

December 2022

Curriculum Vitae

Shurojit Chatterji

Current Position

Professor, School of Economics,
Singapore Management University,
90 Stamford Road, Singapore 178903.
shurojitc@smu.edu.sg
+65 68280314 (O); +65 90691209

Past Employment

Full Time Positions

Associate Professor, School of Economics, Singapore Management University 2008-11; Professor, Department of Economics, Warwick University 2007-08; Associate Professor, CIE, ITAM 2004-08; Assistant Professor, CIE, ITAM 2001-03; Lecturer, Planning Unit, Indian Statistical Institute 1996-2000.

Temporary Positions

Visiting Professor, Kyoto University, October-December 2014; Visiting Professor, CEE, El Colegio de Mexico 2000-01; Visiting Professor, Department of Economics, Universidad de Alicante 1994-96; Visiting Scientist, Planning Unit, Indian Statistical Institute 1993-94.

Degrees

Ph.D. Economics, SUNY Stony Brook, 1993.
B.A. (with Honours in Economics), Delhi University 1988.

Research

Articles: Microeconomic theory, Mechanism Design, Dynamics

“Decentralizability of efficient allocations with heterogeneous forecasts”,
(with Atsushi Kajii), *Journal of Economic Theory* 207, 2023

“A taxonomy of unidimensional non-dictatorial domains”, (with Huaxia Zeng),
arXiv:2201.00496v1, *Games and Economic Behavior*, Volume 137, 2023.

“Mechanism design by observant and informed planners”, (with Arunava Sen),
November 2021, *Review of Economic Design*, Volume 26, issue 4, December 2022,
a special issue in honor of Semih Koray.

“Efficiency, quality of forecasts and Radner equilibria”, (with Atsushi Kajii),
Pure and Applied Functional Analysis, 2022 Volume 7, Number 6, a special issue
on Mathematical Economics dedicated to Professor Roy Radner.

“Probabilistic fixed ballot rules and hybrid domains”, (with Souvik Roy, Soumyarup Sadhukhan, Arunava Sen and Huaxia Zeng), *arXiv:2105.10677*, *Journal of Mathematical Economics*, 100, May 2022.

“Random assignment of bundles”, with (Liu Peng), *Journal of Mathematical Economics*, Vol. 87, March 2020.

“Random mechanism design on multidimensional domains”, (with Huaxia Zeng), *Journal of Economic Theory*, Vol. 182, July 2019.

“On random social choice functions with the tops-only property” (with Huaxia Zeng), *Games and Economic Behavior*, Vol. 109, May 2018.

“On strategy-proofness and the salience of single-peakedness” (with Jordi Masso), *International Economic Review*, Vol. 59, No. 1, February 2018.

“A characterization of single-peaked preferences via random social choice functions”, (with Arunava Sen and Huaxia Zeng), *Theoretical Economics*, 11, Issue 2, May 2016.

“On divergent dynamics with ordinary least squares learning”, (with Ignacio Lobato), *Journal of Economic Behavior and Organization*, Volume 109, January 2015.

“Random dictatorship domains”, (with Arunava Sen and Huaxia Zeng), *Games and Economic Behavior*, Volume 86, July 2014.

“On domains that admit well-behaved strategy-proof social choice functions”, (with Remzi Sanver and Arunava Sen), *Journal of Economic Theory*, Volume 148, Issue 3, May 2013.

“The structure of strategy-proof random social choice functions over product domains and separable preferences”, (with Souvik Roy and Arunava Sen), *Journal of Mathematical Economics*, 48, 6, 2012.

“Tops-only domains” (with Arunava Sen), *Economic Theory*, 46, 2, 2011.

“Transformations of the state variable and learning dynamics”, (with Ignacio Lobato), *International Journal of Economic Theory*, 6, Issue 4, 2010.

“Weak monotonicity characterizes deterministic dominant strategy implementation”, (with Sushil Bikhchandani, Ron Lavi, Ahuva Mu’alem, Noam Nisan and Arunava Sen), *Econometrica* 74, No. 4, 2006.

“Functional sunspot equilibria”, (with Subir Chattopadhyay), *Journal of Mathematical Economics*, 42, 2006.

“Message spaces for correlated equilibrium”, (with Srihari Govindan), *Economic Theory* 28, Issue 2, 2006.

“Local coordination and market equilibria”, (with Sayantan Ghosal), *Journal of Economic Theory*, 114, 2004.

“Subjective temporary equilibrium”, *Journal of Economic Dynamics and Control*, 28, 2004.

“Dictatorial domains”, (with Navin Aswal and Arunava Sen), *Economic Theory*, 22, 2003.

“The convergence of least squares learning in stochastic temporary equilibrium models”, *Economic Theory*, 20, 2002.

“Global stability in spite of local instability with learning”, (with Subir Chattopadhyay), *Journal of Mathematical Economics* 33, 2000.

“Temporary equilibrium dynamics with Bayesian learning”, *Journal of Economic Theory*, 67, 1995.

Articles: Economics of Climate Change

“Unilateral emissions mitigation, spillovers, and global learning”, (with Sayantan Ghosal, Sean Walsh and John Whalley), *Climate Change Economics*, Volume No.05, Issue No. 3, August 2014

“Unilateral measures and emissions mitigation”, (with Sean Walsh, Sayantan Ghosal and J. Whalley), in Alex Bowen and John Whalley (eds): *The Global Development Post-Durban of Policy Regimes to Combat Climate Change, The Tricontinental Series on Global Economic Issues-Vol.4*, World Scientific 2014.

“Technology, unilateral commitments and cumulative emissions reduction”, (with Sayantan Ghosal), *CESifo Economic Studies* 55, 2, 2009 (refereed symposium issue).

Working Papers

“Compellingness in Nash Implementation”, (with Takashi Kunimoto and Paulo Ramos), *SMU (Research Collection SOE) Working Paper* 07-2022.

“On the decomposability of fractional allocations”, (with Peng Liu), *SMU (Research Collection SOE) Working Paper* 04-2021.

“On Strategy-proofness and the salience of single-peakedness in a private goods economy”, (with Jordi Masso and Shigehiro Serizawa), *University of Osaka ISER Discussion paper 1112*, December 2020.

Unpublished manuscripts

“Intertemporal efficiency does not imply a common price forecast”, (with Atsushi Kajii and Huaxia Zeng), *KIER discussion paper 999*, 2018.

“Intertemporal efficiency does not imply a common price forecast: a leading example”, (with Atsushi Kajii and Huaxia Zeng), *KIER discussion paper 992*, 2018.

“Contracting over prices”, (with Sayantan Ghosal), *SIRE Discussion Papers 2013-88*, Scottish Institute for Research in Economics (SIRE).

“Moral hazard, efficiency trade-offs and bank crisis”, (with Sayantan Ghosal), *Warwick University working paper*, 2009.

“Incentive compatibility in multi-unit auctions”, (with Sushil Bikhchandani and Arunava Sen), 2004.

“Learning, global dynamics and normalization rules”, (with Subir Chattopadhyay), 2002.

“Temporary equilibrium dynamics with learning: the stability of random walk beliefs”, IVIE discussion paper 1996.

Research Grants

Recipient as Co-investigator (with Takashi Kunimoto as Principal Investigator) of MOE T2EP402A20-0028 (Title: Robust Design of Institutions: An Implementation Theory Approach)

Recipient of MOE2016-T2-1-168 (Title: Well-Behaved Strategy-proof Social Choice in Economic Domains)

Recipient of SMU Research Grant 11-C244-SMU-03; Recipient of SMU Research Grant 10-C244-SMU-010; Recipient of SMU Research Grant C244/MSS8E003; Recipient of SMU Research Grant 13-C244-SMU-003

Doctoral supervision

Supervisor for Huaxia Zeng: “Three essays on Random Mechanism Design”, June 2016

Supervisor for Liu Peng: “On Random Assignment Problems”, June 2017

Member of Committee for Cuiling Zhang, “Essays on A Mechanism Design Approach to the Problem of Bilateral Trade and Public Good Provision”, June 2020

Supervisor for Paulo Ramos: “Essays on Social Choice and Implementation Theory”, July 2022

University Courses Taught

Graduate

Microeconomics for Ph.D in Economics; Microeconomics for Masters in Financial Economics; Dynamic Macroeconomics; Introduction to Mechanism Design; Topics in Mechanism Design; Topics in Decision Theory Managerial Economics for MBA and SMU Executive MBA

Undergraduate

Intermediate Macroeconomics; Intermediate Microeconomics; Game Theory; Intermediate Mathematics for Economics

Conferences (post 2004)

Workshop on Mechanism Design, Malaga University 2022; Saarland Workshop in Economic Theory, 2022; SAET 2022; SAET 2021; 30th Stony Brook International Conference on Game Theory; IIMS Workshop NUS 2018; NASMES 2018; Social Choice and Welfare Meeting 2018; 2017 Asian Meeting of the Econometric Society, Hong Kong, June 2017; Conference on Economic Design, York, June 2017; Sing 12, University of Southern Denmark, Odense, 2016; 7th Shanghai Microeconomics Workshop, SUFE Shanghai, June 2016; IDGP 2015 Workshop “Institutions, Decisions and Government Practices: Theory, Simulations and Applications”, UAB Barcelona, June 2015; 35th Bosphorous Workshop on Economic Design, Turkey; Workshop on Distributive Justice, Institution and Behaviour, SNU Seoul 2013; SAET Paris 2013; ESAM Melbourne 2012; AMES 2011, Seoul; Social Choice and Welfare Society Meetings, Moscow 2010; SAET Meetings Singapore, 2010; FE-SAMES2009 University of Tokyo; GETA2009 Waseda University; 31st Bosphorous Workshop on Economic Design, Turkey, 2009; 4th Asian Decentralization Conference, Korea University 2009; Mechansim Design-Arne Ryde Foundation, University of Lund 2008; CRETA-University of Warwick 2007; Econometric Society World Congress 2005; SAET Meetings Vigo 2005; Spring Midwest Conference on Economic Theory 2005

Seminars

Korea University, April 2021; Online Social Choice Seminar, February 2021; Warwick University, October 2019; Cincinnati University, May 2019; Southern Methodist University, May 2019; Stony Brook University, February 2019; Rochester University May 2018; LAMSADE Dauphine University November 2018; KIT Karlsruhe December 2018; European University Institute, October 2017; Cambridge University, May 2017; De La Salle University, January 2017; KIER, Kyoto University, June 2016; Glasgow University, June 2015; NYU Abu Dhabi, April 2015; Osaka University, November 2014; Hitotsubashi University, November 2014; KIER Kyoto University October 2014; Academia Sinica, Taipei, November 2012; Seoul National University October 2012; University of Hong Kong, October 2010; Indian Statistical Institute, October 2010; Istanbul Bilgi University, 2009; CRETA-University of Warwick 2007; Ohio State University May 2003; Bilkent University, March 2001; Warwick University, July 1999; CORE, University Catholique de Louvain, June 1999; Columbia University, May 1998; Institute of Advanced Studies, Vienna, May 1997; Bielefeld University, May 1997; Instituto de Analisis Economico, UAB, March 1996; CORE, University Catholique de Louvain, February 1995

Professional Activities

Member of Program Committee, Social Choice and Welfare Meetings 2006; Member of Program Committee, FEMES 2008; Session Organizer, AMES 2013; Member

Programme Committee for 2018 International Conference on Economic Theory and Applications (Chengdu), 18-20 July 2018; Member of Program Committee, conference on mechanism and institution design (CMID20); Member of Program Committee, Social Choice and Welfare Meetings 2020; Session Organizer SAET 2021, Session Organizer SAET 2022, Member Program Committee 2022 Conference on Mechanism and Institution Design

Referee for *American Economic Review*, *International Economic Review*, *Theoretical Economics*, *Economic Theory*, *Games and Economic Behavior*, *Journal of Economic Theory*, *Social Choice and Welfare*, *Journal of Economic Dynamics and Control*, *Mathematical Social Sciences*, *Review of Economic Design*, *Journal of Mathematical Economics*, *Mathematics of Operations Research*

Associate Editor, Singapore Economic Review 2010-2011.

Organizer of SMU Workshop on Mechanism Design, 14-15 December 2016

Co-editor, Special Issue "Strategy-Proof Mechanism Design", 2022 *Games*

University Service

Chair, SMU Faculty Senate, 2011-13.

Member Faculty Grievance Commission, 2021-

Awards

Lee Kong Chian Fellow, 2016-2020, Singapore Management University.

School of Economics (SMU) award for Research Excellence 2013