



O.P. Jindal Global University
A Private University Promoting Public Service



**Jindal School of Government
and Public Policy**
India's First Public Policy School

**CENTRE FOR COMPLEXITY ECONOMICS APPLIED SPIRITUALITY AND PUBLIC POLICY (CEASP)
JINDAL SCHOOL OF GOVERNMENT AND PUBLIC POLICY (JSGP)**

invite you to a

VIRTUAL  
PANEL DISCUSSION

QUANTUM SOCIAL SCIENCE AND PUBLIC POLICY

The panel will explore the following inter alia:

- What can we learn from quantum social sciences for application in areas of public policy such as international relations, social justice, economic inequality environmental degradation etc.
- Can quantum-like modeling in social sciences provide new insights for current public policy issues?
- What would it take to produce research publishable in mainstream social science and public policy journals?
- The most relevant work in which quantum social science has attempted to address public policy.

WELCOME ADDRESS



PROF. R. SUDARSHAN
Founding Dean
Jindal School of Government and Public Policy

**INTRODUCTION TO THE CENTER
AND MODERATOR OF THE PANEL**



PROF. NARESH SINGH
Honorary Director,
CEASP, JGU

VOTE OF THANKS



DR. DEBAJIT JHA
Deputy Executive Director
CEASP, JGU

PANELISTS



DR. EMMANUEL HAVEN
Professor and Dr. Alex Faseruk Chair in
Financial Management,
Memorial University Canada



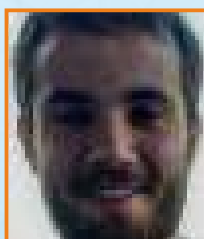
PROF. DR. ANDREI KHRENNIKOV
Professor of Mathematics,
University of Linnaeus, Sweden



MR. MICHAEL P. A. MURPHY
Doctoral Fellow
Ottawa University, Canada



DR. SUDIP PATRA
Assistant Professor and
Founding Member, CEASP



DR. THOMAS HANCOCK
Research Fellow,
Leeds University, UK



PROF. (DR.) ANIRBAN CHAKRABORTI
Professor, Jawaharlal Nehru University
Founding Member, CEASP

MODERATOR

WED | 21st OCT 2020



07:30 PM – 09:30 PM IST
10:00 AM – 11:30 PM EST

Join us on
zoom

<https://zoom.us/j/92143812355>
Password: jsgp@2110

BIO OF PANELISTS

DR. EMMANUEL HAVEN

Professor and Dr. Alex Faseruk Chair in Financial Management, Memorial University Canada

Professor Haven earned a bachelor of arts and master of arts in economics from McGill University and a PhD in finance from Concordia University. He's the former head of the finance division at the School of Business, University of Leicester (United Kingdom). His research applies concepts from physics to social science. He has published in social science journals such as Journal of Mathematical Economics, Economic Theory, Journal of Mathematical Psychology, European Journal of Operational Research, Journal of Economic Dynamics and Control, International Review of Financial Analysis, Theory and Decision and Frontiers in Psychology. Emmanuel is also the Director of the Interdisciplinary PhD program at Memorial University.

PROF. DR ANDREI KHRENNIKOV

Professor of Mathematics, University of Linnaeus, Sweden

Andrei Khrennikov is Professor of Mathematics at the Department of Mathematics at Linnaeus University. Andrei is also director of the research group International Center for Mathematical Modeling (ICMM) and organizer of some 20 conferences in the field of quantum theory at Linnaeus University. Andrei's research activities are split in the basic disciplines: Mathematics, physics, and biology, cognition, psychology and behavioral economics. Quantum-like models: molecular biology, cognition, psychology, behavioral economics, social science Econophysics: modeling of price dynamics on the basis of expectations of traders of the financial market. He is the author of about 400 papers and 20 monographs. Andrei Khrennikov is the organizer of the world-wide known series of annual conferences (since year 2000) in Växjö on foundations of quantum physics, information, and probability.

MR. MICHAEL P. A. MURPHY

Doctoral Fellow, Ottawa University, Canada

Mr Murphy is a SSHRC Doctoral Fellow in International Relations and Political Theory at the University of Ottawa (Canada). He is the author of over two-dozen peer-reviewed articles on political theology, quantum social theory, international political thought, critical security studies, and innovative pedagogy, available at: bit.ly/37NJmKZ. His recent book is Quantum Social Theory for Critical International Relations Theorists: Quantizing Critique (Palgrave Macmillan, 2021).

DR. SUDIP PATRA

Assistant Professor and Founding Member, CEASP

Sudip Patra is an Assistant Professor of Economics, Jindal Global Business School, O. P. Jindal Global University. He had received his Ph.D. from Glasgow University, Scotland. His research passion lies in the emerging field of quantum like modeling in decision theory, applied to social sciences like economics, which is a novel interface between mathematical formalism of quantum theory and decision theory. Dr. Patra is collaborating with noted scientists and research groups across countries. He was a visiting fellow, Aston University UK (2019), and also been invited as a speaker in many conferences like, TES2021 conference Cheng Mai University, Thailand, IIT Bombay (2018).

DR. THOMAS HANCOCK

Research Fellow, Leeds University, UK

Dr Thomas Hancock is a Research Fellow at the Institute for Transport Studies (ITS). His main areas of interest are choice modelling, behavioural economics and mathematical psychology. His research involves bridging the gap between these disciplines and his work thus far has looked extensively into the use of Decision Field Theory and ideas from quantum cognition in choice modelling. Thomas completed his PhD titled "Travel behaviour modelling at the interface between econometrics and mathematical psychology" in June 2019 at ITS.

PROF. (DR.) ANIRBAN CHAKRABORTI

Professor, Jawaharlal Nehru University, Founding Member, CEASP

Anirban Chakraborti is a Professor at the School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi. Earlier, he had worked as an Associate Professor at the Chair of Quantitative Finance, École Centrale Paris, France, and as a Lecturer in Theoretical Physics, Banaras Hindu University, Varanasi. He obtained a Ph.D. in Physics from Saha Institute of Nuclear Physics, India and later completed the Habilitation (HDR) in Physics from Université Pierre et Marie Curie (Paris VI), France. He has more than two decades of experience as a scientist, working in many reputed universities and research institutions in India, Europe, Japan, and USA. His main research interests lie in the areas of Econophysics, Sociophysics, Data Science, Complex Systems, Statistical Physics, Quantum Physics and Nanomaterial Science.