Utsav Sadana

CONTACT INFORMATION

PhD Student
Department of Decision Sciences
GERAD, HEC Montréal

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RESEARCH INTERESTS

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

EDUCATION

HEC Montréal, Canada

Ph.D., Management Science, August 2017–Present
- GPA: 4.15 (4.3 scale)
- Thesis Topic: *Essays on Impulse Control Dynamic Games*
- Adviser: Professor Georges Zaccour, Chair in Game Theory and Management, HEC Montréal

Indian Institute of Technology (IIT) Kanpur, India

BT-MS Dual Degree, May 2017

M.S., Economics
- GPA: 9.2 (10 scale)
- Thesis Topic: *Empirical Analysis of Corruption in the Judiciary of Bangladesh*
- Adviser: Dr. Debayan Pakrashi

B.Tech., Materials Science and Engineering
- GPA: 8.5 (10 scale)
- Passed with Distinction

CONFERENCE PRESENTATION

European Meeting on Game Theory, and Game Theory and Management SING11-GTM2015 (Saint Petersburg, Russia, July 2015)

BOOK CHAPTER

M. Rudnianski, **U. Sadana**, and H. Bestougeff (2016). Bayesian Networks and Games of Deterrence. In L.A. Petrosyan and V.V. Mazalov, 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*, pages 201–224. Springer International Publishing, Cham.

WORK IN PROGRESS

"Can Randomization help in reducing the worst case Conditional Value at Risk (CVaR) in a Distributionally Robust game?" with Dr. *Erick Delage*, Canada Research Chair in Decision Making under Uncertainty
"Are regulatory decisions impulsive" with *Professor Georges Zaccour*

AWARDS AND ACHIEVEMENTS

- J.A. DeSève Admission Scholarship, HEC Montréal (10,000$/ year) *2017-2021*
- Research Grant, GERAD, Montréal (10,000$/year) *2017-2021*
- Graduate Research Award, MHRD, 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 (€2500) *2015*
- Secured 3rd position amongst 90 teams in Manthan National Youth Competition *2013*
- Ranked in the top 0.8 percent among 1.2 million applicants in AIEEE *2012*

WORK EXPERIENCE	**Summer Intern at ORT France, Paris, France**	*April 2015 - July 2015*

WORK
EXPERIENCE

Summer Intern at ORT France, Paris, France   *April 2015 - July 2015*

Innovation and Development

- Developed inference schemes for the EU-FP7 research project LEILA and contributed to the deliverable D3.4, thereby providing a novel and tractable framework of inference for intelligence analysts . The technical report can be found here

SOCIALLY
RELEVANT
PROJECT

Inclusive Development of Informal Sector Workers   *May 2013 - November 2013*

Citizens for Accountable Governance (CAG)

- Rigorously assessed the prevalent social welfare schemes in terms of their reach, effectiveness and expenditure; and performed stakeholder analysis for upliftment of unorganized labor in India
- Proposed structural layout for registration and grievance redressal of Informal Sector workers. The presentation can be found here

TECHNICAL
SKILLS

- **Programming Languages** MATLAB, C, STATA, Python, Octave
- **Other Tools** LaTeX, YALMIP, Microsoft Office

POSITIONS OF
RESPONSIBILITY

Student Guide   *July 2013 - April 2014*

Counselling Service, IIT Kanpur

- Mentored and guided 6 freshmen in adjusting to the academic, cultural, and social life of the campus.

Editorial Board Member   *July 2013 - April 2014*

Nirvaak, Campus Newsletter, IIT Kanpur

- Collaborated with a team of 10 students and spearheaded the publishing of the first campus newsletter, *Nirvaak,* that addresses the critical sociopolitical issues faced by the campus community

REFERENCES

Professor Georges Zaccour
Chair in Game Theory and Management
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