi University, India. 1980-1983.

Industrial Scholarship, Indian Institute of Management, Ahmedabad. India. 1984-1985.

Andrew D. White Fellowship, Cornell University, Ithaca. USA. 1986-1988.

Research Fellow, Tinbergen Institute. Netherlands. 1995-present.

## PUBLICATIONS

### A. Book

1. **Connections: an introduction to the economics of networks.** Princeton University Press. October 2007.  
Paperback edition published in 2009.  
Chinese translation to be published by Peking University Press.

### B. Articles

1. The Birth of a New Market (with V. Bala), *Economic Journal*, 1994, 104, 282-290. [9]
2. On the Possibility of Efficient Bilateral Trade, *Economic Design*, 1994, 1, 79-102. [24]
3. A Theory of Learning with Heterogeneous Agents (with V. Bala), *International Economic Review*, 1995, 36, 2, 303-323. [21]
4. Dynamic Coordination Failures and The Efficiency of the Firm (with M. Janssen), *Journal of Economic Behavior and Organization*, 1995, 28, 2, 223-241. [17]
5. Technological Change in Markets with Network Externalities (with P. de Bijl), *International Journal of Industrial Organization*, 1995, 13, 3, 307-325. [18]
6. Can We Rationally Learn to Coordinate? (with M. Janssen), *Theory and Decision*, 1996, 40, 1, 29-49. [21]
7. Interaction Structure and Social Change, *Journal of Institutional and Theoretical Economics*, 1996, 152, 3, 472-495. [23]
8. Costs of Flexibility and Equilibrium Selection (with B. Galesloot), *Journal of Mathematical Economics*, 1997, 28, 249-264. [16]
9. Non-Exclusive Conventions and Social Coordination (with M. Janssen), *Journal of Economic Theory*, 1997, 77, 34-57. [24]
10. Grace Periods in Patent Law (with E. de Laat), in Mike Baye (eds), *Advances in Microeconomic Theory: Contests*, 1998. JAI Press. New York. [30]
11. Learning From Neighbors (with V. Bala), *Review of Economic Studies*, 1998, 65, 595-621. [26]
12. A Non-Cooperative Model of Network Formation (with V. Bala), *Econometrica*, 2000, 68, 5, 1181-1231. [49]
13. A Strategic Analysis of Network Reliability (with V. Bala), *Review of Economic Design*, 2000, 5, 3, 205-229. [24]
14. Conformism and Diversity under Social Learning, (with V. Bala). *Economic Theory*, 2001, 17, 1, 101-121. [20]
15. Group Size and Collective Action: Third Party Monitoring in Common Pool Resources (with A. Agrawal). *Comparative Political Studies*, 2001, 34, 1, 63-94. [30]

16. R&D Networks (with J.L. Moraga), *Rand Journal of Economics*, 2001, 32, 4, 686-707. [22]
17. Market Integration and Technological Change (with P. De Bijl), *Netnomics*, 2002, 4, 19-37.[19]
18. Networks of Collaboration in Oligopoly, (with S. Joshi), *Games and Economic Behavior*, 2003, 43, 57-85. [29]
19. Firms, Networks and Markets: a survey of recent research (With J.L. Moraga), *Review Economique Industrielle*, 2003, 103, 207-232. [25]
20. The Political Economy of Regionalism, (with K. Staal), *European Economic Review*, 2004, 48, 563-593. [31]
21. Network formation and social coordination, (with F. Vega-Redondo), *Games and Economic Behavior*, 2005, 50, 178-207. [30]
22. Social interaction in anti-coordination games, (with Y Bramouille, D Lopez, F Vega-Redondo) , *International Journal of Game Theory*, 2004, 33, 1-20. [20]
23. Network formation with heterogeneous players (with A.Galeotti and J. Kamphorst), *Games and Economic Behavior*, 2006, 54, 353-372. [20]
24. Strong and weak links, *Journal of European Economic Association*, 2005, 3, 608-616. [9]
25. Learning in networks, in G. Demange and M. Wooders (eds) *Group Formation in Economics: Networks, clubs and coalitions*. 2005. Cambridge University Press, Cambridge. [46]
26. Bilateralism and Free-Trade, (with S. Joshi), *International Economic Review*, 2006, 47, 3, 749-778. [30]
27. Economics: an emerging small world? (with J.L. Moraga and M. van der Leij), *Journal of Political Economy*, 2006, 114, 2, 403-412. [10]
28. Unequal connections, (with S. Joshi), *International Journal of Game Theory*, 2006, 34, 3, 319-349. [30]
29. Structural Holes in Social networks (with F. Vega-Redondo), *Journal of Economic Theory*, 2007, 137, 1, 460-492. [30]
30. Hybrid R&D (with J.L.Moraga and A. Konovalov), *Journal of European Economic Association*, 2008, 6 (6), 1309- 1338. [30]
31. Network Games (with A. Galeotti, M. Jackson, F. Vega-Redondo, L. Yariv)), *Review of Economic Studies*, 2009. To appear.
32. Influencing and influencers: a theory of strategic diffusion (with A. Galeotti), *Rand Journal of Economics*, 2009, 40, 3, 509-532.

33. Keeping up with the Neighbors: Social Interaction in a Market Economy (with C. Ghiglino), *Journal of European Economic Association*, 2009. To appear.
34. Matching and Network Effects (with M. Fafchamps and M. van der Leij), *Journal of European Economic Association*, 2009. To appear.
35. Learning in Networks, in *Handbook of Social Economics*, edited by Jess Benhabib, Alberto Bisin, and Matthew Jackson. 2009. To appear.
36. Social networks in economics, in *Handbook of Social Network Analysis*. Edited by Peter Carrington and John Scott. 2009. To appear.
37. The Law of the Few (with A. Galeotti), *American Economic Review*, (2009). To appear.

## GRANTS

1. Principal investigator for grant, *Strategic Networks of R&D Collaboration*, 2001-2005. (Co-investigator Dr. Jose Luis Moraga-Gonzales). Awarded by Dutch Science Foundation (NWO). Amount: Dutch Guilders 409,000/-
2. Principal investigator for grant, *Influencing the influencers: a theory of strategic diffusion*. 2006-2007. (Co-investigator Dr. Andrea Galeotti). Awarded by Economic Social Research Council (ESRC), UK. Amount: £ 64,535. *Output Rated Outstanding*.

## INVITED TALKS

### A. Keynote Speaker

- 10<sup>th</sup> Workshop on Economic Heterogeneous Interacting Agents. UK. 2005.  
 ADRES Annual Conference, Networks of Innovation and Spatial Analysis of Knowledge Diffusion. France. 2006.  
 Coalitions and Networks, Catholic University of Louvain, Belgium. 2007.  
 Social Networks Spark Conference. Unilever. UK. 2008.  
 GameNets: International Conference on Game Theory for Networks. Istanbul. Turkey. 2009.

### B. Invited lecture

- “Networks” at European Economic Association Meetings. Spain. 2004.  
 School and Workshop: Structure and Function of Complex Networks, Trieste, Italy. 2005.  
 “The empirical study of social networks”, at Econometric Society Summer Meetings, Budapest, Hungary. 2007.  
 Conference on on-line social networks. Microsoft. UK. 2007.  
 CS-Economics Conference. Cornell University. USA. 2009.  
 Workshop on Information Networks. New York University, USA. 2009.  
 Meeting on Methodology for Social Interactions, Networks and Health II. Harvard University, Cambridge Mass, USA. 2009.

### C. Research Lectures/summer schools

Lectures, Alicante, Spain (1999). Ph.D Lecture Course on Networks, Tinbergen Institute, Netherlands (2005). Graduate Course on ‘Economics of Networks’, Institute for Advanced Studies, Vienna, Austria (2006). Lectures to Interdisciplinary Research Group on “The Economics Approach to Study of Networks”, University of Utrecht, Netherlands (2006). Joint Research Lectures for CREED, Tinbergen Institute & ENCORE, Amsterdam, Netherlands (2003). Network Science Annual Conference, 2008, Norwich, UK. RES Easter School 2009, Birmingham, UK. NAKE Lectures 2009, Netherlands. Trento Summer School 2009, Italy.

### D. Specialized Conferences

Conference on Emergence and Stability of Institutions, Louvain, Belgium (1991). Economic Theory Meeting, Indian Statistical Institute, New Delhi, India (1994). Economic Theory Conference, Alicante, Spain (1994). Micro-Theory Conference, Northwestern University, USA (1998). Coalitions, Networks and Groups, Spain (1999). Conference on Decision-making, Groningen, Netherlands (1999). Conference on Networks and Learning, Alicante, Spain (1999). Conference on Social Capital: Creation and Returns, Amsterdam, Netherlands (1999). Stanford Institute for Theoretical Economics, Stanford, USA (2000). Conference on Networks, Marseille, France (2000). Economic Theory Meeting at Gerzensee, Switzerland (2001, 2006). Economic Theory Conference, Warwick, UK (1997, 2001). Coalition Theory Network Annual Conference (2003, 2004, 2005, 2006) Society for Advancement of Economic Theory, Rhodos, Greece (2003). Conference on Games and Networks, Northwestern University, USA, 2008. Conference on Networks and Innovation, Salerno, Italy, 2009. Social Networks in Economics, Quebec, Canada, 2009.

### E. Seminars

**International:** Amsterdam, Netherlands (1997, 2000, 2001). Tilburg, Netherlands (1991, 1994, 1997, 2000). McGill, Canada (1991). Rochester, USA (1991). Seminaire Fourgeaud, Paris, France (1991). Seminar Mathematical Economics, Paris, France (1992). Cornell, USA (1992, 1996, 1998, 2005). Louvain, Belgium (1992, 1995, 2004). Marseille, France (1992, 2003, 2004). Indian Statistical Institute, New Delhi, India (1992, 1993, 1995, 1999). Yale, USA (1998, 2000). Georgetown, USA (1999, 2006). Laboratoire d’Economie Industrielle, Paris, France (1993). Boston University (1998), Maastricht, Netherlands (1998). Alicante, Spain (1999, 2000, 2007). Brussels, Belgium (1999). Bonn, Germany (2000). Toulouse, France (2001). Seminar Roy, France (2001, 2006). European University Institute, Italy (2001). Munich, Germany (2001). Zurich, Switzerland (2002). Barcelona, Spain (2002). California Institute of Technology, USA (2004). University of California, Berkeley, USA (2004). University of California, Irvine (2004). Brown University, USA (2005). Northwestern University, USA (2005), University of Wisconsin, USA (2005). Boston College, USA (2006). George Washington University, USA (2006). Harvard University, USA (2006). University of Maryland, USA (2006). Vienna, Austria (2006). University of Texas, Austin (2007); Rice University (2007), Southern Methodist University (2007); Hebrew University, Israel (2007); Tel Aviv University, Israel (2007); INSEAD, France (2007); Michigan, Rutgers, USA (2007); Vanderbilt, USA (2008), Arkansas, USA (2008), Paris University II, France (2008, 2009); Paris University I, France (2009), European University Institute, Italy (2008), University of Utrecht, Netherlands (2008); National University Singapore (2009), Harvard Business School (2009), Wisconsin, Madison (2009).

**United Kingdom:** Cambridge (1996, 2002, 2004), Essex (1992, 1996, 2002, 2004, 2006).

Warwick (1992, 1996, 2004, 2008). St.Andrews (2001), University College London (2001, 2003). Birkbeck (2002). Edinburgh (2002). London Business School (2002), London School of Economics (2002). Newcastle (2002). Oxford (2004, 2009).

## DOCTORAL STUDENTS

### A. Previous students with first appointment within brackets:

1. Eric de Laat (Ministry of Health, Netherlands)
2. Klaas Staal (University of Bonn)
3. Andrea Galeotti (University of Essex/Caltech)
4. Marco van der Leij (University of Alicante)
5. Willemien Kets (Santa Fe Institute)
6. Ana Babus (University of Cambridge).

### B. Current students

1. J. Roberto Parra-Segura
2. Alessio D'Ignazio
3. Adrien Vigier
4. Bryony Reich

## SEMINAR & CONFERENCE ORGANIZATION

### A. Large International Conferences

- Member, Council for Workshop on Economic Heterogeneous Interacting Agents. 2001.  
Member, Programme Committee for Econometric Society European Meetings. 2002.  
Member, Programme Committee for Econometric Society & European Economic Association Meetings. 2004.  
Member, Programme Committee for European Economic Association Meetings. 2005.

### B. Specialized Conferences/Seminars

- Conference: “*Individual Rationality and Social Norms*”, Tinbergen Institute. Netherlands. 1993.  
Conference “*Economics of Networks*”, Tinbergen Institute. Netherlands. 1999.  
Economic Theory Seminar Series, The Tinbergen Institute. 1993-2000.  
Econometric Institute Seminar Series 1995-2000.  
Research on Monday Seminar Series, Erasmus University 1995-2001.  
Conference “*Frictionless Economy: The Economic Effects of the Internet*”, Tinbergen Institute. Netherlands. 2001.  
Inaugural Lipsey Lectures, University of Essex. 2004.  
Conference: “*Diffusion in Networks*”, University of Essex. 2007.  
Conference: “*Networks and Games*”, Univ. of Tilburg, Netherlands. 2008.  
Conference: “*The empirical analysis of networks*”, Univ. of Alicante, Spain. 2008.  
Microeconomics Seminars, Univ. of Cambridge, 2008-  
Reading Group: Networks and Theory, University of Cambridge 2007-  
Cambridge Networks Forum, 2008-