Utsav Sadana

CONTACT INFORMATION	PhD Student, HEC Montréal 5425 Avenue Decelles, Apt. 20 Montréal H3T 1W3, Quebec, Canada	Email: utsav.sadana@hec.ca Phone: +1 514 814 7508 Webpage: https://utsav19.github.io/

RESEARCH INTERESTS

Theory: Optimal Control, Game Theory, Robust Optimization
Applications: Security, Regulations, Pricing

EDUCATION

HEC Montréal, Canada
PhD in Management Science   Fall 2017 - Present
Advised by Prof. Georges Zaccour
CGPA: 4.15/4.30

Indian Institute of Technology (IIT) Kanpur, India
BT-MS Dual Degree   Fall 2012 - Spring 2017
MS in Economics
Advised by Dr. Debayan Pakrashi
CGPA: 9.2/10
BTech. in Materials Science and Engineering
Passed with Distinction, CGPA: 8.5/10

CONFERENCE PRESENTATION

Rudnianski, M., **Sadana, U.**, and Bestougeff, H. (July, 2015). Bayesian Networks and Games of Deterrence. Paper presented at the *European Meeting on Game Theory, and Game Theory and Management SING11-GTM2015*, Saint Petersburg, Russia.

BOOK CHAPTER

Rudnianski, M., **Sadana, U.**, and Bestougeff, H. (2016). Bayesian Networks and Games of Deterrence. 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 International Publishing.

INDUSTRY EXPERIENCE

Summer Intern at ORT France, Paris   Summer 2015
Research Internship with Prof. Michel Rudnianski
- Developed inference schemes for the Europian Commission FP7 research project <u>LEILA</u> and contributed to its deliverable D3.4, thereby providing a novel and tractable framework of inference for intelligence analysts. The technical report can be found <u>here</u>.

AWARDS AND ACHIEVEMENTS

- J.A. DeSève Admission Scholarship, Fondation HEC Montréal (10,000$/year)   2017-2021
- Research Scholarship, Prof. Georges Zaccour, GERAD, Montréal (10,000$/year)   2017-2021
- Graduate Research Award, MHRD, Govt. of India (INR 150,000)   2016-2017
- Merit-cum-Means Scholarship, IIT Kanpur, India (INR 60,000/year)   2013-2015
- 2-month Research Grant, ORT France, Paris (€2200)   2015

RESEARCH IN PROGRESS

"Randomization in a distributionally robust game with risk averse agents" with Dr. Erick Delage.
"A dynamic game to study occasional interventions" with Professor Georges Zaccour.

TECHNICAL SKILLS

- **Programming Languages** Matlab, C, Python, Octave
- **Other Tools** LaTeX, Stata, GTAP, Yalmip, Microsoft Office