

Vijay Kamble

CONTACT INFORMATION	kamble@uic.edu 510-666-5376 https://sites.google.com/site/vijaysukumarkamble
RESEARCH INTERESTS	Design and analysis of service platforms and online labor markets, applications of reinforcement learning in operations management.
CURRENT EMPLOYMENT	University of Illinois at Chicago, Chicago, IL Assistant Professor of Operations Management (Aug 2017 - Present) Dept. of Information and Decision Sciences College of Business Administration
PAST EMPLOYMENT	Stanford University, Stanford, CA Postdoctoral Researcher, Society and Algorithms Lab (Oct 2015 - Jun 2017) Dept. of Management Science and Engineering
EDUCATION	University of California, Berkeley, Berkeley, CA PhD in Electrical Engineering and Computer Sciences (Dec 2015) Indian Institute of Technology - Kharagpur, India B.Tech and M.Tech in Industrial and Systems Engineering (July 2010)
RESEARCH INTERSHIPS	Technicolor Labs, Palo Alto, CA (Jul - Dec 2012) INRIA - Sophia Antipolis, France (May - Jul 2008, May - Jul 2009)
WORKING PAPERS	Matching while Learning With Ramesh Johari and Yash Kanoria Submitted (Preliminary version presented at the ACM Conference on Economics and Computation (EC), 2017). Iterative Local Voting for Collective Decision-making in Continuous Spaces With Nikhil Garg, David Marn, Ashish Goel and Kamesh Munagala Submitted (Preliminary version presented at the International World Wide Web Conference (WWW), 2017). Truth Serums for Massively Crowdsourced Evaluation Tasks With David Marn, Nihar Shah, Abhay Parekh and Kannan Ramachandran Submitted (Preliminary results presented at Social Computing and User Generated Content workshop (SCUGC), 2015). Repeated Games with Vector payoffs: A Set-valued Dynamic Programming Approach With Patrick Loiseau and Jean Walrand Revise and Resubmit (2017) in Mathematics of Operations Research.

Network Formation of Coalition Loyalty Programs

With Arpit Goel, Siddhartha Banerjee and Ashish Goel
Workshop on the Economics of Networks, Systems and Computation (Netecon), 2016.

Approximately Optimal Scheduling of an M/G/1 Queue with Heavy Tails

With Jean Walrand
Queueing Systems, 2015.

Whitespaces after the USA's TV Incentive Auction: A Spectrum Reallocation Case-study

With Vidya Muthukumar, Angel Daruna, Kate Harrison and Anant Sahai
IEEE International Conference on Communications (ICC), 2015.

Sequential Relevance Maximization with Binary Feedback

With Nadia Fawaz and Fernando Silveira
NIPS Workshop on Personalization: Theory and Applications, 2014.

Strategyproof Mechanisms for Purchasing a Shared Resource

With Jean Walrand
Netecon, 2014.

The Price of Insecurity: Public Information Transmission in Zero-sum Games

With Jean Walrand
Allerton Conference on Communication, Control, and Computing, 2012.

Evolutionary Forwarding Games in Delay Tolerant Networks

With Rachid El-Azouzi, Francesco De Pellegrini and Habib Sidi
Computer Networks, 2012.

Risk-sensitive Optimal Control Framework Applied to Delay Tolerant Networks

With Eitan Altman, Veeraruna Kavitha, Francesco De Pellegrini, and Vivek Borkar
IEEE International Conference on Computer Communications (Infocom), 2011.

A Theoretical Framework for Hierarchical Routing Games

With Eitan Altman, Rachid El-Azouzi, and Vinod Sharma
IEEE Infocom, 2010.

Stochastic Games with One-step-delay sharing Information Pattern with Application to Power Control

With Eitan Altman and Alonso Silva
International Conference on Game Theory for Networks (GameNets), 2009.

Convergence of Population Dynamics in Symmetric Routing Games with a Finite Number of Players

With Eitan Altman and Vivek Borkar
GameNets, 2009.

A Braess Type Paradox in Power Control over Interference Channels

With Eitan Altman and Hisao Kameda
International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt), 2008.

HONORS **All India Rank 1** in the area of Industrial and Systems Engineering in the Graduate Aptitude Test in Engineering (GATE 2009), for admission to graduate programs in Indian universities.

TEACHING EXPERIENCE **Instructor**

IDS594 - Managing Service Operations and Online Markets (CBA, UIC) (Fall 2017)
 EE290Q - Topics in Network Economics (EECS, UC Berkeley) (Fall 2013)

Teaching Assistant

EE126 - Probability and Random Processes (EECS, UC Berkeley) (Spring 2013)
 EE226 - Random Processes in Systems (EECS, UC Berkeley) (Fall 2012)

SERVICE AND LEADERSHIP Conference Reviewer for Symposium on Discrete Algorithms (SODA), Netecon, Conference on Web and Internet Economics (WINE).

Journal Reviewer for Theory and Decision, Automatica, IEEE Transactions on Networking, IEEE Transactions on Mobile Computing, IEEE Transactions on Internet Technology.

Seminar organizer for Netecon seminar at UC Berkeley (Jan 2011 - Sept 2015), RAIN seminar at Stanford (Oct 2015 - Present), Social Algorithms Group Seminar at Stanford (Oct 2015 - Present).

Peer at EECSPeers UC Berkeley, which is a peer-support community that operates in close collaboration with the Berkeley Counseling and Psychological Services Center.

Elected General Secretary - Social and Cultural at IIT Kharagpur (Aug 2007 - Aug 2008). Responsible for organizing all the social and cultural events in the university for the academic year, and also acting as the executive head of the annual cultural festival 'Spring Fest'.