# Curriculum Vitae Nirvikar Singh January 2014

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# **CURRENT AND PREVIOUS EMPLOYMENT**

2013-	Director, Center for Analytical Finance, UCSC
2011-	Associate Director, Center for Global, International and Regional Studies, UCSC
2011-	Director, Business Management Economics Program, UCSC
2011-2013	Co-Director, Sury Initiative for Global Finance and International Risk Management, UCSC
2010-	Sarbjit Singh Aurora Chair in Sikh and Punjabi Studies, UCSC
2007-	Director, South Asian Studies Initiative, UCSC Social Sciences Division
2007-2010	Special Advisor to the Chancellor, UCSC Silicon Valley Initiatives
2006-08	Co-Director, Center for Global, International and Regional Studies
2005-06	Associate Director, Center for Global, International and Regional Studies
2001-03	Coordinator (Lead Co-Director), Santa Cruz Center for International Economics
1997-2001	Founding Co-Director, Santa Cruz Center for International Economics
1998-2007	Director, Business Management Economics Program, UCSC
1992-95	University of California, Santa Cruz, Chair, Economics Department
1993-	University of California, Santa Cruz, Professor of Economics
1988-93	University of California, Santa Cruz, Associate Professor of Economics
1982-88	University of California, Santa Cruz, Assistant Professor of Economics
1980	Bell Laboratories, Murray Hill, New Jersey, Member of Technical Staff (summer)
1978	Lawrence Berkeley Laboratories, Research Assistant (summer)
1977-82	University of California, Berkeley, Teaching and Research Assistant (Economics)
1976-77	University of Delhi, Delhi School of Economics, Research Associate

# **EDUCATION**

1982	University of California, Berkeley, Ph.D. in Economics
1976	London School of Economics and Political Science, University of London,
	M.Sc. in Economics with Mark of Distinction:
	Awarded Ely Devons Prize

# Curriculum Vitae Nirvi

January 2014

London School of Economics and Political Science, University of London,
 B.Sc. in Economics with First Class Honors:
 Awarded Gonner Prize and Allyn Young Prize

# HONORS, AWARDS AND GRANTS

<b>HONORS, A</b> 2014-15	WARDS AND GRANTS International Growth Centre, "Foreign Borrowing by Indian Firms: Implications for Growth and Macroeconomic Stability"
2011-12	International Growth Centre, "Foreign Investors under Stress: Evidence from Indian Firms"
2010-13	University of Pennsylvania Sub-Award, "Entrepreneurship in the Indian American Diaspora
2010-11	International Growth Centre, "Do Foreign Portfolio Flows Affect India's Financial Vulnerability?"
2007-13	UCSC Committee on Research, Annual Faculty Research Grants
2007	NET Institute, Summer Grant for research on Network Economics and the Digital Divide in Rural South Asia (with J. Kendall and K. Williams)
2006-07	UCSC Committee on Research, Special Research Grant, Business Transformation and Services Innovation: Managing Communication and Adaptation across Organizational Cultures
2006	NET Institute, Summer Grant for research on Performance of Rural Internet Kiosks in India (with J. Kendall)
2005-06	IBM Faculty Award, Business Transformation and Services Innovation: Managing Communication and Adaptation across Organizational Cultures
2003-05	Reserve Bank of India Development Research Group Grant, "Regional Inequality in India: Recent Trends and Policy Implications"
2003-05	Rajiv Gandhi Institute for Contemporary Studies, and International Development Enterprises (India) " Economic Reform for India's Masses: The Role of Information and Communication Technologies"
2001-02	Rajiv Gandhi Institute for Contemporary Studies Grant, "Information Technology as an Engine of Broad-Based Growth in India: A Case Study of Punjab"
1999-00	UC Pacific Rim Research Program Grant, "Productivity and Economic Growth in East Asia: Innovation, Efficiency and Accumulation"
1998-99	Asia Foundation Grant for UCSC Conference, "Growth, Governance and Empowerment: The Future of India's Economy"
1995-96	IGCC Grant, "Managing Water Scarcity: The Interaction between International River Negotiations and Domestic Reform Conflicts"
1995-96	IRIS India Program Grant, "Water and Federalism: India's Institutions Governing Inter-State River Waters"
1994	IRIS India Program Grant, "Political Economy of Indian Fiscal Federalism"

1993-94	UERG Grant, "Cost Analysis of Wind Generated Electricity in California"
1992-93	IRIS Grant, "The Economic Role of Government: Rents, Reform and Rights"
1992-94	UC Pacific Rim Program Grant, "East Asian Growth: Lessons for Economic Policy," with six others, Co-PI and project coordinator
1990-91	UCSC Pacific Rim and IGCC grants for "Workshop on Political and Economic Change in the Asian Pacific Rim and South Asia"
1988-89	UERG Grant, "Specification Error and Systematic Response Error in Conditional Energy Demand Models," Co-Principal Investigator
1987-88	UERG/CEC Grant, "Evaluating Biases in Conditional Demand Models Using Validation Data," Co-Principal Investigator
1986-87	UERG/CEC Grant, "Specification Error in Residential Demand Models," Faculty Associate
1986-87	NSF Grant, "Intergovernment Grants and Asymmetric Information," Principal Investigator
1983-85	Affirmative Action Grants, University of California, Santa Cruz
1982-06	Faculty Research Committee Annual Grants and various Social Science Division Research Grants, University of California, Santa Cruz
1977-82	Flood Fellowship, Genevieve Lichtig Fellowship and Stanley Tasheira Scholarship, Department of Economics, University of California, Berkeley
1975-76	C.K. Hobson Studentship, London School of Economics, London, England
1972-76	Allyn Young Prize, Gonner Prize and Ely Devons Prize, London School of Economics
1972-75	British Council Overseas Student Scholarship, London, England
1971	All-India Entrance Scholarship, Delhi University (declined)
1971	IIT Entrance Examination, rank 43 <sup>rd</sup> in India
1971	National Science Talent Scholarship (declined)
1971	Ranked among top 10 students all-India in Indian School Certificate Examination – Direct Admission to IIT (declined)

January 2014

#### RESEARCH STATEMENT

**Curriculum Vitae** 

My current work includes projects on capital flows and monetary policy rules in India, including a NIPFP-DEA project funded by the Ministry of Finance; healthcare systems in Punjab; and Indian-American entrepreneurs in the US. I have also worked extensively for the past ten years on the Indian economy, with a particular focus on regional inequality, intergovernmental grants, local government reform, public service delivery, water use and management, and broader governance issues. I have also worked on the impacts of information technology on Indian economic development, the productivity of Indian manufacturing firms, and the delivery of information services in rural India, through Internet kiosks, including extensive fieldwork. These

research foci are documented by my numerous publications in these areas, including a major book with M. Govinda Rao on Indian federalism. The work on regional inequality was funded by a Reserve Bank of India DRG project grant. I also work on broader issues of growth and development, and theoretical issues of federalism, collective action and decentralization. These include applications to domestic and international river water sharing in South Asia. I have also worked on sources of growth and changes in trade patterns in East Asia: I have just finished coediting the *Handbook of Economics of the Pacific Rim* for Oxford University Press. Finally, I work on Sikh Studies, a nascent field, where I have contributed historical analysis based on secondary sources.

#### PUBLISHED AND FORTHCOMING WRITINGS

#### **Articles in Professional Journals**

Does Too Much Finance Harm Economic Growth?, (with S.H. Law), forthcoming, *Journal of Banking and Finance* 

Bridging the Digital Divide in Rural India: Lessons from a Survey in Four States (with Y. Zhou, K. Williams, J. Kendall and P.D. Kaushik), forthcoming, *Review of Market Integration* 

Dove or Hawk? Characterizing Monetary Policy Regime Switches in India (with M. Hutchison and R. Sengupta), forthcoming, *Emerging Markets Review* 

Foreign Investors under Stress: Evidence from India (with I. Patnaik and A. Shah), *International Finance*, 16 (2), pp. 213-244

Turkey's Trilemma Trade-offs: Is there a role for reserves? (with O. Cortuk), *Iktisat Isletme ve Finans* 28 (328), pp. 105-122

Trade productivity upgrading, trade fragmentation, and FDI in manufacturing: The Asian development experience (with J. Mora), *Indian Growth and Development Review*, 6 (1), pp. 61-87

Trade Dynamics in the East Asian Miracle: A Time Series Analysis of US-East Asia Commodity Trade, 1962–1992 (with T. Carolan and J. Mora), *Millennial Asia*, 4 (1), pp. 87-108

Information Technology and Productivity in Indian Manufacturing (with S. Sharma), *India Policy Forum*, Vol. 9, 2012-13, pp. 187-229

2012 Effectiveness of Capital Controls in India: Evidence from the Offshore NDF Market (with M. Hutchison and G. Pasricha), *IMF Economic Review*, 60, pp. 395–438.

Internet Kiosks in Rural India: Gender, Caste and Location (with J. Kendall), *Review of Market Integration*, 4 (1), pp. 1-43

India's Trilemma, (with M. Hutchison and R. Sengupta), *The World Economy*, 35(1), pp. 3-18

#### **Curriculum Vitae** Nirvikar Singh

January 2014 2011 Structural change and growth in India, (with O. Cortuk), Economics Letters, 110 (3), pp.178-181 The Digital Divide in Rural South Asia: Survey Evidence from Bangladesh, Nepal and Sri Lanka (with Yan Zhou and P. D. Kaushik), *Indian Institute of* Management (Bangalore) Review, 23 (1), pp. 15-29 2010 Expenditure Governance and Information Technology: Assessing India's Situation and Potential, *India Review*, 9 (2), pp. 107-139 Estimating a Monetary Policy Rule for India, (with Michael Hutchison and Rajeswari Sengupta), Economic and Political Weekly, 45 (38), pp. 67-69 Market Institutions: An Expository Essay, Economics, Management, and Financial Markets, 5(2), pp. 210-36 2009 The Management of International Rivers as Demands Grow and Supplies Tighten: India, China, Nepal, Pakistan, Bangladesh, (with B. Crow), India Review, 8 (3), pp. 306-339 2008 Equilibrium Vengeance (with D. Friedman), Games and Economic Behavior, 66 (2), pp. 813-829 Transaction Costs, Information Technology and Development, Indian Growth and Development Review, 1 (2), pp. 212-236 Decentralization and Public Delivery of Health Care Services in India, Health Affairs, 27, no. 4 pp. 991-1001 Buy-It-Now: A Hybrid Market Institution (with S. Anderson, D. Friedman and G. Milam), Journal of Electronic Commerce Research, 9 (2), pp. 137-153 Fiscal Decentralization in China and India: Competitive, Cooperative or Market Preserving Federalism?, Public Finance and Management, 9 (1), available at http://www.spaef.com/article.php?id=433 2007 "Seller Strategies on eBay: Does Size Matter?", (with Steve Anderson, Daniel Friedman and Garrett Milam) International Journal of Electronic Business, Volume 5, Number 6, 30 December, pp. 643-669 Lost, Dysfunctional or Evolving? A View of Business Schools from Silicon Valley, Indian Institute of Management, (Bangalore) Review, Vol. 19, No. 3, September, pp. 329-334 The Dynamics of Reform of India's Federal System, CESifo Forum - Issue on China & India, vol. 8, No. 1, pp. 22-31 The Political Economy of India's Fiscal Federalism and its Reform, (with M. Govinda Rao), Publius: The Journal of Federalism, Winter 2007; 37 (1): pp. 26 - 44

2005 The Green Revolution in Punjab, India: The Economics of Technological Change (with D.S. Kohli), Journal of Punjab Studies, vol. 12, no. 2, pp. 285-306

> Nash Bargaining versus Market Outcomes, Indian Economic Review, 40 (1), pp. 21-36

Negative Reciprocity: The Coevolution of Memes and Genes, (with Daniel Friedman), *Evolution and Human Behavior*, 25(3), pp. 155-173

Patterns in Centre-State Fiscal Transfers: An Illustrative Analysis, (with Garima Vasishtha), *Economic and Political Weekly*, November 6, 39 (45), pp. 4897-4903

Foreign Capital, Inflation, Sterilization, Crowding-Out and Growth: Some Illustrative Models, (with T.N. Srinivasan), *Economic and Political Weekly*, June 12-18, 39 (24), pp. 2469-2482

Some Economic Consequences of India's Institutions of Governance: A Conceptual Framework, *India Review*, vol. 3, no. 2, April, pp. 114-146

Information Technology and Broad-Based Development: Preliminary Lessons from North India, (with P.D. Kaushik), *World Development*, 32 (4), pp. 591-607

Productivity Efficiency and Economic Growth: East Asia and the Rest of the World (with G. Han and K.P. Kalirajan), *Journal of Developing Areas*, vol. 37, no. 2, pp. 99-118

Regional Inequality in India: A Fresh Look (with L. Bhandari, A. Chen and A. Khare), *Economic and Political Weekly*, 38 (11), pp. 1069-1073, March 15

Regional Inequality in India: Addendum (with L. Bhandari), *Economic and Political Weekly*, 38 (30), p. 3213

Analyzing Change: Demand, Organizational Structures and Supplier Relationships, *Metamorphosis*, 2(1&2), pp. 97-99

Inter-state Water Disputes in India: Institutions and Policies (with A. Richards), International Journal of Water Resources Development, 18, 4, pp. 611-625

Productivity and Economic Growth in East Asia: Innovation, Efficiency and Accumulation (with G. Han and K.P. Kalirajan), *Japan and the World Economy*, 420, pp.1-24

Guru Nanak and the Sants: A Response to Professor McLeod, *International Journal of Punjab Studies*, 9:1, pp. 138-142

Miracles and Reform in India: Policy Reflections, *Asian Survey*, 42, 5, September/October, pp. 708-722

A Model of Inequality and Interest Group Politics (with I. Kohli), *Economics and Politics*, 13, 2, pp. 185-200

Implementation with Partial Verification (with D. Wittman), *Review of Economic Design*, 6, pp. 63-84

Contests Where There is Variation in the Marginal Productivity of Effort (with D. Wittman), *Economic Theory*, 18, pp. 711-744

No Easy Exit: Property Rights, Markets, and Negotiations over Water (with A. Richards), *International Journal of Water Resources Development*, 17, 3, pp. 409-425

Limited Liability, Contractual Choice, and the Tenancy Ladder (with T. Ray), *Journal of Development Economics*, 66, 1, pp. 289-303

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	Guru Nanak and the Studies, 8, 1, pp. 1-3	e Sants: A Reappraisal, <i>Internatio</i> 34	nal Journal of Punjab	
2000	-	novation in International Rivers: rld Development, 28,11, pp. 1907		
	•	sh vs. Kind, Self-selection and No Journal, 66,4, pp. 976-990	otches (with R. Thomas),	
1999		tivity Growth in Japan, South Koomic Review, 34 (2), pp. 93-112	rea and Taiwan (with H.	
	•	ent Setting with Asymmetric Effective Choice, Vol. 99, No. 3-4, June	• 0	
1998	-	EU.SEast Asia Trade and Chang d C. Talati), <i>Journal of Developm</i> 389		
1997	On Federalism and l	Reform in India, Seminar, No. 45	9, November, pp. 54-62	
	Nash Bargaining wi August, pp. 69-73	th the Option to Wait, Economics	s Letters, Vol. 55, No. 1,	
		form in India, <i>Journal of Internat</i> 5, No. 2, June, pp. 179-208	ional Trade and Economic	
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		y, Spillovers, and Research and D mational Economic Review, Vol. 3	- · · · · · · · · · · · · · · · · · · ·	
1995		May Be Beneficial: A Game-The vol. 47(3), pp. 275-281	eoretic Illustration,	
		onale of Apprenticeship: Lessons Elbaum), <i>Industrial Relations</i> , V		
1994		ial Gas and Electricity Consumpt Lee), <i>Journal of Business and E</i>		
1993		d Japan-U.S. Real Interest Rate D ial Review, June, pp. 57-67	oifferentials (with M.	
1992	-	rts and Externalities: A Granger Cational Economic Journal, Vol. 6,	• • •	
	_	eak-Load Pricing of Public Service December, pp. 443-446	ces: An Extension, National	

Posterior Preserving Information Improvements and Principal Age Relationships, <i>Journal of Economic Theory</i> , Vol. 55, 192-202	
Entry Datarrance in Stackalbara Parfect Equilibria (with K. Rosu) In	

Economics Letters, Vol. 18, pp. 265-269

Monitoring and Hierarchies: The Marginal Value of Information in a Principal-Agent Model, Journal of Political Economy, Vol. 93, 3, pp. 599-609

1984 Moral Hazard with a Finite Number of States, Economics Letters, Vol. 16, pp. 45-51

> Price and Ouantity Competition in a Differentiated Duopoly (with X. Vives). Rand Journal of Economics, vol. 15(4), pp. 546-554

Moral Hazard: Economic Meaning of the Conditions Justifying the First Order Approach, Economics Letters, Vol. 15, pp. 277-282

# **Chapters in Books**

2013 Introduction (with I. Kaur), in I. Kaur and N. Singh (eds.), Oxford Handbook of the Economics of the Pacific Rim, New York, Oxford University Press, forthcoming

> Federalism and Water Management in India, in S. Howes and M. G. Rao, eds., Federal Reform Strategies: Lessons from Asia and Australia, New Delhi: Oxford **University Press**

Democracy, Diversity, and Development: India's Strategy and Outcomes, in A. K. Fosu, ed., *Achieving Development Success: Strategies and Lessons from the Developing World*, Oxford: Oxford University Press

The Evolution of Fiscal Developments and Policies in the Pacific Rim (with M. Kumar and J. Woo), Chapter 9 in I. Kaur and N. Singh (eds.) *Oxford Handbook of the Economics of the Pacific Rim*, New York, Oxford University Press, forthcoming

Federalism and Economic Development in India: An Assessment (with T.N. Srinivasan), in N. Hope, A. Kochar, R. Noll, T.N. Srinivasan, eds., *Economic Reform in India: Challenges, Prospects, and Lessons*, New York: Cambridge University Press

2012 Call Centres, in *Oxford Companion to Economics in India*, ed. K. Basu and A. Maertens, New Delhi: Oxford University Press, revised version for second edition

Telecommunications, in *Oxford Companion to Economics in India*, ed. K. Basu and A. Maertens, New Delhi: Oxford University Press, revised version for second edition

- 2010 Some Market Measures of Capital Account Liberalization in India, (with Michael Hutchison and Gurnain Pasricha), in *China and Asia in the Global Economy*, ed. Yin-Wong Cheung and Guonan Ma, World Scientific Publishing
- Digital Economy, in *Handbook of Technology Management*, ed. Hossein Bidgoli, New York: Wiley International, pp. 19-36

India's Growth and the Service Sector, *Annual Business Standard India 2010*, ed. T.N. Ninan, New Delhi: Business Standard Books, pp. 15-53

Intermediaries in E-Commerce: Value Creation Roles, *Encyclopedia of E-Business Development and Management in the Digital Economy*, ed., In Lee, Hershey, PA: IGI Global, pp. 188-197

2008 How Well Has Electric Power Reform Worked in India?, Discussant's comments, *India Policy Forum*, 2007-2008, ed. Suman Bery, Barry Bosworth and Arvind Panagariya, New Delhi: Sage Publications, pp. 267-277

India's Public Sector in Comparative Perspective, in *The Crossover: Public Sector in Globalised India*, ed. Bibek Debroy, New Delhi: The Times Group, pp. 111-113

Crossing a Chasm: Technologies, Institutions and Policies for Developing a Regional IT Industry, *ICTs and Indian Social Change: Diffusion, Poverty and Governance*, Ashwani Saith, M. Vijayabaskar and V. Gayathri ed., New Delhi: Sage Publications, pp. 192-218

2007 Call Centres, in *Oxford Companion to Economics in India*, ed. K. Basu, New Delhi: Oxford University Press, 47-48

Telecommunications, in *Oxford Companion to Economics in India*, ed. K. Basu, New Delhi: Oxford University Press, 522-25

Services-Led Industrialization in India: Assessment and Lessons, in *Industrial* 

9

Development for the 21st Century: Sustainable Development Perspectives, ed. David O'Connor, New York: UN-DESA, pp. 235-291

Regional Inequality in India: A Fresh Look, (with Laveesh Bhandari, Aoyu Chen and Aarti Khare), reprinted in *India's Economic Development Since 1947*, ed. Uma Kapila, New Delhi: Academic Foundation, 170-184

Asymmetric Federalism in India, (with M. Govinda Rao) in Fiscal Fragmentation In Decentralized Countries Subsidiarity, Solidarity and Asymmetry, Richard Bird and Robert Edel, eds., Cheltenham, UK: Edward Elgar, pp. 295-319

Floods and International Relations in South Asia: An Assessment of Multi-Track Diplomacy (with B. Crow), forthcoming in Peter Mollinga, ed., Floods in South Asia: South Asia Consortium for Interdisciplinary Water Resources Studies (forthcoming, Orient Longman)

The Idea of South Asia and the Role of the Middle Class, *Engaging South Asia*: Challenges and Opportunities, ed. Hernaikh Singh and Jayan Jose Thomas: Singapore, Marshall Cavendish, pp. 99-127

2006 Digital Economy, in The Internet Security Handbook, Volume 1, Hossein Bidgoli, ed., Hoboken, NJ: John Wiley & Sons, pp. 15-36

> State Finances in India: A Case for Systemic Reform, in *Documenting Reforms*: Case Studies from India, ed. S. Narayan, New Delhi: Macmillan, pp. 56-86

International Labor Standards: From Theory to Policy, in Andrew P. Morriss and Samuel Estreicher, ed., Cross-Border Human Resources, Labor and Employment Issues: Kluwer Law International, pp. 795-854

Fiscal Policy in India: Lessons and Priorities, (with T.N. Srinivasan), in A Sustainable Fiscal Policy for India: An International Perspective, Peter Heller and M. Govinda Rao, ed., Oxford University Press, pp. 393-439

India's Federal Institutions and Economic Reform, (with M. Govinda Rao), in Devesh Kapur and Pratap Bhanu Mehta, eds., *India's Public Institutions*: Performance and Design: Oxford University Press, pp. 351-405

Vengefulness Evolves in Small Groups, (with Daniel Friedman), in Advances in Understanding Strategic Behaviour: Game Theory, Experiments and Bounded Rationality, Steffen Huck ed., Palgrave Macmillan, pp. 28-54

Indian Federalism, Economic Reform and Globalization (with T.N. Srinivasan), in Jessica Wallack and T.N. Srinivasan, eds., Federalism and Economic Reform: International Perspectives: Cambridge University Press, pp. 301-363

Digital Economy, in *The Internet Encyclopedia*, *Volume 1*, ed. H. Bidgoli, pp. 477-492

Information Technology and Rural Development in India, in *Integrating the Rural Poor into Markets*, in Bibek Debroy and Amir Ullah Khan, eds., New Delhi: Academic Foundation, pp. 221-246

Information Technology and India's Economic Development, in *India's* Emerging Economy: Performance and Prospects in the 1990's and Beyond, ed. K. Basu, MIT Press, pp. 223-261

2003 Introduction (with S. Marjit), in *Joint Ventures*, *Technology Transfer and* International Investment, eds. N. Singh and S. Marjit, New Delhi: Oxford University Press, pp. 1-36

> How to Think About Local Government Reform in India (with M.G. Rao), in Economic Reform and the Liberalisation of the Indian Economy: Essays in Honour of Richard T. Shand, ed., K.P. Kalirajan. Edward Elgar., pp. 335-390

The Political Economy of Center-State Fiscal Transfers in India (with M.G. Rao), in Institutional Elements of Tax Design and Reform, Washington, DC: World Bank, ed., J. McLaren, pp. 69-123

The Impact of International Labor Standards: A Survey of Economic Theory, in International Labor Standards, ed. K. Basu, et al, Basil Blackwell., pp. 107-181

Information Technology as an Engine of Broad-Based Growth in India, in *The* Knowledge Economy in India, ed. Parthasarathi Banerjee and Frank-Jürgen Richter, London: Palgrave/Macmillan, pp. 34-57

Foreign Technology, Spillovers, and R & D Policy (with M. Muniagurria), International Economic Review, 1997, reprint in Joint Ventures, Technology Transfer and International Investment, eds. N. Singh and S. Marjit, pp. 262-293

2001 The Economies and Economics of South Asia: In Search of Lost Time, International Encyclopedia of Social and Behavioral Sciences South Asian Studies: Economics 22: pp. 14631-6, eds., Paul B. Baltes and Neil J. Smelser

> The Evolution of Negative Reciprocity (with D. Friedman), in *Evolutionary* Controversy in Economics, ed. Y. Aruka, Tokyo: Springer Verlag, pp. 103-114

2000 Indian Fiscal Federalism: Political Economy and Issues for Reform" (with K. Kletzer) in *Institutions, Incentives and Economic Reforms in India*, ed. S. Kahkonen and A. Lanyi, New Delhi: Sage Press, pp. 37-76

> Theories of Sharecropping, reprinted with minor revisions in *Readings in* Development Economics, Volume 1: Micro-Theory, ed. P. Bardhan and C. Udry, MIT Press, pp. 19-71

1999 Old Culture, New Knowledge: The Writings of Bhai Mohan Singh Vaid (with A. Singh) in Sikh Art and Literature, ed. K. Brown, London: Routledge, pp. 172-180

1998 Contest Design and the Objective of the Contest Designer: Sales Promotions, Sporting Events, and Patent Races (with D. Wittman), in Advances in Applied Microeconomics, Volume 7: Contests, ed. Michael Baye, Stamford, CT: JAI Press, pp. 139-167

> Cultural Conflict in India: Punjab and Kashmir, in *The Myth of "Ethnic Conflict"*: Politics, Economics, and "Cultural" Violence ed. B. Crawford and R. Lipschutz, Berkeley: International and Area Studies, University of California at Berkeley, pp. 320-352

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1997	Theoretical Application Parthasarathy, B. Dutta	ns in Bargaining Over Water (with ns to Economics and Operations Ray, J.A.M. Potters, T.E.S. Raghavan mic Publishers, pp. 257-273	Research, ed. T.
	•	of Indian Fiscal Federalism (with Mundle, Oxford University Press,	· · · · · · · · · · · · · · · · · · ·
1995	<b></b>	Industry (with S. Marjit) in <i>India</i> cookherjee, Oxford University Pres	•
1994	-	vation and Technological Change in I. K. Basu, Oxford University Pres	_
1992		ology and Government Policy, in <i>L</i> K. Basu and P. Nayak, Oxford Uni	-
1989		oing, in <i>Economic Theories of Agra</i> ersity Press), pp. 33-72	arian Institutions, ed. P.
1985		nce: A Simple Analysis (with R.E. E. Grieson, pp. 127-133	Grieson), in Antitrust
1984	•	Land Improvements (with P. Bard Poverty, P. Bardhan (Oxford Uni	
1984		ing, and Cost Sharing (with P. Bar Poverty, P. Bardhan (Oxford Uni	

# **Books and Monographs**

2013	Oxford Handbook of the Economics of the Pacific Rim, ed. (with I. Kaur), New York, Oxford University Press, forthcoming
2010	Regional Inequality in India: Trends and Policy Implications, (with Jake Kendall, R. K. Jain and Jai Chander), Development Research Group Study No. 36, Mumbai: Department of Economic Analysis and Policy, Reserve Bank of India
2008	Waiting To Connect: Indian IT Revolution Bypasses The Domestic Industry, with Shubhashis Gangopadhyay and Manisha Singh, New Delhi: Lexis-Nexis-Butterworth
2005	Political Economy of Federalism in India, (with M.G. Rao), New Delhi: Oxford University Press.
2003	Joint Ventures, Multinational Investment and Technology Transfer, ed. (with S. Marjit), New Delhi: Oxford University Press.

# **Book Reviews**

2010	<i>Indian Agriculture: Challenges of Globalization.</i> Ed., A. Vinayak Reddy and M. Yadagira Charyulu, <i>Agricultural History</i> , 84 (3), pp. 418-419
2009	<i>India: The Emerging Giant</i> , by Arvind Panagariya, <i>International Review of Economics and Finance</i> , 18 (3), pp. 535–536
2007	Economic Reforms and Food Security, by S.C. Babu and A. Gulati, Journal of Asian Business
2003	India Working by Barbara Harriss-White, International Journal of Punjab Studies, 10 (1&2), pp. 227-230
2001	Unintended Consequences: The Impact of Factor Endowments, Culture, and Politics on Long-Run Economic Performance, Deepak Lal, American Journal of Agricultural Economics, 83, 3, 795-796.
2000	The Invisible Computer: Why Good Products Can Fail, the Personal Computer Is So Complex, and Information Appliances Are the Solution, Donald A. Norman, American Journal of Psychology (with Dominic W. Massaro), 113, 1, 123-135.
1994	Transfer, Adoption, and Diffusion of Technology for Small and Cottage Industries, R. Islam, ed., Pacific Affairs, 67, 2, Summer, 297-298.
1994	Studying the Sikhs: Issues for North America, J. Stratton Hawley and G.S. Mann, eds., Sikh International, August, 36-37.
Other	
<b>Other</b> 2010-	Fortnightly column on global economic trends and the Indian economy, for <i>Financial Express</i> , a leading Indian financial daily
2010-	Financial Express, a leading Indian financial daily Fortnightly column on global economic trends and the Indian economy, for Mint,
2010- 2008-10	Financial Express, a leading Indian financial daily  Fortnightly column on global economic trends and the Indian economy, for Mint, a leading Indian financial daily  India: Going Forward, Harvard International Review, special issue on South
2010- 2008-10	Financial Express, a leading Indian financial daily  Fortnightly column on global economic trends and the Indian economy, for Mint, a leading Indian financial daily  India: Going Forward, Harvard International Review, special issue on South Asia, January 7  A Road-Map for Inclusive Growth, Yojana (Indian Planning Commission
2010- 2008-10 2007	Financial Express, a leading Indian financial daily  Fortnightly column on global economic trends and the Indian economy, for Mint, a leading Indian financial daily  India: Going Forward, Harvard International Review, special issue on South Asia, January 7  A Road-Map for Inclusive Growth, Yojana (Indian Planning Commission Journal), 19-22.  Fiscal Federalism and Decentralization in India, background paper for World
2010- 2008-10 2007 2006	Financial Express, a leading Indian financial daily  Fortnightly column on global economic trends and the Indian economy, for Mint, a leading Indian financial daily  India: Going Forward, Harvard International Review, special issue on South Asia, January 7  A Road-Map for Inclusive Growth, Yojana (Indian Planning Commission Journal), 19-22.  Fiscal Federalism and Decentralization in India, background paper for World Bank independent evaluation unit, December
2010- 2008-10 2007 2006 2005-07	Financial Express, a leading Indian financial daily  Fortnightly column on global economic trends and the Indian economy, for Mint, a leading Indian financial daily  India: Going Forward, Harvard International Review, special issue on South Asia, January 7  A Road-Map for Inclusive Growth, Yojana (Indian Planning Commission Journal), 19-22.  Fiscal Federalism and Decentralization in India, background paper for World Bank independent evaluation unit, December  Monthly column on Indian Economic Reform, for Financial Express newspaper  India's System of Intergovernmental Fiscal Relations, paper prepared for the 10th Anniversary Conference of the Financial and Fiscal Commission of South Africa,

	S v
	www.project-syndicate.org/commentaries/commentary_text.php4?id=1223, July
	Guru Nanak and the Sikh Religion: A Personal Reflection, 1 <sup>st</sup> Annual Guru Nanak Lecture, San Jose State University (published as booklet), November
	Information Technology as an Engine of Broad-Based Growth in India: A Case Study of Punjab RGICS Report (published as booklet), May
2002	Fiscal Transfers in a Developing Country: The Case of India, (with M. Govinda Rao), paper presented at Birmingham Conference on Fiscal Federalism, January
2001	DotCom Deflation: What the Burst Bubble Means for India, http://news.sawaal.com/expertsays/guest/index163.htm
2000	Union-State Relations: Discussion Paper for the Constitution Review Committee of India (with M. Govinda Rao)
	Building the Foundations of India's New Economy, http://news.sawaal.com/expertsays/guest/index151.htm
1999	The Past and the Future of Economics in India: In Search of Lost Time, in <i>The Social Sciences in India: 1947-1997 and Beyond</i> , Symposium Papers, Center for South Asian Studies, UC Berkeley
1998	The Composition of US-East Asia Trade and the East Asian Miracle, <i>HKCER Letters</i> , 48, January, 3-4
1994	Cost of Wind Energy in California: A Model and Estimates for 1995-2030, report to UC Energy Institute
1993	Literature and Society: The Writings of Bhai Mohan Singh Vaid," Sikh Review, March
1991	Political and Economic Change in the Asian Pacific Rim and South Asia: A Report on a Workshop at the University of California, Santa Cruz, October 20, 1990
	Specification Error and Systematic Response Error in Conditional Energy Demand Models (with P. Ong and R. S. Lee), report to UERG
1989	Evaluating Biases in Conditional Energy Demand Models (with P. Ong and S. Holt), report to UERG/CEC.
1987	Conditional Energy Demand and Sample Selection Bias (with S. Holt and P. Ong), report to UERG/CEC.

January 2014

## WRITINGS IN PROGRESS

**Curriculum Vitae** 

ICTs and Rural Development in India, report to IDEI(I) and RGICS, New Delhi Inequality, Coalitions and Collective Action, (with Pranab Bardhan) (under revision)

The Economic Role of Government: Reform as a Mechanism Design Problem. Export Performance Requirements and Multinational Technology Choice (with I. Kohli)

Entry Incentives to Multinationals and Potential Competition (with P. Bardhan)

Government Policy towards Joint Ventures with Multinational Rivalry (with P. Bardhan)

The Role of R&D in Explaining Total Factor Productivity Growth in Japan, Korea and Taiwan (with H. Trieu)

The Economic Role of Government: Property Rights, Externalities and Mechanism Design

#### DISSERTATIONS SUPERVISED (MAIN ADVISOR)

"Information Cascades and their Application to Technology Diffusion", Deepali Singhal

"Growth, Technology, Research and Development, and Convergence: The Experience of Japan, South Korea, and Taiwan", Hung Trieu

"Fiscal Decentralization, Public Spending and Economic Growth: The Experience in Post-Reform China", Tao Zhang

"Three Empirical Essays on Trade Policy", Terrie Carolan

(Served on over three dozen other UCSC dissertation committees and oral qualifying exam committees, external PhD examiner for seven dissertations)

#### **PROFESSIONAL ACTIVITIES**

#### Service to Staff or Editorial Board of Scholarly Journals

### Refereeing for:

American Economic Review, American Journal of Agricultural Economics, American Journal of Sociology, Canadian Journal of Economics, Econometrica, Economic Inquiry, Economic Theory, Economics and Politics, Economics Letters, Economics of Governance, Energy Journal, European Economic Review, European Journal of Political Economy, Games and Economic Behavior, International Economic Journal, International Economic Review, International Journal of Game Theory, International Journal of Industrial Organization, International Tax and Public Finance, Japan and the World Economy, Journal of Comparative Economics, Journal of Development Economics, Journal of Economic Behavior and Organization, Journal of Economic Studies, Journal of Economics, Journal of Economics and Business, Journal of Economics and Management Strategy, Journal of Environmental Economics and Management, Journal of Industrial Economics, Journal of International Trade and Economic Development, Journal of Money, Credit and Banking, Journal of Policy Reform, Journal of Public Economic Theory, Journal of Public Economics, Journal of Quantitative Economics, Journal of the European Economic Association, Managerial and Decision Economics, National Tax Journal, Oxford Economic Papers, Quarterly Journal of Economics, Regional Science and Urban Economics, Review of Development Economics, Review of Economic Studies, Southern Economic Journal, World Development.

### **Selected Recent Presentations and Lectures**

2013 Indian Federalism and Expenditure Governance, Rockefeller Foundation Bellagio Center, Italy, July

Foreign Portfolio Flows into India: Firm Level Evidence, International Growth Centre, New Delhi, July

Information Technology and Indian Economic Development, Indira Gandhi Institute for Development Research, 25<sup>th</sup> Anniversary Conference, Mumbai, December

Capital Controls in India, National Institute of Public Finance and Policy, new Delhi, September

Information Technology and Manufacturing Productivity in India, Brookings-NCAER India Policy Forum, New Delhi, July

Foreign Direct Investment and Trade Fragmentation in Asia, National Institute of Public Finance and Policy, New Delhi, March

2011 Global Slowdown and Economic Policymaking in Emerging Economies, Delhi Economic Conclave, Ministry of Finance, Plenary Panel, December

Global Financial Architecture: Towards Consensus?, Delhi Economic Conclave, Confederation of Indian Industry, December

Water Management and Federalism in India, Australian National University, December

Foreign Investors under Stress: Evidence from India, International Growth Centre, London, September

India's Economic Growth? What Can We Expect?, The Commonwealth Club, San Francisco, August

2010 Inclusive Growth in India, Delhi Economics Conclave, Ministry of Finance, New Delhi, December

Water Management and Federalism in India, National Institute of Public Finance and Policy, New Delhi, December

Analyzing the Innovator's Dilemma, Indian Institute of Management (Bangalore), March 5, Bangalore, India

Analyzing the Innovator's Dilemma, Bay Area Services Science, Management and Engineering Forum, IBM, April, San Carlos, CA

2009

Macroeconomic and Financial Sector Policies: A Research Agenda, Conference on IGC Growth Research Program on India, April 19, New Delhi, India

Monetary policy in India, Conference on IGC Growth Research Program on India, April 20, New Delhi, India

Participant and panelist for "India's financial sector reforms," Stanford Center for International Development annual India conference, June 3-4, Stanford, CA

Panel presentation on "India's Public Finances and Prospects," BayBrazil Emerging Markets Form, June 10, Sunnyvale, CA

Impacts of Information Technology Use on Indian Firms, Stanford-SJSU Conference on "The Future of Industry and Innovation in Asia: Firms, Networks and Alliances," July 8, Stanford University, Stanford, CA

Opening keynote presentation, "Water Choices in India," Conference on India's Water Issues, US State Department, July 11, Washington DC

Mitigation Options and Future Government Actions, Conference on India's Water Issues, US State Department, July 11, Washington DC

India's trilemma: Financial liberalization, exchange rates and monetary policy, Ministry of Finance-National Institute of Public Finance and Policy Conference, September 1, New Delhi, India

Expenditure Governance and Information Technology: Assessing India's Situation and Potential, conference on From Outlays to Outcomes, CPR-IFMR, New Delhi, August

International water cooperation in South Asia," Conference on India's Foreign Policy, Center for Advanced Study of India, University of Pennsylvania, April, Philadelphia, PA

Panelist and presenter on "Highlights of India's Budget," KPMG-US India Business Council, July, Menlo Park, CA

Participant and discussant for "India's management of the economic crisis," Stanford Center for International Development annual India conference, October, Stanford, CA

Participant, Santa Cruz Institute for International Economics Annual Conference, October, Santa Cruz, CA

Rediscovering India, SAGE-Madras School of Economics Annual Distinguished Lecture, November, Chennai, India

Political administration in India, Individual presentation, US State Department, December, Washington DC

Political Economy of India's States, US State Department, March, Washington, DC

2008 Investing in India, US State Department, Washington, DC, October

India's 13<sup>th</sup> Finance Commission: Issues and Agenda, World Bank, Washington DC, October

Indian capital control liberalization: Evidence from NDF markets, NIPFP-DEA Program on Capital Flows 2<sup>nd</sup> and 3<sup>rd</sup> Meetings, New Delhi, March and September

India's development strategy, WIDER, Helsinki, June

International water cooperation in South Asia, University of Pennsylvania, April

2007 Rule and Reform in India and China, Harvard University

IT and India's development: Annual South Asia conference, University of Wisconsin, Madison

Panelist, Brookings-IMF Forum on India's Growth, Washington DC

Fiscal Federalism, Decentralization and Health Services Delivery in India, Harvard School of Public Health

Speaker, India's Budget, 2007-08, The Indus Entrepreneurs, Santa Clara, CA

Panelist, The Global Economy, The Indus Entrepreneurs Annual Conference, opening keynote panel

Services-Led Industrialization in India, Institute for South Asian Studies, National University of Singapore

Decentralization, Information Technology and Rural Water Supply, World Bank, New Delhi

Regional Inequality in India, Reserve Bank of India, Mumbai

Discussant on Indian Electricity Reforms, India Policy Forum, New Delhi, India

Decentralization in India, Democracy and Governance conference, UC Berkeley

2006 Panelist, CGIRS workshop on Transforming Asia in the 21<sup>st</sup> Century

Services-Led Industrialization in India, Workshop on Industrial Development for the 21<sup>st</sup> Century, UN-DESA, New York

Information Technology and Development in India, World Information Technology Congress, Austin, TX

Federalism and India's Economic Development, Pan-Asia conference, Stanford University

The Interpretation and Significance of Guru Arjan Dev's Martyrdom, International Conference on Guru Arjan, San Jose State University

Reform of State Level Finances in India, Observer Research Foundation Conference, New Delhi

## **Curriculum Vitae**

# Nirvikar Singh

January 2014

2005

An Analytical Framework For Services Science, Services Innovation Conference, e-Business Research Center, Pennsylvania State University

The Idea of South Asia and the Role of the Middle Class, International conference on South Asia, Institute for South Asian Studies, National University of Singapore

Management Education, Trends and Implications for India, conference on Higher Education, Rajiv Gandhi Institute for Contemporary Studies, New Delhi

Speaker, India's Budget, 2005-06, The Indus Entrepreneurs, Santa Clara, CA

Regional Inequality in India, Institute for South Asian Studies, National University of Singapore

The Idea of South Asia and the Role of the Middle Class, National Institute for Public Finance and Policy, New Delhi

### **Other Professional Activities**

Infosys Prize Jury, Social Sciences (Economics) 2012

Advisory Board, The Indus Entrepreneurs Economic Forum

Treasurer, Sikh Music Heritage Institute

Legal expert witness on political economy of tax reform and economic growth in India

Consulting and/or academic (pro bono) advising for technology firms: PostX, Jareva, Evalueserve, Drishtee, Seroia Research

Editorial Advisory Board, Journal of Punjab Studies

Editorial Board, Journal of International Trade and Economic Development

Member, University of California Institute on Global Conflict and Cooperation, Systemwide Committee, 2000-2003

Consultant, World Bank, project on decentralization in India, 2006; prepared background paper on local government reform in India for workshop on decentralization, 1997; research on water and federal issues in India, 1996

Member, University of California Pacific Rim Research Program Executive Committee, 1994-97

Referee, National Science Foundation, various years

Referee, University of California Energy Institute, various years

Trustee, Sikh Foundation Board (1998-2001)

Visiting Scholar, Center for Research on Economic Development and Policy Reform, Stanford University, Fall 1998 and Fall 1999

Visiting Fellow, Department of Economics, Research School of Pacific and Asian Studies, Australian National University, July-August, 1997

Senior Visiting Fellow, Centre for Development Economics, Delhi School of Economics,

December 1995-January 1996

Visiting Fellow, Indian Statistical Institute, Delhi, February-March, 1994

Visiting Fellow, Indian Statistical Institute, Delhi, December, 1992

Visiting Fellow, Delhi School of Economics, University of Delhi, Fall, 1984, taught two courses on "Uncertainty, Game Theory and Industrial Organization"

Visiting Fellow, Erasmus University, Rotterdam, Summer, 1984

#### TEACHING EXPERIENCE

### Undergraduate

Introductory Microeconomics, Intermediate Microeconomics, Statistical Methods, Econometrics, Mathematics for Economists, Managerial Economics, Business Strategy, Economics and Management of Technology and Innovation, Economics of Electronic Commerce, E-Commerce Strategy, Economic Development, Poverty Wealth and Inequality, Corporate Finance

#### Master's

Applied Microeconomics, Econometric Theory, Applied Econometrics, Forecasting, Industrial Organization, Mathematics for Economists

#### **Doctoral**

Microeconomic Theory (all three courses in year-long sequence), Applied Econometrics

## **REFERENCES**

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