

**XIV Annual Conference of Forum for Global Knowledge Sharing
(Knowledge Forum) Supported by TATA TRUSTS**

Conference Theme: Technology and Economy

**Department of Humanities and Social Sciences, IIT Madras, Chennai
Venue: IC&SR Building, IIT Madras, Chennai
October 11-13, 2019**

Programme

October 11, 2019, Friday	
8:30-9:00	Registration
IC&SR, Hall – III	
9:00-10:00	Introductory Session
	Chair: N. S. Siddharthan President, Knowledge Forum and Hon. Professor, Madras School of Economics
	Welcome: Umakant Dash Head, Department of Humanities and Social Sciences, IIT Madras
	Opening Remarks: Bhaskar Ramamurthy Director, IIT Madras , Chennai
	Tour of the Sessions: K. Narayanan Hon. Secretary, Knowledge Forum and Professor, IIT Bombay, Mumbai
	Remarks by Chair: N.S. Siddharthan, President, Knowledge Forum and Hon. Professor Madras School of Economics
	Vote of Thanks: Bino Paul Treasurer, Knowledge Forum and Professor, TISS, Mumbai
10:00-10:30	
Tea/Coffee	
IC&SR, Hall – III	
10:30-12:00	FDI - I
	Chair/Discussant: Stanley Nollen, GeorgeTown University, Washington DC
	1. Filip De Beule, (KU Leuven University, Belgium), Joren Nevens filip.debeule@kuleuven.be , <i>“Impact of internationalization on innovation: A patent analysis”</i>
	2. Uday Bhanu Sinha, (Delhi School of Economics, Delhi), uday@econ.dse.org <i>“FDI and International Collusion”</i>

	3. Alex Eapen, Jihye Yeo (Australian National University, Australia), and Rejie George (IIM, Bangalore) alex.eapen@anu.edu.au , <i>“BUSINESS GROUP AFFILIATION AND FDI SPILLOVERS”</i>
12:00-13:30	Environment Chair/Discussant: K. Lal, Society for Development Studies, Delhi and UNU-MERIT
	1. Bino Paul, Unmesh Patnaik and Kamal Murari, (Tata Institute of Social Sciences, Mumbai), binopaul@gmail.com , <i>“How do micro/small enterprises organise waste in India: a scenario of common purpose or a tragedy?”</i>
	2. Geetha Mohan, Ranjeeta Mishra, Kensuke Fukushi, Rimba A. Besse, Ram Avtar, Lakshmi Narayana Perarapu, Saroj Kumar Chapagain, and I Made Sudarma (University of Tokyo and UNU Tokyo), Geetha.Mohan@unu.edu <i>“Factors affecting and farmers’ perception of the adoption of water-saving irrigation technologies in semi-arid states in India”</i>
	3. Aravindhan N. and Jayaraman T., (Tata Institute of Social Sciences, Mumbai), aravindhan.nagarajan@gmail.com , <i>“Plastic Recycling Clusters in India: Material Flows and Technological Capacities of Recycling Firm”</i>
13:30 – 14:30	Lunch
IC&SR Hall - II	
14:30 – 16:30	Innovation and energy studies Chair/Discussant: Malathy Duraisamy, IIT Madras, Chennai
	1. Narayanan K. (IIT Bombay), Bino Paul and Unmesh Patnaik (Tata Institute of Social Sciences, Mumbai), binopaul@gmail.com , <i>“The triad of Labour, Innovation and Enterprises: emergent scenarios in South Asia”</i>
	2. Ketan Reddy, Radeef Chundakkadan, and Subash Sasidharan (IIT Madras), radeef2013@gmail.com , <i>“Innovation and Global Value Chain Participation: A Firm-Level Investigation”</i>
	3. Madhabendra Sinha (NIT Durgapur), Anjan Ray Chaudhury (Durgapur Government College) and Partha Pratim Sengupta (NIT Durgapur), madhabendras@gmail.com , <i>“FDI, Trade and CO2 Emission in the Era of Digitalisation: An Empirical Study on Asia and Pacific Developing Countries”</i>
	4. Avinash Prasad Kshitij and Kasturi Mandal (NISTAD), avinash.kshitij@nistads.res.in , <i>“Innovation Capabilities in Renewable Energy in India: The case of Marine Energy”</i>

16:30-17:00	Tea/Coffee
IC&SR Hall - II	
17:00-18:30	FDI – II Chair/Discussant: B L Pandit, formerly Delhi School of Economics, Delhi
	1. Nadia Doytch (City University of New York- Brooklyn College), ndoytch@gmail.com , <i>“Upgrading Destruction? How Do Climate-related and Geophysical Natural Disasters Impact Sectoral FDI”</i>
	2. Savita Bhat (NIT Surathkal), savitapbhat@gmail.com , <i>“Determinants of OFDI of Manufacturing Firms from India to the Developed Countries within OECD”</i>
	3. Khanindra Ch. Das (BIMTECH, Greater Noida), kchdas@gmail.com , <i>“International Subsidiary Closure in The Software Services Sector: The Experience of Indian Software Services Multinationals”</i>
18:30 – 19:30	Governing Council Meeting
19:30 onwards	Dinner
October 12, 2019, Saturday	
IC&SR Hall - II	
9:30-11:00	Econophysics Session Organised by Ashok Jain, Former Director NISTAD and M. K. Das, Delhi University Chair/Discussant: Y S Rajan, ISRO
	1. Ashok Jain (Former Director NISTAD) ashokxnistads@gmail.com and M. K. Das (Delhi University) dasmkd11@gmail.com , <i>“Modeling Complex Behavior of Financial system: Effect of Time-delayed Feedback”</i>
	2. Anindita Bhattacharjee (Amity College of Commerce and Finance), abhattacharjee@amity.edu , <i>“Statistical Investigation of Financial time series: Indicators for long term correlation”</i>
	3. L. M. Saha (Shiv Nadar University), lmsaha.msf@gmail.com , <i>“Application of Asymptotic Stability Analysis to Price Dynamics”</i>
11:00-11:30	Tea/Coffee

IC&SR Hall - II	
11:30 – 13:30	Industry Chair/Discussant: Alakh N Sharma, Institute for Human Development, New Delhi
	1. Asmita Goswami and K. Narayanan (IIT Bombay), knn.iitb@gmail.com , <i>“Firm Ownership, Technological Efforts and Productivity: A study of Information Technology Firms in India”</i>
	2. Prantik Bagchi and Santosh Kumar Sahu (IIT Madras), santosh@iitm.ac.in , <i>“Firm-level Externality and Production Effects in Indian Manufacturing Sector”</i>
	3. Mohammad Shahid Zaman and Anup Kumar Bhandari (IIT Madras), shahidzaman13@gmail.com , <i>“Technological Progress and TFP Growth: An Empirical Analysis of the Indian Commercial Banks”</i>
	4. R. Rijesh (The Institute for Studies in Industrial Development), rijeshraju@gmail.com , <i>“Trade Reforms, Technology Import and Productivity in Indian Manufacturing Firms”</i>
13:30-14:30	Lunch
IC&SR Hall - II	
14:30-16:30	R&D and Innovation Chair/Discussant: Ashok Jain, Former Director NISTAD
	1. Anurag Anand, (Center for Development Studies), anand.anurag34@gmail.com , <i>“Technology and Export Performance of Indian Pharmaceutical Industry: Comparative Study of Foreign MNCs and Domestic Companies”</i>
	2. Beena P L and Siddik Rabiyyath (Center for Development Studies), beena@cds.edu , <i>“IPR institutions, Innovation activities and Developmental Implications of IP Asset Intensive Industries”</i>
	3. Nidhi Singh, (Department of Health Research, Ministry of Health & Family Welfare), nidhisinghb8@gmail.com , <i>“Economic Liberalisation and the Development of Molecular Diagnostics Industry in India: An Innovation System Perspective”</i>
	4. P. Geetha Rani, Megha Shree and Rajesh Shukla, geethselva@gmail.com , <i>“Return to skills in India; the role of digital access and usage”</i>
16:30 – 17:00	Tea/Coffee
17:00 – 18:30	General Body Meeting
19:00 onwards	Conference Dinner

October 13, 2019, Sunday	
IC&SR Hall - II	
9:00-10:00	Panel A: Legal and Ethical Issues with Artificial Intelligence
	<p>Moderator: Professor V. Kamakoti, IIT Madras, veezhi@gmail.com</p> <p>Panellists</p> <ul style="list-style-type: none"> • B. Ravindran, IIT Madras; ravindran.b@gmail.com • G. S. Madhusudan, CTO INCORE, mail@madhu.link • Bimal N. Patel, VC GNLU, vc@gnlu.ac.in, bimalpatel.nsab@nic.in
10:00-10:30	Tea/Coffee
10:30-11:30	Panel B: Economic Problems Solvable using Artificial Intelligence
	<p>Moderator: S. Mahalingam, Former CFO, TCS, mahalingam.seturaman@gmail.com</p> <p>Panellists</p> <ul style="list-style-type: none"> • K. Ananth Krishnan, TCS; ananth.krishnan@tcs.com • Abhilash Mishra, NSE Academy; abhilashm@nse.co.in • T. K. Ramkumar, Advocate, Patents, Trademarks & IPR Attorneys; tkramkumar@gmail.com
11:30-12:30	Concluding Session
12:30 onwards	Lunch