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EDUCATION **Virginia Polytechnic Institute and State University**, Virginia, USA
Ph.D., Economics 2021 (expected)

Indira Gandhi Institute of Development Research, Mumbai, India,
M.Phil., Development Economics, 2016
M.Sc., Economics, 2015

Indraprastha College For Women, University of Delhi, Delhi, India
B.A.(Hons), Economics, 2013

FIELDS OF INTEREST Behavioral Economics, Applied Theory, Experimental Economics

DISSERTATION Role of Social Preferences and Coalitions in a Public Goods Game

DISSERTATION COMMITTEE Sudipta Sarangi (*Co-Chair*), Sheryl Ball(*Co-Chair*), Eric Bahel, Xu Lin

GRANTS **National Science Foundation Grant:** *Doctoral Dissertation Research in Economics: To Join or Not to Join: Coalition Formation in a Public Goods Game*”, awarded amount \$ 9597 (received March 2020)

WORKING PAPERS To join or not to join: Coalition Formation in Public Good Games [[Job Market Paper](#)]

Abstract: In this paper I study the long standing trade-off between coalition sizes and return from public good. After incorporation of social preferences, I show that this trade off need not exist, which is in line with experimental evidence. My model setup is a two stage public good game where heterogeneous agents have the option to join the coalition. In the first stage, agents choose whether to join a coalition and in the second stage, coalition votes on whether its members will contribute. I find that individuals with stronger social preferences are more likely to join the coalition and vote for the coalition to contribute to the public good. I further show that higher return from public good leads to more people joining the coalition and contributing to the public good. These results hold whether the coalitions decision is determined by a majority voting or a unanimous voting rule.

Coalition Formation in Public Goods Games: Experimental Evidence (with Sudipta Sarangi and Sheryll Ball) [\[click here\]](#)

Abstract: Inclusion of social preferences in coalitions can help explain the existence of large sized coalitions. In this experiment, subject's payoffs are determined by exogenously inducing social preferences, Rawlsian preferences in particular into an individual's utility function. We find that subjects with pro-social preferences have a higher probability of joining the coalition and contributing to the public good. Joining the coalition translates to contributing to the public good. In addition, higher MPCR (Marginal per capita return from the public good) not only leads to an increase in coalition size, but also enhances the chance of more subjects joining the coalition and contributing to the public good. Further, we find that joining and contributing to the public good depend positively on previous periods' payoff of the least well-off person, thus confirming the presence of Rawlsian preferences.

WORK
IN PROGRESS

Coalition formation in Public Goods Game: An experimental test with endogenous preferences (with Sudipta Sarangi and Sheryl Ball): Data collection in progress

Betrayal Aversion: Correlation in Psychology and Economics experiments (with Sheryl Ball and Jason Aimone)

Impact of Impact of Water Conservation on Crop Burning Choice: Evidence from India (with Nilesh Shinde)

PUBLICATIONS

Social Preferences and Public Goods provision (with Sudipta Sarangi, forthcoming, Game Theory and Networks - New Perspectives and Directions, Springer Nature, 2021) [\[click here\]](#)

Abstract: This paper surveys the literature on social preferences and their incorporation in a public goods game. The Nash equilibrium in a typical public goods game is to free ride; however experimental evidence shows that players frequently cooperate. When an individual's utility function accounts for social preferences, one can explain cooperative behavior and contribution to public goods. This chapter surveys a number of different models of social preferences and their impact on public goods provision, both theoretically and empirically. Finally, we examine how provisioning of the public goods is affected by social preferences when agents play this game in networks and coalitions.

TEACHING
EXPERIENCE

Instructor, Microeconomic Theory (Undergraduate), Virginia Tech, Spring 2021, Summer 2020, Spring 2020, Summer 2019

Teaching Assistant, Introduction to Game Theory and Strategic Reasoning , Ashoka University, Delhi, India, Summer 2020

Teaching Assistant, Experimental Economics (Graduate), Virginia Tech, Spring 2019, Spring 2018

Teaching Assistant, NeuroEconomics, Virginia Tech, Fall 2018,

Teaching Assistant, Money and Banking, Virginia Tech, Spring 2017

Teaching Assistant, Principle of Economics (Micro and Macro), Virginia Tech, Fall 2016

RESEARCH
EXPERIENCE

Research Fellow, Kellogg Center for Philosophy, Politics and Economics, Virginia Tech, Summer 2020-present

Associate Collaborator, SAIG, Statistics Department, Virginia Tech, Fall 2020-present

Research Assistant, Management Department, Virginia Tech, Fall 2020-present

Research Assistant, Biocomplexity Institute, Virginia Tech, April-October 2018

Research Assistant, Indira Gandhi Institute of Development Research, Mumbai, India, July 2015-July 2016

Intern, Reserve Bank of India, Mumbai, India, June-July 2014

FELLOWSHIPS
AND AWARDS

Research Fellowship, Kellogg Center for Philosophy, Politics and Economics, Virginia Tech, Summer 2020

Graduate Instructor of the Year (Economics Department, Virginia Tech), Spring 2020

Recipient of “Rising Scholar Award”, Economics Department, Virginia Tech, Summer 2018

Best Third Year Paper Award, Economics Department, Virginia Tech, Summer 2019

Graduate Research Development Program (GRDP) research support awards, Fall 2019

Graduate Travel Fund (Graduate School, Virginia Tech), Spring 2020, Spring 2019

Graduate Assistant Tuition Fellowship, Virginia Tech, 2016-Present

PRESENTATIONS

Behavioral Research in Economics Workshop, India, December 2020

ESA seminar for Job market Candidates, December 2020

Southern Economic Association 90th Meeting, November 2020

Winter School 2019, Delhi School of Economics, India, December 2019

Southern Economic Association 89th Annual Meetings, November 2019

30th Stony Brook International Conference on Game Theory, July 2019

Spring 2019 Midwest Economic Theory and International Trade Meetings, May 2019

35th Graduate Student Association Research Symposium, Virginia Tech, March 2019

14th Annual Conference on Economic Growth and Development, India, December 2018

Virginia Association For Economist, April 2018

DISCUSSANT ACTIVITIES	Southern Economic Association 89th Annual Meetings, November 2019	
COMPUTER SKILLS	Stata, R, MATLAB, ZTree, Microsoft Office, L ^A T _E X	
REFEREING SERVICES	Journal of Economic Behavior and Organization, Journal of Public Economic Theory, Virginia Journal of Social Sciences	
ADDITIONAL TRAINING	IFREE's 24th Annual Workshop in Experimental Economics (Chapman University)	
AFFILIATIONS	American Economic Association, Southern Economic Association	
LANGUAGES	English (Proficient), Hindi (Native)	
CITIZENSHIP/ VISA	India/F1 Visa	
REFERENCES	<p>Sudipta Sarangi Professor and Department Head Department of Economics Virginia Tech E-mail: ssarangi@vt.edu</p> <p>Eric Bahel Associate Professor Department of Economics Virginia Tech E-mail: erbahel@vt.edu</p>	<p>Sheryl Ball Professor Department of Economics Virginia Tech E-mail: sball@vt.edu</p>