Utsav Sadana Postdoctoral Fellow Desautels Faculty of Management, McGill University	Scholar	
Academic History		
HEC Montréal, Canada Ph.D., Management Science Advisor: Prof. Georges Zaccour	Aug. 2017 – May 2	2021
University of Illinois at Urbana-Champaign (UIUC), USA Visiting Ph.D. student at Coordinated Science Lab Hosted by Prof. Tamer Başar	Sep. 2019 – Feb. 2	2020
Indian Institute of Technology Kanpur, India B.Tech in Materials Science and Engineering (Passed with Distinction) M.S., Economics	Jul. 2012 – May 2	2017
Work Experience		
McGill University, Montréal Canada Postdoctoral Fellow Mentors: Prof. Mehmet Gumus & Prof. Erick Delage	May 2021 – Pre	esent
ORT France, Paris Research Intern Mentor: Dr. Michel Rudnianski	Summer~2	2015
Publications		
Preprints		
4. Feedback Nash Equilibria in Differential games with Impulse Control. U. Sadana, P.V. Reddy and G. Zaccour. arXiv:2106.10706, 2021.	' P	'aper
3. Sampled-data Nash equilibria in differential games with impulse control U. Sadana, P.V. Reddy, T. Başar and G. Zaccour. Technical report, Les Cahiers du GERAD G-2020-81, GERAD, HEC Montréal, C.	_	'aper
 The value of randomized strategies in distributionally robust risk avers games. U. Sadana and E. Delage. 	_	
Technical report, Les Cahiers du GERAD G-2020-20, GERAD, HEC Montréal, C 1. Open-loop and feedback Nash equilibria in scalar linear-state differenti	•	•

Journal Paper

control.

1. Nash equilibria in nonzero-sum differential games with impulse control.

U. Sadana, P.V. Reddy and G. Zaccour.

U. Sadana, P.V. Reddy and G. Zaccour.

European Journal of Operational Research, 295(2), 792-805, 2021.

Z Paper

Z Paper

Technical report, Les Cahiers du GERAD G-2020-19, GERAD, HEC Montréal, Canada, 2020.

Book Chapter

1. Bayesian Networks and Games of Deterrence.

M. Rudnianski, U. Sadana, and H. Bestougeff.

In Petrosyan, L. A. and Mazalov, V. V., editors, Recent Advances in Game Theory and Applications: European Meeting on Game Theory, Saint Petersburg, Russia, 2015, and Networking Games and Management, Petrozavodsk, Russia, 2015 (pp. 201–224). Cham, Switzerland: Springer, 2016.

Selected Awards and Honors _____

• GERAD Postdoctoral Fellowship.	2021-2022
• FRQNT Postdoctoral research scholarship (B3X).	2021 - 2023

- PBEEE Quebec-India PhD Research Scholarship. Awarded to 3 Indian Ph.D. students. 2019 2021
- FRQNT Doctoral Research Award (B2X). Ranked 1 among 10 selected for this award. 2019 2022
- FRQNT International Internship scholarship for a 6-month internship at UIUC, Illinois.
- J.A. DeSève Excellence Scholarship, HEC Montréal. Awarded to 1 Ph.D. student every year. 2018
- J.A. DeSève Admission Scholarship, HEC Montréal Foundation. 2017 2021
- Admission Scholarship, Chair of Game Theory and Management, GERAD & HEC Montréal. 2017 2021
- Graduate Research Award (MHRD, India) to pursue Masters at IIT Kanpur. 2016
- Merit-cum-Means Scholarship, IIT Kanpur. 2013, 2014, 2015
- Summer Research Scholarship, ORT France, Paris. 2015
- Secured 3^{rd} position amongst 90 teams in Manthan National Youth Competition, India. 2013

Talks

- Nash equilibria in nonzero-sum differential games with impulse control.
 - Virtual Informal Systems Seminar, McGill and GERAD Oct. 2020
 - Workshop on Differential Games, Stony Brook Center for Game Theory, NY, USA. 🗹 video Jul. 2020
 - Optimization Days, Montréal, Canada, May 2019
 - 11th Workshop on Dynamic Games in Management Science, Montréal, Canada Oct. 2019
- The value of randomized strategies in distributionally robust risk averse network interdiction problems
 - Canadian Operational Research Society (CORS) Annual Conference (virtual)

 Jun. 2021

 - CRC-DMU Seminar Series (virtual)

 Jun. 2020

Academic Service

- Co-organizer of the online seminar series Dynamic Games and Applications
- Reviewer for Operations Research Letters, The IEEE Control System Letters, and IEEE Transactions on Systems, Man, and Cybernetics: Systems
- Session assistant for an Information Theory session at Allerton Control Conference, 2019

Social Initiatives & Mentorship _____

Workshop, Mathematics and Statistics Help Center, HEC Montréal

Apr. 2019 – May 2019

• Prepared content (lecture notes, handouts, and slides that covered basics of linear algebra and probability theory) for conducting a workshop to help the incoming Master's students, in the field of economics, finance, and quantitative methods in management.

Inclusive Development of Informal Sector Workers

May 2013 - Oct. 2013

Team Project, Citizens for Accountable Governance (CAG)

• Proposed structural layout for registration and grievance redressal of Informal Sector workers.