

Payal Malik

Associate Professor of Economics, University of Delhi

Senior Research Fellow, LIRNEasia

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Education

- June 1996 Master of Business Administration (Finance)
University of Cincinnati, Cincinnati, OH, USA
- June 1994 Master of Philosophy (Economics)
Delhi School of Economics, University of Delhi, Delhi
- July 1990 Master of Arts (Economics)
Delhi School of Economics, University of Delhi, Delhi
- July 1988 Bachelor of Arts (Economics and Mathematics)
Lady Shriram College, University of Delhi, Delhi

Work Experience: University

- April 07 till date Associate Professor in Economics, University of Delhi
- 1997-2007 Senior Lecturer of Economics, University of Delhi
- August 90-97 Lecturer of Economics, University of Delhi

Work Experience: Policy Research and Practice

- Area of interest Privatization, Competition and Regulation of Infrastructure Industries; Interface between technology, competition and society; competition policy; ICTs

Independent Positions/Affiliations

- September 04 till date *Senior Research Fellow*, LIRNEasia, Sri Lanka, research focus ICT
- October 08 till date *Advisor*, Centre for Analysis of Policy and Competition, Indicus Analytics
- 2002 till date *Consultant*, Center for Infrastructure and Regulation, National Council of Applied Economic Research (NCAER)
- July 97 till June 02 *Consultant*, NCAER, Industry and Infrastructure Division
- June 04 till September 06 *Consultant*, Water and Sanitation Programme-SA, World Bank, New Delhi
- Other Positions *Columnist*, Financial Express of India
- Member* of the International Telecommunications Society, ITS
- Member* of the Project Advisory Committee, CUTS International, Jaipur India
- Representative* of the WPIIS, OECD in India for strengthening ICT data collection at the Department of Information Technology, DIT, MC&IT, India.

Selected Research Projects

- Advisor and Principal Researcher, **Implementation issues in Infrastructure: Roads and Power**,

NCAER

- Advisor and Principal Researcher, **Strategies for India's Infrastructure Development: Telecom** NCAER
- Advisor and Principal Researcher, **Model IPR regime for Music on FM**, Indicus Analytics, Sponsor: Ministry of Information and Broadcasting
- Advisor and Principal Researcher, **Statistical Compilation of ICT Statistics in India and Policy Analysis**, Sponsor: Orbicom, University of Quebec at Montreal, Canada, working in association with the Ministry of Statistics and Programme Implementation (MoSPI)
- Principal Researcher, **Quality of regulation: An analytical case study approach Indian electricity and Petroleum & Natural Gas industries**, Sponsor: CUTS, Jaipur India
- Principal Researcher, **An Evaluation of Different Models for the Issuance of Licenses for Service Provision and Frequencies**, LIRNEasia, Sri Lanka, Sponsor: IDRC and DFID
- Project Advisor, **A Study on Competition in mainframes and associated services in India**, Indicus Analytics, Sponsor: Openmainframe.org
- Project Advisor, **ICT Sector in India R and D and innovation systems and its globalization**, Sponsor: Joint European Research Centre, IPTS, Seville, Spain
- Project Advisor and Principal Researcher, **Total Cost of Ownership of Mobile: Lessons from four South Asian Countries**, Connectasia Singapore, Sponsor: Nokia, Finland
- Project Advisor and Principal Researcher, **Study on State of Competition in the Indian Steel and Petroleum Industry**, Indicus Analytics, Sponsor: Competition Commission of India
- Principal Researcher, **Private Sector Participation in the Indian Power Sector and Climate Change; gauging the efficiency improvements in generation, transmission and distribution and impact on GHGs**, NCAER, Sponsor: AFD Paris and Propraco
- Lead Researcher for the country report on India for a **Six country multi-component study on Telecom: Performance Indicators, Reform and Regulation**, LIRNEasia
- Principal Researcher, **Documenting Capabilities for Measuring ICT in India**, Sponsor: OECD, Paris
- Principal Researcher, **An Analytical Review of Incentive Regulation of Power Utilities: Review of five State Electricity Regulatory Commissions**, WSP-SA, World Bank, New Delhi.
- Project Leader, India, for a study on **PPPs in Infrastructures in India: Capacity, Regulatory and Financial Issues**, EU-India Economic Cross Cultural Programme, **Associated with IDEI, University of Toulouse, France and CEPR**
- Principal Researcher for a sub-project, Regulation in telecom markets, NCAER, for the EU-India Economic Cross Cultural Programme project titled: **Efficiency, Equity and Access in Indian Infrastructure: Blending Competition and Regulation. Associated with IDEI, University of Toulouse, France.**
- Principal Researcher, **Institutional Restructuring of Urban Water Supply and Sanitation Utilities**, (project covered all aspects related to urban water supply like privatization, decentralization, PPPs, regulation, universal service and tariff structures)WSP-SA, World Bank, New Delhi.
- Principal Researcher, **Diversifying Network Participation: India's Universal Service Obligation in telecom**, LIRNEasia, Sri Lanka
- Lead Researcher, **Stimulating investment in network development: Roles for telecom regulators**, WDR, LIRNE.Net, Denmark.
- Lead Researcher, **Lessons from India's Power Sector Reforms** for Urban Water and Sanitation

Sector Reforms, WSP- SA, World Bank, New Delhi

- Consultant to the **Expert Group on Power Sector Reforms in Punjab**, Govt. of Punjab
- Team Leader of the **Power Sector Report on Options for Introducing a More Competitive Market Structure in India's Power Sector**, NCAER
- Team member for the preparation of the draft of the **Electricity Bill 2001**, NCAER, Sponsor: Ministry of Power, GoI
- Project Leader for **Demand projections for fixed telephone services in 2010**, NCAER, Sponsor: Telecom Regulatory Authority of India
- Project Leader for **Affordability of Telecommunication Services**, NCAER, Sponsor: Telecom Regulatory Authority of India, World-Bank aided Telecommunications Sector Reforms Technical Assistance Project
- Project Leader for NCAER-SEBI **Research Program on Capital Markets**, NCAER, Sponsor: Securities and Exchange Board of India
- Team member of **Reform and restructuring of thirteen state level public enterprises**, NCAER, Sponsor: Comptroller and Auditor General of India

Other Projects

I have also worked on education and health related projects. These projects were studies conducted for the World Bank. The projects involved the **analysis of large databases (NSS and NFHS) on education and reproductive health** outcomes in addition to conducting exhaustive literature surveys. In addition to this my other areas of research interest are Higher education and climate change.

Selected List of Professional Publications

- **Building Infrastructure in India: Highways**, An issue paper, NCAER, New Delhi, December 2010
- **Building Infrastructure in India: Power**, An issue paper, NCAER, New Delhi, December 2010
- **Private Sector Participation in the Indian Power Sector and Climate Change**, Agence Française de Développement, France, Paris, Working Paper, No. 99, August 2010
- **Infrastructure Development in India, An assessment of Status and Strategies for the Telecom Sector**, A Report published by National Council of Applied Economic Research, February 2010
- **Documenting capabilities for measuring ICT in India**: A position paper, WPIIS, OECD, DSTI/ICCP/IIS(2007)2, May 2007
- **Telecom growth in poor regulatory environments**: A comparative analysis of Indonesia and India in Proceedings of the International Association for Media and Communication Research (IAMCR) conference, Paris, July 2007
- **LIRNEasia Six Country Study 2006-2007**: India Report, World Dialogue on Regulation Discussion Paper 0703. http://www.lirneasia.net/2007/04/6countrymulticomponentstudy_inphth/
- **Regulation of the Indian Power Sector**: Lessons from the Experience, in Oxford Companion to the Indian Economy, Kaushik Basu ed., Oxford University Press, 2007
- **India's Universal Service in Telecom in ICT Infrastructures in Emerging Asia**: Policy and Regulatory Roadblocks, Samarajiva, R. and A. Zainudeen, eds., New Delhi: Sage India, 2007
- **Indian Telecommunications**: Issues in Competition and Regulation(2006), Working Paper, NCAER, New Delhi

- **Role of Competition in the diffusion of Broadband Telecommunications**, Connexions, NCAER-EU, Newsletter, 2006
- **Design of Power Markets:** Different market structures and proposed options for India, Margin, July-September, 2004, NCAER.
- **Compliance Costs of Financial Regulation:** Indian Mutual Funds Industry, H.T. Parekh Finance Column, Economic and Political Weekly, July10, 2004.
- **Regulation and Investment:** Case Study of Indian Telecommunications Sector, in *Report on the World Dialogue on Regulation Stimulating Investment in Network Development: Roles for Regulators*, Case studies and research from WDR Research Cycle 2, Mahan, A. and Melody, W. (eds.)
- **Indian Telecommunications Policy and Regulation:** Impact on Investment and Market Structure, World Dialogue on Regulation, 2003, Infodev, Global Information and Technologies Department, World Bank.
- **THE ELECTRICITY BILL, 2003: Competition in India's Power Sector:** Virtual or Real? MacroTrack, NCAER, May 2003
- **The medium need not be the message!, Background paper for DFID sponsored International Conference on Options for Introducing a More Competitive Market Structure in India's Power Sector**, October 28-29, 2002
- **Measuring the Costs of SEBI Regulations: Compliance Cost for the Mutual Funds Industry in India.** NCAER, January 2002, Accepted for presentation at the Fifth Annual Money and Finance Conference.

Publications in the Press

- **Who can afford Such Whimsy?** Spectrum Allocation, The Financial Express, May 2010
- **Grading the regulators**, The Financial Express, January, 2010
- **A 60,000 crore scandal in spectrum allocation**, The Financial Express, October, 2009
- **Let Coal be Green**, The Financial Express, September, 2009
- **India's Mollycoddled Iron men, A commentary on the State of Competition in the Indian Steel industry**, The Financial Express, August, 2009
- **Government should not play monopoly**, The Financial Express, July 2009
- **Why doesn't Infosys innovate?** The Financial Express, June 2009
- **The economics of chota recharge**, The Financial Express, May 2009.
- **All Wired up, A commentary on competition in Indian electricity sector**, The Financial Express, April 2009
- **In Raja's Raj, A commentary on the five years of the UPA government**, The Financial Express, April 2009
- **Trai again? What ails VAS in India?** The Financial Express, January 2009
- **Read the Radio Signal Right**, The Indian Express, December 10, 2007
- **Rural telephony: TRAI has got it right, finally!** The Indian Express, October 31, 2005
- **Regulation of Infrastructure Sectors: Moving Beyond the Rhetoric**, The Financial Express, March 3, 2005
- **Dial R for Regulator**, The Indian Express, July 10, 2004

- **Beauty Contests' Must End: Spectrum Allocation in Telecommunications**, op-ed article, Financial Express, March 2, 2004
- **How natural are electricity distribution monopolies?; op-ed article**, Business Standard, March 31, 2003
- **Making Power Competitive**, op-ed article, Business Standard, October 15, 2002
- **Privatization in India by G. Ganesh**, Book Review, Business Standard, May 2001

Presentations/Conferences/Meetings

- **Building Infrastructure In India: Pre-execution Issues**, NCAER- Holcim Conference, New Delhi, December 1, 2010
- **Interconnection Regulation in India: Lessons for Mexico**, A seminar sponsored by CIDE Mexico in collaboration with Cofetel, Mexican Telecom Regulator, Mexico City, October 28, 2010
- **Measuring the Indian ICT Sector: An initiative of MoSPI, International Seminar on ICT Statistics**, UNSD, Seoul, Korea, July 19-July 22, 2010
- **Impact on Competition of Spectrum Allocation**, 18th ITS Biennial Conference, Tokyo, Japan
- **Reconciling Equity and Efficiency in the Allocation of Spectrum**, CPRAfrica, Cape Town April 19-21, 2010
- **ICT innovation systems comparative study of India, China and Taiwan**, project meeting DGINFSO, European Union, Brussels, January 2010
- **Spectrum allocation: Lessons from India**. Telecom Regulatory Environment, media event, Bangkok, Thailand
- **Public Enterprises, Government Policy and Competition: Market Study for Steel and Petroleum Refining**, National Conference on the State of Competition In India, Competition Commission of India, New Delhi
- **Curbing Regulatory Capture by Vested Interests through Institutional Reforms**, Session Panelist in a CUTS Jaipur International Conference on Political Economy Constraints on Competition and Regulation in Developing Countries, June 2009.
- **ICT Statistics and Policy in India**, at a Orbicom project workshop, May 2009, UQAM, Montreal, Canada.
- **Independent Regulation of Electricity Utilities in India: Constraints on Performance and the Achievements of the Delhi Regulatory Contract**, Paper presented at the Infrastructure Regulation Conference, Hong Kong University. February 2009.
- **Re-Examining Universal Service in telecoms: Lessons from three South- Asian Countries**, Paper presented at the 17th Biennial Conference of the International telecommunication Society, ITS, Montreal, Canada, June 27, 2008
- **Reconciling Competitive Markets in Telecommunications with Universal Service: Lessons from India**, Lecture delivered at Quello Center for Telecommunication Management & Law, Michigan State University, October 4, 2007
- **India's Universal Service Obligation for Rural Telecommunications: Issues of Design and Implementation**, 35th Research Conference on Communication, Information and Internet Policy, National Center for Technology & Law, George Mason University School of Law, Washington, USA

- **Industry structure ICT Indicators: A Study of six countries, Indicators workshop**, LIRNEasia, Singapore, March 3, 2007
- **Telecom Regulatory Environment of India**, paper presented at CPR South 1, Manila, January 19, 2007
- **Documenting capabilities for measuring ICT in India**, WPIIS meetings, OECD, London, May 21, 2007
- **USO in Infrastructures**, Lecture in a Plenary session at the 8th SAFIR core course, April 4, 2007
- **India's telecommunication Industry: Policy, Regulations and Indicators**, Paper presented at NCAER-EU, Conference on Sustaining Fast Growth: The Role of Economic Regulation, New Delhi, December 4, 2006.
- **India's Telecommunication Industry, Indicators of Performance**, Paper presented at a six country Researcher's meeting, Habarana, Sri Lanka, September 12, 2006.
- **Policy Implications of the Digital Opportunity Index (DOI) Analysis for India: Capabilities of Measurement and Importance of Extending DOI to a Regional Level**, Paper presented at the Digital Opportunity Forum, hosted by ITU and Ministry of Communication and Information, Republic of Korea, Seoul, September 1, 2006.
- **ICT sector in India: Way Forward**, Panelist for an IAS Training programme on deregulation in Infrastructure Sector, organized by TERI, August 11, 2006.
- **Study of the subsidy mechanism in Indian Telecom: Universal Service Obligation**, Paper presented at the 16th Biennial Conference of the International telecommunication Society, ITS, Beijing, China, June 14, 2006.
- **Telecom Regulatory Environment: Issues and Methodology**, Lead discussant, at the ICT indicators workshop of TRAI and LIRNEasia, March 4, 2006
- **Current Issues in Competition and Regulation: Indian Telecommunications Sector**, EU-India cross-cultural programme, NCAER, Oct 11, 2005
- **Diversifying Network Participation: India's Universal Service Instruments in Telecom**, LIRNEasia, Network Meetings, Jakarta, Indonesia, Oct 1-4, 2005
- **Diversifying Network Participation: India's Universal Service Instruments in Telecom**, World Dialogue on Regulation, Expert Forum, Singapore, September 30, 2005
- **India's USO in telecommunications**: Colloquium at LIRNEasia, Sri Lanka, May 20, 2005
- **Lessons form India's Power Sector Reforms**, Lecture delivered to Indian Economic Service trainees at the Institute of Economic Growth, Delhi, December 16, 2004
- **Regulation of the Indian Power Sector**, Lead discussant at a Voice and Client Power workshop, WSP-SA, World Bank, New Delhi, December, 2004.
- **Regulation and Investment: Case Study of Indian Telecommunications Sector**, World Dialogue on Regulation (LIRNEasia), Expert forum, Colombo, September 17-20, 2004
- **Indian Telecommunications Policy and Regulation: Impact on Investment and Market Structure**, WDR, LIRNE.Net, Expert forum, Cairo, May 4-5, 2004
- **Competitive Electricity Markets: what needs to be done?** Paper presented to the Expert Group on Power Sector Reforms in Punjab, January 2003
- **Power Sector Reforms in India: Issues in Market Structure and Regulation**, Lecture delivered to Indian Economic Service trainees at the Institute of Economic Growth, Delhi, November 27, 2002

- **Affordability of Telecommunication Services**, Draft Final Report presented to Telecom Regulatory Authority of India, TRAI, July 10, 2002.
- **State of Indian Power : Political Economy of the Power Sector in India**, Paper presented in a Seminar at the Section Economics of Infrastructures, Faculteit Techniek, Bestuur en Management (TBM) at Delft University of Technology (TU Delft), the Netherlands, May 15, 2002
- **Financial Sector Reforms in India**, Paper presented in **ADB-NCAER Conference**, August 1998

Capacity Building Programmes /Workshops/Conferences Organized

- **Content Manager for a workshop on ICT Statistics for a Knowledge Economy**, November 19-20, 2007, in collaboration with OECD and DIT
- **Module coordinator 8th Core Course on Infrastructure Regulation**, SAFIR, April, 2007
- **Sustaining Fast Growth: The Role of Economic Regulation**, December 4-5, 2006, NCAER, Lead Content design, collaborating partners, IDEI, Toulouse, CEPR, London and ECARES, Brussels.
- **A Workshop on Public Private Partnership and Regulation in Infrastructure Services**, April 10-11, 2006, Lead Content design
- **ICT Indicators Workshop, LIRNEasia and TRAI, sponsored by IDRC**, March 1-6, 2006 New Delhi, India.
- **Challenges to competition in Telecommunications**, NCAER, August 2003, Lead Content Design
- **Introducing Competition in the Power Sector**, October 2002, NCAER, Lead content design

Workshops/Training/ Capacity Building Programmes Attended

- **Conference on Public Services and Management: Designs, Issues and Implications for Local Governance**, January 11-January 14, 2006 *IDEI*, University of Toulouse, France
- **Telecom Reform Course on Catalyzing Change: Strategies to achieve connectivity and convergence**, 7th LIRNE.NET course on Telecom Reform in Singapore, September 25-30, 2005.
- **Refresher Course on Contemporary India** conducted by Centre for Professional Development in Higher Education, University of Delhi, March 2005
- **SAFIR (South Asian Forum for Infrastructure Regulation)-Fifth Core Training Course on Infrastructure Reform and Regulation**, August 3-11, 2003, Marawila, Sri Lanka
- Attended a course in **Economic Regulation of Infrastructures at the Section Economics of Infrastructures, Faculteit Techniek, Bestuur en Management (TBM)** at Delft University of Technology (TU Delft), the Netherlands, March-June 2002
- **Refresher course in Applied Microeconomic Theory** conducted by the Department of Economics Delhi School of Economics, Delhi University, April 2001
